



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

HISTORIC USE PRODUCTION PERMIT

THIS CERTIFIES THAT: Ross Water Supply Corporation
P.O. Box 202
Ross, Texas 76640
Phone: 254-829-1289

(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: **256.4577 Acre-Feet (83,567,000 Gallons) 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Groundwater may only be withdrawn from the aquifer from a well(s) located at each of the location(s) and with a maximum rate of withdrawal(s) (flow rate) as follows: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</u> |
|-------------|--------------------------------------|--------------------------|
| Well # 1 | N31D 43M 05S / W97D 07M 09S | 125 gpm |
| Well # 2 | N31D 43M 47S / W97D 05M 59S | 190 gpm |
| Well # 3 | N31D 42M 53S / W97D 07M 04S | 380 gpm |

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7 Measurement of Amount of Groundwater Withdrawn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.

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 11268, 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

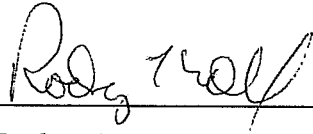
Any reference in this permit to a statute, rule, or other law of any kind, that exists on the date of issuance of the permit includes all subsequent amendments and additions thereto.

27 Other Matters Denied

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

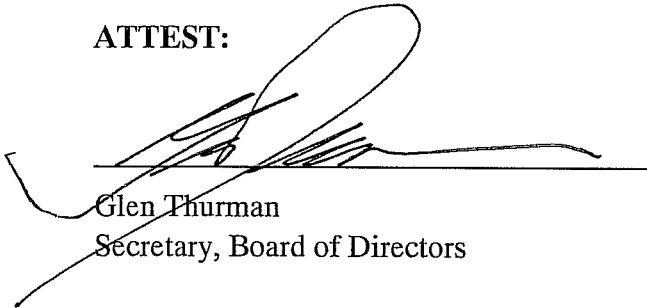
**SOUTHERN TRINITY GROUNDWATER CONSERVATION DISTRICT
COUNTY OF MCLENNAN, STATE OF TEXAS**

THIS PERMIT IS ISSUED, EXECUTED THIS 5 day of August, 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)

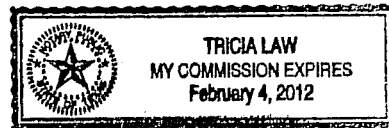
ON BEHALF OF THE DISTRICT, THIS PERMIT WAS ACKNOWLEDGED before me on August 5, 2010, by Rodney Kroll, President, Board of Directors, Southern Trinity Groundwater Conservation District, a groundwater conservation district created pursuant to Article XVI, Section 59, Texas Constitution.



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

August 06, 2010 01:03:59 PM

2010024367

FEE: \$27.00

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

R 55 WSC

AFFIDAVIT

THE STATE OF TEXAS

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§
§

COUNTY OF MCLENNAN

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

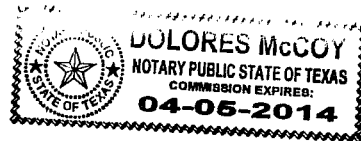
“My name is William C Kilgo. I am over 18 years of age, competent to make this affidavit, and am familiar with the facts herein stated and believe them to be true.

I have 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.”

William C. Kilgo
Affiant

Sworn to and subscribed before me on this 28 day of July, 2010.

Dolores McCoy
Notary Public in and for the State of Texas



**NOTICE OF PROPOSED HISTORIC USE PRODUCTION PERMITS
AND PUBLIC HEARING**

The Southern Trinity Groundwater Conservation District ("District") proposes action on applications for Historic Use Production Permits ("HUPPs"), which would authorize the permittees to withdraw groundwater from the Trinity Aquifer according to the terms and conditions set forth in the permits. A copy of the general manager's proposed action, the proposed HUPPs and technical summaries are available for public inspection at the District's offices at 420 North 6th Street, Waco, Texas during regular business hours.

The District will conduct a public hearing pursuant to its authority under Chapter 8821 of the Texas Special District Local Laws Code, Chapter 36 of the Texas Water Code and the District's rules, to consider issuance of the proposed HUPPs and to provide interested members of the public the opportunity to appear and provide oral or written comments to the District regarding the proposed permits at the following date, time and place:

Date: Thursday, August 5, 2010
Time: 9:00 a.m.
Location: City of Woodway, City Council Chambers
922 Estates Drive
Woodway, Texas

HUPPs are proposed to be granted to the following entities as follows:

Spring Valley Water Supply Corporation, P.O. Box 399, Lorena, Texas, 76655 filed an application on 4/12/2010. The proposed HUPP has a maximum annual withdrawal of 62.5930 Acre-Feet (20,396,000 Gallons) for municipal use pumped from wells located at the following latitude/longitude (NAD83):N31D 39M 052S / W97D 30M 79S, N31D 41M 100S / W97D 25M 89S.

M.S. Water Supply Corporation, 510 N Memorial St., Riesel, Texas, 76682 filed an application on 4/14/2010. The proposed HUPP has a maximum annual withdrawal of 23.3051 Acre-Feet (7,594,000 Gallons) for municipal use pumped from wells located at the following latitude/longitude (NAD83):N31D 44.591/W097D 15.530.

Levi Water Supply Corporation, 2757 Rosenthal Pkwy, Lorena, Texas, 76655 filed an application on 4/16/2010. The proposed HUPP has a maximum annual withdrawal of 204.0709 Acre-Feet (66,496,700 Gallons) for municipal use pumped from wells located at the following latitude/longitude (NAD83):N31D 23M 19S / W97D 6M 51S, N31D 23M 33S / W97D 09M 44S, N31D 23M 21S / W97D 10M 24S.

City of Bruceville-Eddy, 143 Wilcox Dr., Eddy, Texas, 76524 filed an application on 4/26/2010. The proposed HUPP has a maximum annual withdrawal of 348.2604 Acre-Feet (113,481,000 Gallons) for municipal use pumped from wells located at the following latitude/longitude (NAD83):N31D 22M 2S / W97D 13M 29S, N31D 22M 2S / W97D 13M 28S, N31D 19M 2S / W97D 18M 22S, N31D 17M 47S / W97D 15M 13S.

Leroy-Tours-Gerald Water Supply Corporation, 312 W. Commerce, Leroy, Texas, 76654 filed an application on 4/29/2010. The proposed HUPP has a maximum annual withdrawal of 167.0067 Acre-Feet (54,419,300 Gallons) for municipal use pumped from

wells located at the following latitude/longitude (NAD83):N31D 43.851/W097 01.177, N31D 44M 13S / W97D 02M 33S, N31D 42M 27S / W97D 04M 11S.

City of Bellmead, 3015 Bellmead Dr., Bellmead, Texas, 76705 filed an application on 4/30/2010. The proposed HUPP has a maximum annual withdrawal of 1476.9910 Acre-Feet (481,279,000 Gallons) for municipal use pumped from wells located at the following latitude/longitude (NAD83):N31D 35M 45S / W97D 5 M 48S, N31D 36M 8S / W97D 05M 10S, N31D 37M 8S / W97D 05M 32S, N31D 35M 35S / W97D 06M 26S.

Pure Water Supply Corporation, P.O. Box 154414, Waco, Texas, 76715 filed an application on 4/30/2010. The proposed HUPP has a maximum annual withdrawal of 84.4251 Acre-Feet (27,510,000 Gallons) for municipal use pumped from wells located at the following latitude/longitude (NAD83):N31D 40.058/W097D 04.981, N31D 39.689/W097D 03.536.

City of Moody, 606 Ave. E., Moody, Texas, 76557 filed an application on 4/30/2010. The proposed HUPP has a maximum annual withdrawal of 61.5005 Acre-Feet (20,040,000 Gallons) for municipal use pumped from wells located at the following latitude/longitude (NAD83):N31D 18M 47S / W97D 21M 454S, N31D 18M 278S / W97D 21M 518S.

Ross Water Supply Corporation, P.O. Box 202, Ross, Texas, 76640 filed an application on 4/30/2010. The proposed HUPP has a maximum annual withdrawal of 256.4577 Acre-Feet (83,567,000 Gallons) for municipal use pumped from wells located at the following latitude/longitude (NAD83):N31D 43M 05S / W97D 07M 09S, N31D 43M 47S / W97D 05M 59S, N31D 42M 53S / W97D 07M 04S.

McLennan County WCID No. 2, P.O. Box 116, Elm Mott, Texas, 76640 filed an application on 5/3/2010. The proposed HUPP has a maximum annual withdrawal of 258.7532 Acre-Feet (84,315,000 Gallons) for municipal use pumped from wells located at the following latitude/longitude (NAD83):N31D 39M 75S / W97D 06M 26S, N31D 40M 43S / W97D 05M 36S, N31D 40M 50S / W97D 06M 32S.

EOL Water Supply Corporation, 9226 Elk Road, Axtell, Texas, 76624 filed an application on 5/3/2010. The proposed HUPP has a maximum annual withdrawal of 214.7877 Acre-Feet (69,988,800 Gallons) for municipal use pumped from wells located at the following latitude/longitude (NAD83):N31D 35M 18S / W96D 59M 08S, N31D 36M 55S / W96D 56M 13S, N31D 35M 36S / W96D 58M 28S.

Elm Creek Water Supply Corporation, P.O. Box 538, Moody, Texas, 76557 filed an application on 5/3/2010. The proposed HUPP has a maximum annual withdrawal of 225.3186 Acre-Feet (73,420,300 Gallons) for municipal use pumped from wells located at the following latitude/longitude (NAD83):N31D 17M 18S / W97D 18M 44S, N31D 19M 17S / W97D 23M 17S, N31D 15M 24S / W97D 47M 17S.

Patrick Water Supply Corporation, 245 Goldman Lane, Waco, Texas, 76708 filed an application on 5/3/2010. The proposed HUPP has a maximum annual withdrawal of 52.5578 Acre-Feet (17,126,000 Gallons) for municipal use pumped from wells located at the following latitude/longitude (NAD83):N31D 41M 09S / W97D 14M 78S.

Gholson Water Supply Corporation, 12520 Gholson Rd., Waco, Texas, 76705 filed an application on 5/3/2010. The proposed HUPP has a maximum annual withdrawal of 270.0348 Acre-Feet (87,991,100 Gallons) for municipal use pumped from wells located at the following latitude/longitude (NAD83):N31D .44.417./ W097D 15.223, N31D

43.851/ W097D 14.632, N31D 44.591/ W097D 15.530.

Hog Creek Water Supply Corporation, 147 Hsih Prairie Rd., Valley Mills, Texas, 76689 filed an application on 4/30/2010. The proposed HUPP has a maximum annual withdrawal of 81.5047 Acre-Feet (26,558,400 Gallons) for municipal use pumped from wells located at the following latitude/longitude (NAD83):N31D 36.880/W097D 31.806, N31D 29.799/W096D 58.105.

City of West, 110 N Reagan St., West, Texas, 76691 filed an application on 3/10/2010. The proposed HUPP has a maximum annual withdrawal of 465.3691 Acre-Feet (151,641,000 Gallons) for municipal use pumped from wells located at the following latitude/longitude (NAD83):N31D 48M 58S / W97D 05M 33S.

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 August 2, 2010 at 9:00 a.m. 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.

ISSUED THIS 16th DAY OF July 2010.

Tricia K. Law, General Manager
Southern Trinity Groundwater Conservation District

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: Ross Water Supply Corporation | | |
| Physical Address: 1527 Ross Rd | | |
| City: Elm Mott | State: TX | Zip Code: 76640 |
| Mailing Address, (if different): PO Box 202 | | |
| City: Ross | State: TX | Zip Code: 76684-0202 |
| Daytime Telephone Number: Fax: 254-829-1289 | | |
| Email Address (if any): rosswsc@gmail.com | | |
| 2. Name of Authorized Agent (if any): William C. Kilgo | | |
| Position: Manager/Operator | | |
| Physical Address: 1527 Ross Rd | | |
| City: Elm Mott | State: TX | Zip Code: 76640 |
| Mailing Address (if different): PO Box 202 | | |
| City: Ross | State: TX | Zip Code: 76684-0202 |
| Daytime Telephone Numbers of Authorized Agent: 254-829-1289 Fax: 254-829-1289 | | |
| Email for Authorized Agent (if any): rosswsc@gmail.com | | |
| Date Application Received: <u>APR 30 2010</u> Date Admin. Fee Received: <u>APR 30 2010</u> Amount of Fee: <u>1000.00</u> | | |

RECEIVED
 District Use Only
 APR 30 2010
 BY: [Signature]

RECEIVED
 APR 30 2010
 BY: [Signature]

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.
 N/A

8. Completely describe the place of use of groundwater withdrawn from the well:
 Distribution system for residential and commercial use.

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: 790

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: 83567000

Units: gal

Year:2006

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: 64745000 Units: gal

2008 Amount: 68605000 Units: gal

2007 Amount: 61150000 Units: gal

2006 Amount: 83567000 Units: gal

2005 Amount: 74359000 Units: gal

2004 Amount: 58698000 Units: gal

2003 Amount: 64552000 Units: gal

2002 Amount: 60654000 Units: gal

2001 Amount: 66520000 Units: gal

2000 Amount: 67173000 Units: gal

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: William C. Kilgo

Date: 4-20-2010

Printed Name: WILLIAM C. KILGO

Title: MANAGER / OPERATOR

† 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 §

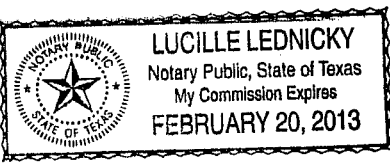
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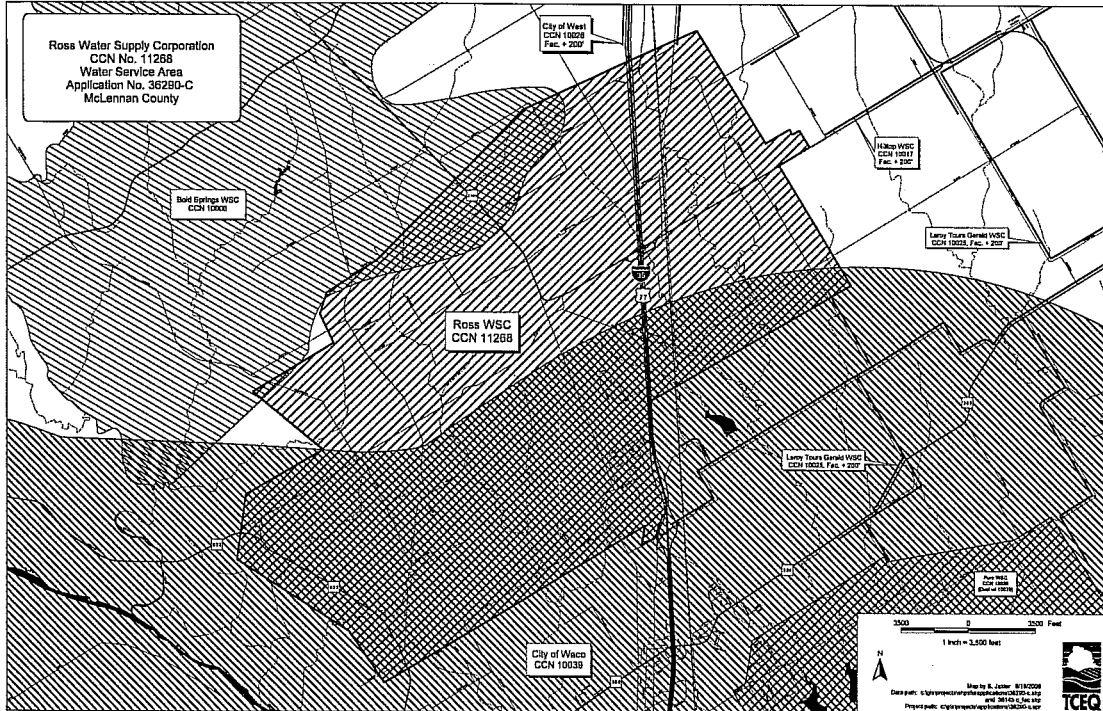
COUNTY OF McLennan §

BEFORE ME, a notary public, on this day personally appeared: William C. Kilgo
_____ 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 20th day of April, 2010.

Lucille Lednicky
Notary Signature





ROSS WATER SUPPLY
P.O. BOX 202 PH. 254-829-1289
ROSS, TX 76684-0202

DATE Apr 30, 2010 88-515/1119
0843508

Paid to the order of Southern Trinity G.C.D. \$ 1,000.00
One thousand & 00/100 **DOLLARS**

 **The State National Bank**
IN WEST
WEST, TEXAS 76691

FOR application fee
⑈006649⑈ ⑆111905159⑆

Richard Jacks **RP**
David Allen
08 4350 8⑈

RECEIPT

| | | | |
|---------------|----------------------------------|--|---|
| DATE | <u>4/30/10</u> | No. | <u>248731</u> |
| RECEIVED FROM | <u>Ross WSC</u> | <u>\$1000.00</u> | |
| | <u>One thousand & 00/100</u> | DOLLARS | |
| FOR RENT | <u>HAPP-2010-038</u> | | |
| FOR | | | |
| ACCOUNT | | <input type="radio"/> CASH <input type="radio"/> MONEY ORDER <input checked="" type="radio"/> CHECK <input type="radio"/> CREDIT CARD | FROM # <u>12649</u> TO _____ BY <u>[Signature]</u> |
| PAYMENT | | | |
| BAL. DUE | | | |

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

| | | | |
|--|------------|--|------------------|
| 1. Applicant Name: Ross Water Supply Corporation | | | |
| 2. Well Identifier or Well Name: Well #1 | | | |
| 3. System Name: Ross Water Supply Corporation | | | |
| 4. TCEQ System ID Number: G1550042A | | | |
| 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: 4024101 | | | |
| 7. Aquifer(s) or formations in which the well is screened: Trinity | | | |
| 8. Address of the property upon which the well is located: 1527 Ross Rd Elm Mott, TX 76640 | | | |
| 9. Well Location: | Latitude: | 31 D | 43 M 05 S |
| | Longitude: | 97 D | 07 M 09 S |
| 10. Identify any surface water, including lakes or rivers within 1,000 feet of the well: none | | | |
| 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: Reda | | | |
| 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: 5 1/2 inches | | Inside diameter of column pipe: 3 inches | |
| 16. The maximum rate at which water can be withdrawn from the well: 125 gpm | | | |
| 17. Flow Meter Make and Model: Sensus 4" | | | |
| Serial Number: 20092778 | | Meter Units: 1000 gpm | |
| Meter reading end of 2008: Amount: 337472 | | Units: 1000 gal | Date: 12/31/2008 |
| Meter reading end of 2009: Amount: 22 | | Units: 1000 gal | Date: 12/31/2009 |

Texas Water Development Board
Well Schedule

State Well No. 40 24 10 Previous Well No. 40 24 1 02 County McLennan 209

River Basin Brazos 12 Zone 3 Lat. 31 43 63 Long. 99 7 07 08

Owner's Well No. #1 Location 1/4, 1/4, Section, Block , Survey

Owner Ross Water Supply Corp. Driller H. A. Glass

Address Source/Oper. William C. Kilgo
North 1428 (829-1289 office)
Date Drilled 11 12 1959 Depth 2269 Source of Depth Datum Altitude 568 Source of Alt. Datum M
Aquifer Haston 217 HASTN Well Type User 745000

Well Const. Construction Method Rotary Casing Material Steel S

Completion Screen Material Steel S

Lift Data Pump Mfr. Type Sub S No. Stages 5

Bowls Diam. in. Setting 920 ft. Column Diam. in.

Motor Mfr. Fuel or Power Elec E Horsepower 900 airline at 890'

Yield Flow 155 GPM Pump 155 GPM Meas., Rept., Est. Date

Performance Test Date 11-12-59 Length of Test 24 hr Production 154.2 GPM

Static Level 211 ft. Pumping Level 330 ft. Drawdown 139 ft. Sp. Cap. GPM/ft.

Quality (Remarks) Temp 105°

Water Use Primary PS P Secondary Tertiary

Other Data Available Water Level C Water Quality Y Logs DE Other Data B

Date 11 12 1959 Meas. 211 . 00 by Driller

Water Levels Date Meas. 350 . 00 operator

Date Meas.

*Well In office yard A-Line Q-49
@ 890'*

Recorded By Ron Mohr Date Record Collected or Updated 08 27 1992

Remarks table with 14 rows and 12 columns. Most cells are empty.

| | Casing or Blank Pipe (C) | | Well Screen or Slotted Zone (S) | | Open Hole (O) | |
|----|--------------------------|---------------------|---------------------------------|---------------------|---------------|----|
| | Diam. (in.) | Setting (feet) From | Diam. (in.) | Setting (feet) From | To | To |
| 1 | C 08 | 0 | 8 00 | | | |
| 2 | C 05 | 800 | 2 10 | | | |
| 3 | C 05 | 2 10 | 2 26 5 | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |

(20 max) Reporting Agency 01

Historical

Aquifer Well No. 40-24-101

TEXAS WATER COMMISSION

WELL SCHEDULE

Aquifer Hosston Field No. H-14(E-103) State Well No. 40-24-103
 Owner's Well No. #1 County McLennan Co.

1. Location: 1/4 1/4 Sec. Block Survey

2. Owner: Ross Water Supply Corp #1 Address: Ross, Texas
 Tenant: John King Address: Ross
 Driller: H.B. Glass Address: Rosebud

3. Elevation of 1st is 568 ft. above sea, determined by Topo Sheet

4. Drilled: Nov. 30 59; by Dug, Cable Tool, Rotary

5. Depth: Rept. 2269 ft. Meas. ft.

6. Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mgr. Turbine
 No. Stages 1, Bore Dia. in., Setting 400 ft.
 Collar Dia. in., Length Tailpipe ft.

8. Motor: Fuel elect. Make & Model EP

9. Yield: Flow 155 gpm, Meas. (Rept.) Est. ft.

10. Performance Test: Date 1-9-65 Length of Test ft. Made by ft.
 Static Level ft. Pumping Level 140 ft. Inflow ft.
 Production 135 gpm Specific Capacity gpm/ft.

11. Water Level: 211 ft. 11-12-59 1st which is ft. above surface,
FL 350 ft. 1962 LSO which is ft. below surface,
ft. rept. 19 above surface,
ft. meas. 19 below surface,
ft. rept. 19 above surface,
ft. meas. 19 below surface.

12. Use: Dom., Stock, Public Supply, Irr., Waterflooding, Observation, Not Used.

13. Quality: (Remarks on taste, odor, color, etc.)

Temp. 78, Date sampled for analysis ft. Laboratory ft.

Temp. 78, Date sampled for analysis 11-27-59 Laboratory TSNO

Temp. 105, Date sampled for analysis 9-21-73 Laboratory TSNO

14. Other data available as circled: Driller's Log, Radiactivity Log, Electric Log, H-14
 Formation Samples, Pumping Tests

15. Examined by: R.B. Smith Date 1964

Source of Data U.S.G.S. Schedule & Mr. King

16. Remarks: See U.S.G.S. 1960 Schedule

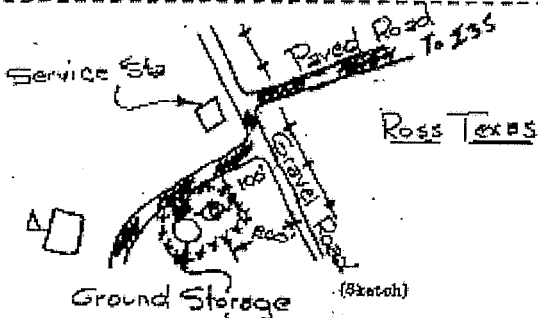
For USGS "Picks" See 4024101

Base of Glen Rose 1860

" " Hensel 1925

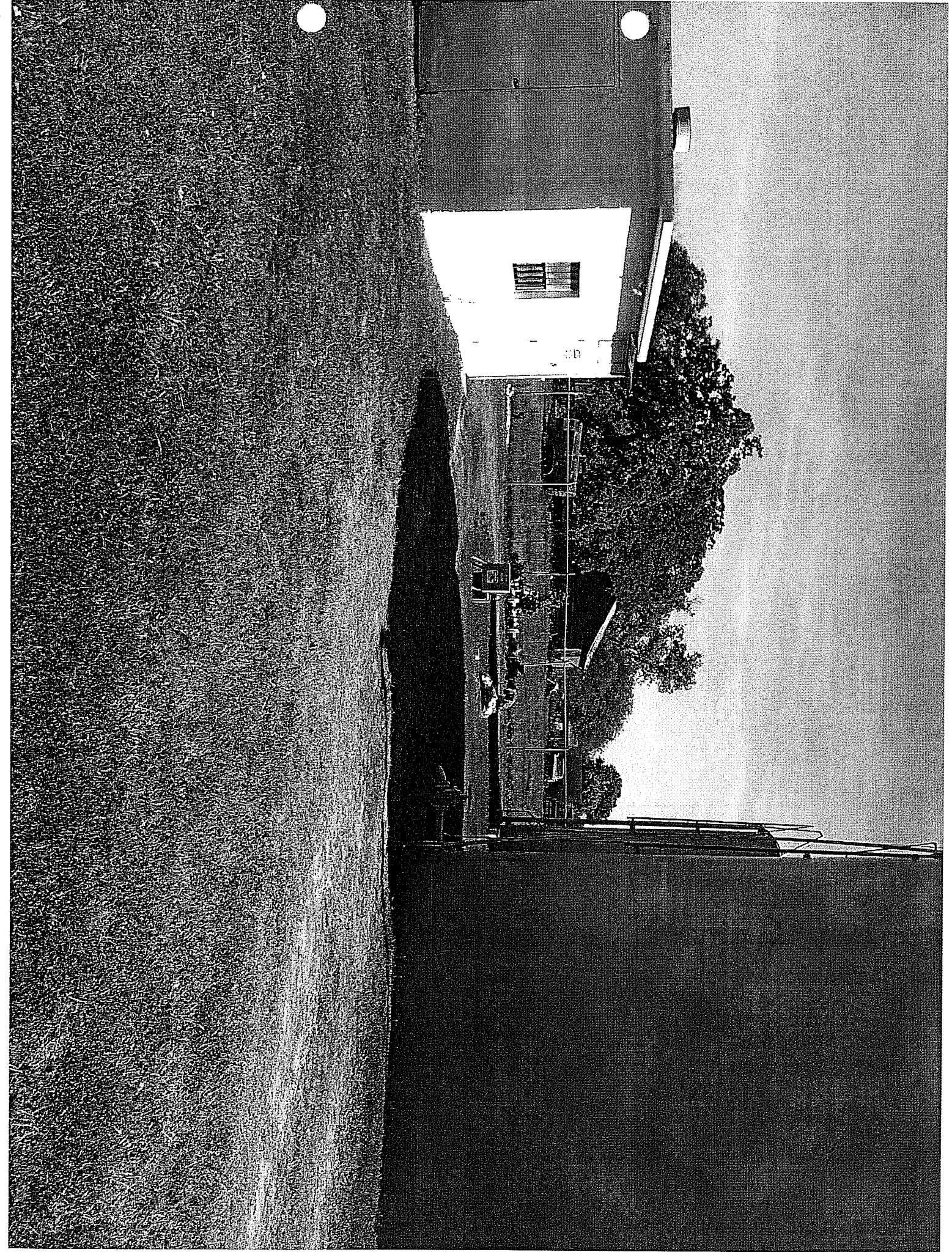
| CASING & HEAVY PIPE | | | |
|---------------------|------|--------------|-------|
| Cemented From | | ft. to | |
| Diam. (in.) | Type | Setting, ft. | |
| | | From | to |
| 8 7/8" | OD | 0 | 800' |
| 5 1/2" | OD | 800' | 2110' |

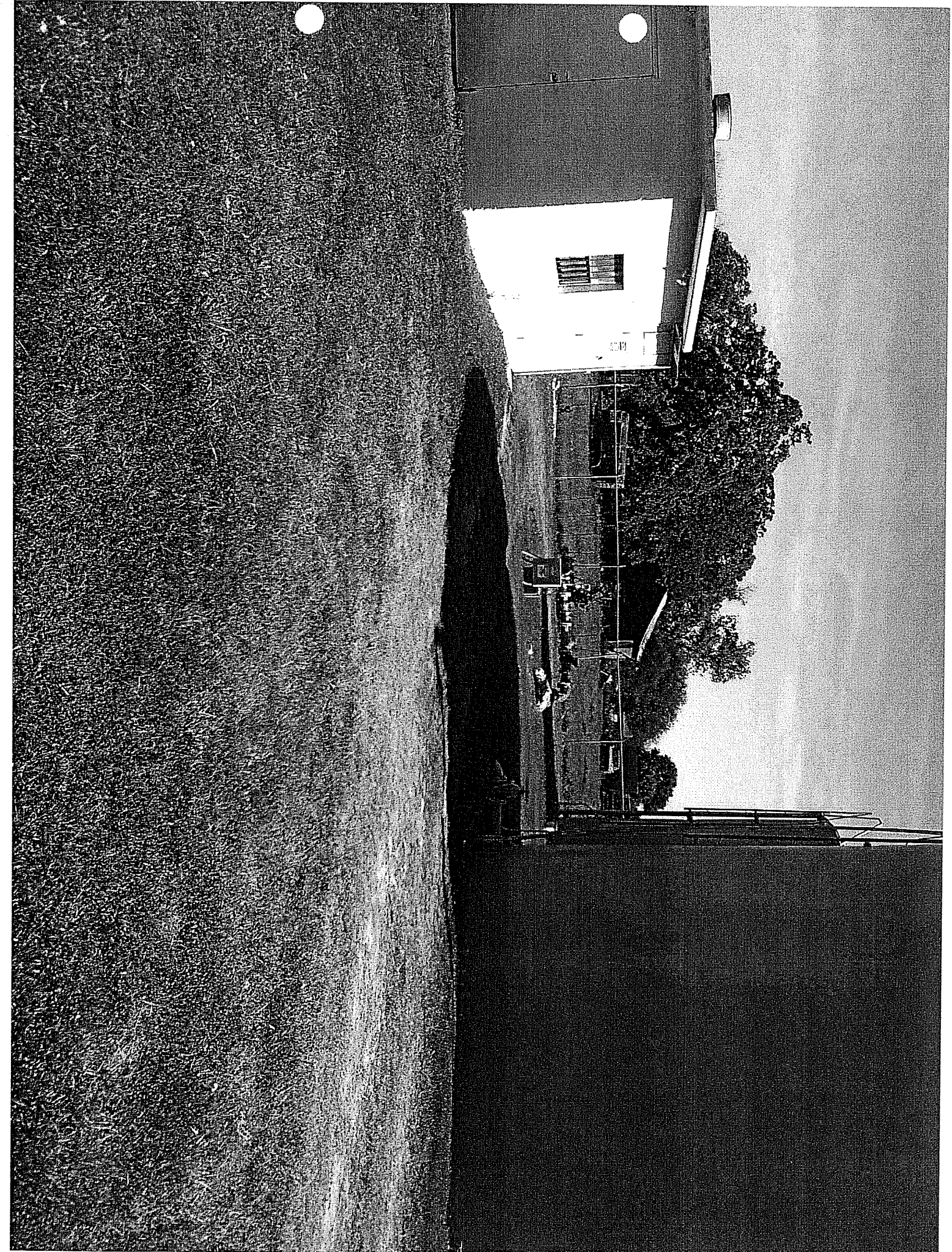
| SIZES & SETTING | | | |
|-----------------|--------|--------------|------|
| Screen Openings | | | |
| Diam. (in.) | Type | Setting, ft. | |
| | | From | to |
| 60 | Length | | |
| 5 1/2" | 155' | 2110 | 2265 |



97'00 (E) 7.05 MI
 3145 (N) 2.35 MI

Q-49
 30-1
 4024102
 101/





| | | | |
|---|-------------|-----------------------------------|-------------|
| Coarse grain sandy top soil | 0 - 13 | Brown med grained ss | 2214 - 2229 |
| Firm calcareous white shalk | 13 - 270 | with red quartz pebbles | |
| Dark, grayish-black cal. sh. | 270 - 540 | Fine med grained ss | 2229 - 2249 |
| Dark, blue-black non-cal. sh. | 540 - 632 | with coarse yellow quartz grains. | |
| Firm, white, calcareous lime | 632 - 640 | Hard, dark black sh | 2249 - 2269 |
| Soft, greenish shale | 640 - 720 | with flint & pyrite | |
| Hard, white to buff colored lime with dark sh. streaks. | 720 - 868 | | |
| Soft brown chalky shale | 868 - 875 | | |
| Hard, brownish lime | 875 - 900 | | |
| Hard white lime with black shale streaks. | 900 - 920 | | |
| Hard brownish limestone | 920 - 997 | | |
| Brown clayish limestone | 997 - 1055 | | |
| Soft, chalk white lime with dark shale streaks. | 1055 - 1100 | | |
| Hard white lime with shaly shale | 1100 - 1123 | | |
| Hard, dark gray, fossiliferous lime with black sh. streaks | 1123 - 1138 | | |
| Firm white lime with sdy stks. | 1138 - 1260 | | |
| Dark gray sandy lime | 1260 - 1324 | | |
| Hard white and pinkish lst. | 1324 - 1419 | | |
| Hard white lime with red & brown quartz grains. | 1419 - 1630 | | |
| Hard white lime with soft gray chalky streaks | 1630 - 1690 | | |
| Hard white lime | 1690 - 1805 | | |
| Hard gray fossiliferous lime | 1805 - 1838 | | |
| Firm fine grained, sandy, calcareous shale | 1838 - 1875 | | |
| Dark black sh. & sdy lime | 1875 - 1885 | | |
| Gray sdy lime with redish line streaks | 1885 - 1914 | | |
| Soft black sh with sdy lime streaks | 1914 - 1922 | | |
| Soft brown shale & soft gray lime | 1922 - 1954 | | |
| Fine gray sd with sdy black sh | 1954 - 1962 | | |
| Dark gray lime & gray sh. stks | 1962 - 2014 | | |
| Gray calcareous sh with sandy lime | 2014 - 2024 | | |
| Dark brownish-red, fine grained sandy shale | 2024 - 2034 | | |
| Fine grained, yellowish ss | 2034 - 2045 | | |
| Hard black sh with iron pyrites and white ss. | 2045 - 2069 | | |
| Dark red sh with fine grained white ss. | 2069 - 2074 | | |
| Dark red sh with fine grained yellow, brown red and white ss. | 2074 - 2094 | | |
| Firm red sh with light brown fine grained ss. | 2094 - 2099 | | |
| Light red sh with light brown fine grained ss. | 2099 - 2104 | | |
| Hard red sh with soft green sh & fine grained green ss. | 2104 - 2109 | | |
| Med. to coarse grained brown to tan ss. | 2109 - 2204 | | |
| Dark brown ss with soft sh. & white lime | 2204 - 2214 | | |

10K
40-24-102

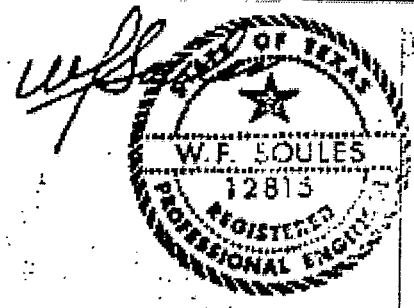
Chem. Analysis, 11-27-59
 Ca - 3 CO₂ - 7
 Mg - 1 HCO₃ - 426
 Na - 224 SO₄ - 84
 Fe - 0.64 Cl - 46
 Mn - 1.05 F - 0.8
 NO₃ - 10.4
 pH - 8.6 Hardness - 11
 TDS - 576 Sp. C. @ 25°C - 960

WATER WELL TEST

Pump: 18 stage O R H Byron Jackson, 380 feet 6" x 3 1/2" x 1 11/16"
 column, 140 G K U Waukesha engine, 3 1/2" orifice on 6" standard
 steel pipe, 6" Sperling Main Line Meter. Bottom strainer 4028
 Bottom air line 385'. Ground level 8' below datum.

Pump started 3:15 PM November 12, 1959

| Time | Air Line PSI | Sparling Meter Sec./100 Gal. | Gallons per Minute | Pumping Level | GPM/Foot Draw Down |
|------------------------|-----------------|---------------------------------|-----------------------|------------------|-----------------------|
| 4:15 PM | 21.5 | 39.3 | 182.7 | 3.35' | 1.23 |
| 5:15 | 19.5 | 40.5 | 148.2 | 1.60 | 1.15 |
| 6:15 | 19.0 | 40.4 | 145.7 | 3.01 | 1.15 |
| 7:15 | 19.0 | 40.2 | 144.2 | 3.41 | 1.15 |
| 8:15 | 17.0 | 40.2 | 149.5 | 3.65.7 | 1.11 |
| 9:15 | 18.0 | 40.2 | 149.5 | 3.63.4 | 1.14 |
| 10:15 | 15.0 | 38.7 | 154.7 | 3.73.4 | 1.13 |
| 11:15 | 15.0 | 38.8 | 154.0 | 3.50.3 | 1.11 |
| 12:15 A.M. | 15.0 | 38.4 | 154.3 | 3.50.3 | 1.11 |
| 1:15 | 15.0 | 39.0 | 154.2 | 3.50.3 | 1.10 |
| 2:15 | 15.0 | 37.2 | 153.2 | 3.50.3 | 1.11 |
| 3:15 | 15.0 | 37.0 | 150.2 | 3.50.3 | 1.11 |
| 4:15 | 15.0 | 37.1 | 153.6 | 3.50.3 | 1.10 |
| 5:15 | 15.0 | 37.7 | 154.3 | 3.50.3 | 1.11 |
| 6:15 | 15.0 | 37.2 | 153.3 | 3.50.3 | 1.10 |
| 7:15 | 15.0 | 37.0 | 150.2 | 3.50.3 | 1.11 |
| 8:15 | 15.0 | 37.7 | 154.3 | 3.50.3 | 1.11 |
| 9:15 | 15.0 | 37.0 | 154.2 | 3.50.3 | 1.11 |
| 10:15 | 15.0 | 37.0 | 154.2 | 3.50.3 | 1.11 |
| 11:15 | 15.0 | 37.1 | 153.5 | 3.50.3 | 1.10 |
| 12:15 P.M. | 15.0 | 37.1 | 153.5 | 3.50.3 | 1.10 |
| 1:15 | 15.0 | 37.7 | 154.3 | 3.50.3 | 1.11 |
| 2:15 | 15.0 | 37.0 | 154.2 | 3.50.3 | 1.11 |
| 3:15 | 15.0 | 37.0 | 154.2 | 3.50.3 | 1.11 |
| 4:15 | | | | | |
| 5:15 | | | | | |
| 6:15 | | | | | |
| 7:15 | | | | | |
| 8:15 | | | | | |
| 9:15 | | | | | |
| 10:15 | | | | | |
| STATIC LEVEL WELL 211' | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |



TEXAS WATER DEVELOPMENT BOARD

Sample Number 400
Well Number 40-24-101 Date/Time 7/19/94 13:20
County McLennan Collected by D.R. Jones
Owner's Name Ross W.S.C. Well # 1
Address P.O. Box 30 Ross, TX 76884
Date Drilled _____ Depth _____ Yield _____
Use P.S. Send Copy to Owner: Yes No
Collection Point F.A.W. After Pumping P.A. Hours _____
pH 8.23 Eh _____ Spec. Cond. 955 TDS _____ Temp 112.00 °F
Field Alkalinity: Phenol 0 mg/l Total 346.0 mg/l
Date Analyzed: 8-2-94 Analyst Robert Ozment

| | | |
|------------------------|-------------|------|
| Silica | _____ | mg/l |
| Calcium | <u>1.2</u> | mg/l |
| Magnesium | <u>0.8</u> | mg/l |
| Sodium (calculated) | _____ | mg/l |
| Potassium | _____ | mg/l |
| Sulfate | <u>95.0</u> | mg/l |
| Chloride | <u>47.6</u> | mg/l |
| Fluoride | _____ | mg/l |
| Nitrate (as N) | _____ | mg/l |
| Iron (01046) | _____ | µg/l |
| Orthophosphate (00871) | _____ | mg/l |

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

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

Texas State Department of Health Laboratories
1100 West 48th Street
Austin, Texas 78756

TWDBE-GW ONLY

Program No. 425

Proj. No. _____

CHEMICAL WATER ANALYSIS REPORT

Send report to:

Ground Water Data and Protection Division
Texas Water Development Board
P.O. Box 13087
Austin, Texas 78711

County ST. MARY'S

State Well No. 40-24-101

Well No. _____

Date Collected 09-21-73

By Gene Davis

Location 7 miles north of Waco, Texas

Source (type of well) Tapline - 200' Owner BOSS W.S.S.

Date Drilled 11-1972 Depth 226.9 ft. WBF Houston

Producing interval 210' - 225' Water level _____ ft.

Sampled after pumping 2 hrs. Yield 135 GPM Temperature 105 °F °C

Point of collection Tap at Well Appearance clear turbid colored other

Use P.S. Remarks _____

(FOR LABORATORY USE ONLY)

CHEMICAL ANALYSIS

KEY PUNCHED

Laboratory No. 256309

Date Received SEP 26 1973

Date Reported _____

| | MG/L | | ME/L | |
|--|------|-----|--------------|-------------|
| Silica | | 16 | | |
| Calcium | | 3 | 0.16 | |
| Magnesium | | 1 | 0.11 | |
| Sodium | | 223 | 9.69 | |
| | | | Total | 9.96 |
| <input type="checkbox"/> Potassium | | * | | |
| <input type="checkbox"/> Manganese | | * | %Na | |
| <input type="checkbox"/> Boron | | * | SAR | |
| <input checked="" type="checkbox"/> Total Iron | | * | RSC | |

| | MG/L | | ME/L | |
|-------------|------|-----|-------|-------|
| Carbonate | | 212 | | 0 |
| Bicarbonate | | 421 | | 7.68 |
| Sulfate | | 88 | | 1.83 |
| Chloride | | 48 | | 1.36 |
| Fluoride | | 1.1 | | |
| Nitrate | | 1.5 | | |
| pH | | 8.2 | Total | 10.35 |

(other) _____ MG/L

Specific Conductance (micromhos/cm³) 945

Diluted Conductance (micromhos/cm³) 8 x 132

| | | |
|---|--|-----|
| 1/ Dissolved Solids (sum in MG/L) | | 590 |
| Phenolphthalein Alkalinity as CaCO ₃ | | 0 |
| Total Alkalinity as CaCO ₃ (7.06) | | 353 |
| Total Hardness as CaCO ₃ (0.27) | | 14 |
| 2/ Nitrogen Cycle | | |
| Ammonia - N | | |
| Nitrite - N | | |
| Nitrate - N | | |
| Organic Nitrogen | | |

Items will be analyzed if checked.

1056

1/ The bicarbonate reported in this analysis is converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure is used in the computation of this sum.

2/ Nitrogen cycle requires separate sample.

3/ Total Iron requires separate sample.

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

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

TWDBE-GW ONLY

Program No. 425

Proj. No. _____

CHEMICAL WATER ANALYSIS REPORT

Send report to:

Ground Water Data and Protection Division
Texas Water Development Board
P.O. Box 13087
Austin, Texas 78711

County ST. MARIANO

State Well No. 40-24-101

Well No. 1

Date Collected 06-20-74

By GENA DAVIS

Location _____

Source (type of well) WELL Owner _____

Date Drilled 11-57 Depth 2269 ft. WBF Houston

Producing Intervals 210'-2265' Water level 215.0 ft.

Sampled after pumping 14 hrs. Yield 130 GPM ~~1000~~ Temperature 104 °F _____ °C

Point of collection TAP AT WELL Appearance clear turbid colored other

Use P.S. Remarks _____

(FOR LABORATORY USE ONLY)

270419

CHEMICAL ANALYSIS

KEY FIGURES

JUL 18 1974

Laboratory No. _____

Date Received JUN 25 1974

Date Reported _____

| | MG/L | | | ME/L | | |
|--|------|--|-----|------|----|----|
| Silica | | | 19 | | | |
| Calcium | | | 3 | | 0 | 17 |
| Magnesium | | | 1 | | 0 | 07 |
| Sodium | | | 233 | | 10 | 11 |
| Total | | | | | 10 | 35 |
| <input type="checkbox"/> Potassium | | | | | | |
| <input type="checkbox"/> Manganese | | | | | | |
| <input type="checkbox"/> Boron | | | | | | |
| <input checked="" type="checkbox"/> Total Iron | | | | | | |

%Na _____

SAR _____

RSC _____

[other] _____ MG/L

Specific Conductance (micromhos/cm³) _____ 932

Diluted Conductance (micromhos/cm³) 7 x 149

1043

" Items will be analyzed if checked.

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

² Nitrogen cycle requires separate sample.

³ Total Iron requires separate sample.

| | MG/L | | | ME/L | | |
|---|------|--|------|------|----|-----|
| Carbonate | | | 0 | | | |
| 213 Bicarbonate | | | 433 | | 7 | 10 |
| Sulfate | | | 91 | | 1 | 90 |
| Chloride | | | 49 | | 1 | 37 |
| Fluoride | | | 1.1 | | | |
| Nitrate | | | 1.2 | | | |
| pH | | | 8.2 | | | |
| Total | | | | | 10 | 37 |
| ¹ Dissolved Solids (sum in MG/L) | | | | | | 610 |
| Phenolphthalein Alkalinity as CaCO ₃ | | | | | | 0 |
| Total Alkalinity as CaCO ₃ | | | 7.10 | | | 355 |
| Total Hardness as CaCO ₃ | | | 0.24 | | | 12 |
| Ammonia - N ² Nitrogen Cycle | | | | | | |
| Nitrite - N | | | | | | |
| Nitrate - N | | | | | | |
| Organic Nitrogen | | | | | | |

Port

*Page T.S.R.
ST-40-24-101
101*

TEXAS STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES
1100 WEST 45TH STREET
AUSTIN, TEXAS

Laboratory No. *13563* Town *WACO* County *McLennan*
Date Received *11-27-59* Collected By
Date Reported *12-1-59* Requested By *URAN & Soules
206 North 6th*
Ownership: Municipal Source: Surface Sampling Point: Well
Water Dist. Ground Storage
Other *Ross Water Supply Corp.* Dist. System
Other

Other Identification:

CHEMICAL ANALYSIS

KEY PUNCHED

| | P. P. M. | | P. P. M. |
|----------------|-------------|---------------------------------|-------------|
| Calcium (Ca) | <u>3</u> | Carbonate (CO ₃) | <u>7</u> |
| Magnesium (Mg) | <u>1</u> | Bicarbonate (HCO ₃) | <u>42.6</u> |
| Iron (Fe) | <u>0.64</u> | Sulphate (SO ₄) | <u>84</u> |
| Manganese (Mn) | <u>5.05</u> | Chloride (Cl) | <u>46</u> |
| Sodium (Na) | <u>224</u> | Fluoride (F) | <u>0.8</u> |
| | | Nitrate (NO ₃) | <u>6.4</u> |

| | |
|---|------------|
| Specific Conductance Micromhos/cm | <u>960</u> |
| Dissolved Residue (T.S.) Calculated - ppm | <u>576</u> |
| Phenolphthalein Alkalinity as CaCO ₃ - ppm | <u>6</u> |
| Total Alkalinity as CaCO ₃ - ppm | <u>350</u> |
| Total Hardness as CaCO ₃ - ppm | <u>11</u> |
| pH | <u>8.6</u> |

*(See reverse Side)

3045 Revised

Ross — 1-9-65

$$\begin{array}{r}
 \text{e. line W.L.} = 279.35 \text{ below } \text{concrete pump base} \\
 \underline{- 1.3} \\
 278.05 \text{ below l.s.}
 \end{array}$$

$$\begin{array}{r}
 \text{S-tape W.L.} = 279.22 \\
 \underline{- 1.30} \\
 277.92
 \end{array}$$

Started pumping 11:00 a.m. 1-9-65

160 + gpm
pump off 11:30 to hook up stage 1

502' airline

Jacuzzi 20 hp 6 stage
6" —

pump on 11:48 a.m.

$$\begin{array}{r}
 400 \\
 275 \\
 \hline
 122
 \end{array}$$

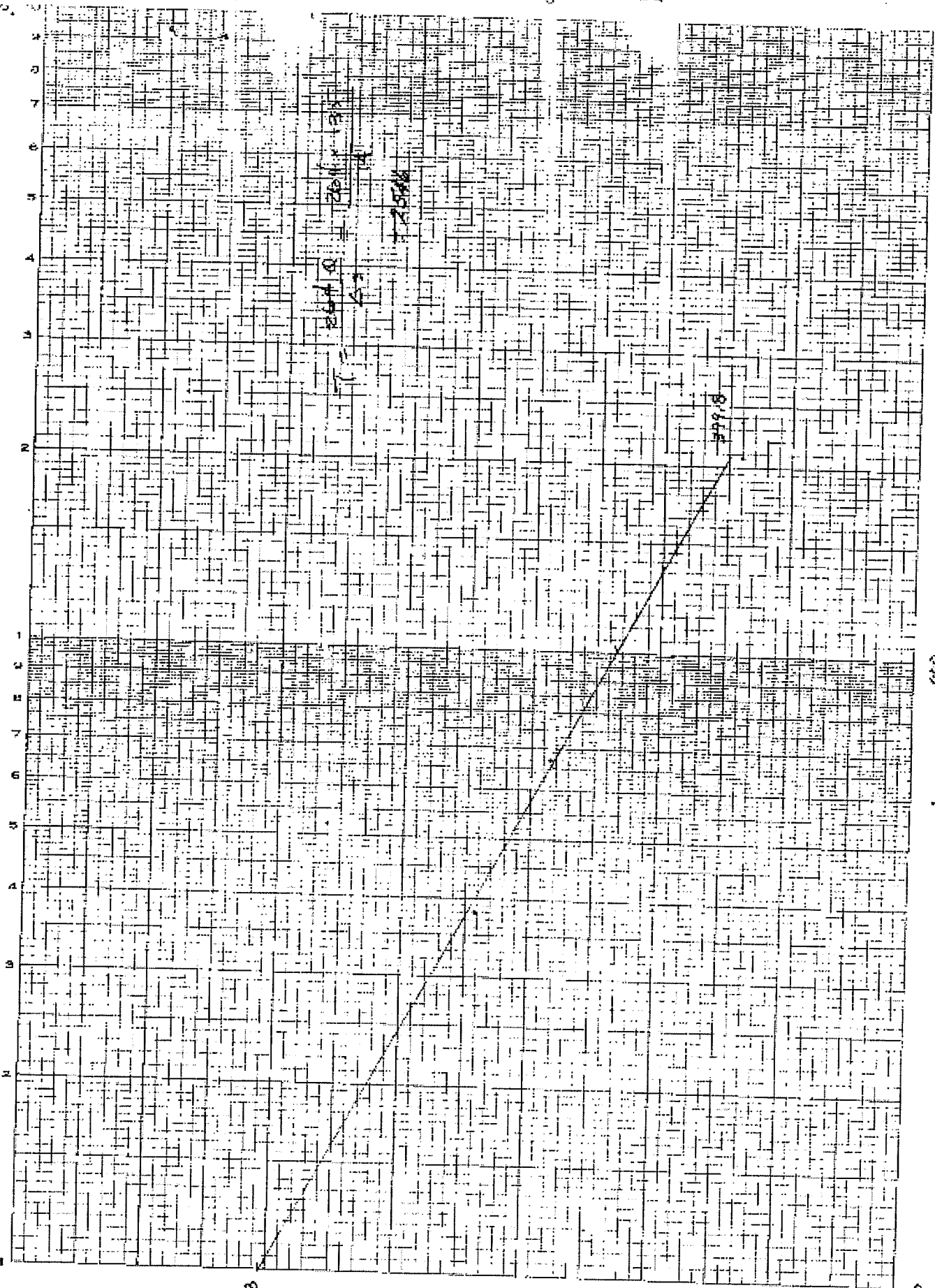
SI40-24-101



NO. 1000 DISTANCE FROM CENTER
SCALE QUANTITATIVE
3 CYCLES X 10 DIVISIONS PER INCH

EJLBEN DISTROEN CO.
MADE IN U.S.A.

100



958

964

968

ST40-24-101

97

98

99

REQUEST FOR CHEMICAL ANALYSIS OF WATER
TEXAS STATE DEPARTMENT OF HEALTH LABORATORIES
 1100 WEST 4TH STREET AUSTIN, TEXAS 78766

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 primarily 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 (blank ribbon) or print plainly using soft pencil or black ink. A ball point pen should not be used.

Send report to:

FARMERS HOME ADMINISTRATION

201 Citizens Tower Bldg

Waco, Texas

LOCATION ROSS, TEXAS

COUNTY McLENNAN

DATE COLLECTED April 20, 1976

OWNERSHIP OF SUPPLY

Ross Water Supply Corporation
Box 20
Ross, Texas 76684

IF FROM WELL

Depth 2200
 Age 1959
 Well No. 1

POINT OF COLLECTION

Raw Supply X
 Plant Discharge _____
 Distribution _____
 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:

John King
Sec-Treas. (Signature)

Box 20, Ross, Texas 76684
 (Address of Official)

FOR LABORATORY USE ONLY

CHEMICAL ANALYSIS REPORT

(Values reported are for minerals in solution)

1 gal.

310354

APR 22 1976

MAY 11 1976

Laboratory No. _____

Date Received _____

Date Reported _____

| | Milligrams per Liter | | Milligrams per Liter | | Milligrams per Liter |
|-----------|---|-------------|----------------------|---------------------------------------|----------------------|
| Calcium | <u>3</u> | Carbonate | <u>11</u> | Dissolved solids | <u>790</u> |
| Magnesium | <u><1</u> | Bicarbonate | <u>404</u> | Phenolphthalein | <u>9</u> |
| Sodium | <u>227</u> | Sulphate | <u>96</u> | Alkalinity as CaCO ₃ | <u>9</u> |
| Manganese | <u>is separate 8 oz. sample is required for Fe and Mn</u> | Chloride | <u>49</u> | Total Alkalinity as CaCO ₃ | <u>349</u> |
| Iron | | Fluoride | <u>0.8</u> | Total Hardness as CaCO ₃ | <u>9</u> |
| | | Nitrate | <u>1.3</u> | | |

pH 8.4 Diluted Conductance Microhm/cm 1040

RECOMMENDED LIMITS FOR DRINKING WATER IN MILLIGRAMS PER LITER

| | | | |
|-----------|-----|--------------|---------|
| IRON | 0.4 | FLUORIDE | 0.4-1.2 |
| MANGANESE | 0.1 | NITRATE | 45 |
| SULPHATE | 350 | TOTAL SOLIDS | 500 |
| CHLORIDE | 250 | | |

40-24-100

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

Send Report To:

John King
P.O. Box 14
Ross Texas 76684

NAME OF WATER SYSTEM: Ross WSC
 Area Served Ross community area
 County Mclennan Co.
 Date Collected 3-18-78

POINT OF COLLECTION _____ IF FROM WELL _____ IF SURFACE SUPPLY _____
 Raw Supply _____ Depth 22.97 Name of source _____
 Plant Discharge _____ AGE 19 yrs
 Distribution W GRICARY
 Other _____ Well No. 1

REMARKS: 2 - 1gal samples (1 acidized)

Signature of Public Official, Water Utility Official, or authorized representative requesting the analysis:
Ron W. Boyd, EIT TDH Reg 6
 (Signature) (Address of Official)

FOR LABORATORY USE ONLY

CHEMICAL ANALYSIS REPORT

Laboratory No. 242250 Date Received 3/18 Date Reported 3/26/78

| Milligrams per Liter | | Milligrams per Liter | | Milligrams per Liter | | |
|----------------------------|-------------|----------------------|-------------------|--------------------------------|-----------------------|---------------------------------|
| Calcium | <u>2</u> | Arsenic | <u>< 0.01</u> | ORGANIC CHEMICALS: | | |
| Magnesium | <u>1</u> | Barium | <u>< 0.5</u> | | Endrin _____ | |
| Sodium | <u>237</u> | Cadmium | <u>< 0.005</u> | | Lindane _____ | |
| Carbonate | <u>0</u> | Chromium | <u>< 0.02</u> | | Methoxychlor _____ | |
| Bicarbonate ²¹⁰ | <u>427</u> | Iron | <u>0.03</u> | | Toxaphene _____ | |
| Sulphate | <u>91</u> | Lead | <u>< 0.02</u> | | 2, 4-D _____ | |
| Chloride | <u>48</u> | Manganese | <u>< 0.02</u> | | 2, 4, 6-TP _____ | |
| Fluoride | <u>0.8</u> | Mercury | <u>< 0.002</u> | | RADIOCHEMICAL: | |
| Nitrate (as N) | <u>0.18</u> | Selenium | <u>< 0.002</u> | | | Gross Alpha <u>< 2</u> pCi/l |
| | | Silver | <u>< 0.01</u> | | | Radium 226 _____ pCi/l |
| | | | | Gross Beta <u>< 4</u> pCi/l | | |

Turbidity _____ (FTU) Dissolved Solids 590 Gamma Scan _____
 pH 8.3 Phenolphthalein _____
 Alkalinity as CaCO₃ 0
 Diluted Conductance _____ Total Alkalinity as CaCO₃ 350
 Micromhos/cm 1050 Total Hardness as CaCO₃ 11

ADDITIONAL ANALYSIS:

40-24-101
 FORM NO. 0-176

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

Send Report To: John King, Pres. & Operator

Ross WSC
Po Box 14
Ross, TX 76684

NAME OF WATER SUPPLY:

Ross WSC
 Water Supply I.D. No. 1550042
 County McLennan (1-7)

- SAMPLE TYPE IF FROM WELL
- ~~Distribution~~ Other Depth _____ ft.
- Plant Discharge Age _____ yrs.
- Raw Supply Well No. _____
- Other

IF SURFACE SUPPLY

Name of Source _____

REMARKS: Routine sample collected at Ross sump

R. R. Duff
 (Signature)

Date Collected 5/27/81
 (31-36)

| Laboratory No. (10-13) | CEI-13351 | Date Received (7-20) | JUN 01 1981 | Date Reported (17-20) | 6/16/81 |
|-------------------------------|-----------|----------------------|-------------------|-----------------------|---------|
| 1016 Calcium | | _____ mg/l | 1005 Arsenic | <u>< 0.01</u> | mg/l |
| 1031 Magnesium | | _____ mg/l | 1010 Barium | <u>< 0.5</u> | mg/l |
| 1052 Sodium | | _____ mg/l | 1015 Cadmium | <u>< 0.005</u> | mg/l |
| 1929 Carbonate | | _____ mg/l | 1020 Chromium | <u>< 0.02</u> | mg/l |
| 1928 Bicarbonate | | _____ mg/l | 1022 Copper | <u>0.16</u> | mg/l |
| | | _____ mg/l | 1028 Iron | <u>0.03</u> | mg/l |
| POTABLE WATER ANALYSIS | | | | | |
| (10-13) SAMPLE NO. 113351 | | (17-20) <u>3/1</u> | 1030 Lead | <u>< 0.02</u> | mg/l |
| 1016 Calcium | | 2 mg/l | 1032 Manganese | <u>< 0.02</u> | mg/l |
| 1031 Magnesium | | <u>< 0</u> mg/l | 1035 Mercury | <u>< 0.0002</u> | mg/l |
| 1052 Sodium | | 231 mg/l | 1045 Selenium | <u>< 0.002</u> | mg/l |
| 1929 Carbonate 209 | | 7 mg/l | 1050 Silver | <u>< 0.01</u> | mg/l |
| 1928 Bicarbonate | | 425 mg/l | 1095 Zinc | <u>< 0.02</u> | mg/l |
| 1055 Sulfate | | 91 mg/l | 2005 Endrin | _____ | mg/l |
| 1017 Chloride | | 44 mg/l | 2010 Lindane | _____ | mg/l |
| 1025 Fluoride | | 0.8 mg/l | 2015 Methoxychlor | _____ | mg/l |
| 1040 Nitrate (as N) | | 0.26 mg/l | 2020 Toxaphene | _____ | mg/l |
| 1930 Dissolved solids | | 589 mg/l | 2105 2,4-D | _____ | mg/l |
| 1931 Phenolphthalein | | | 2110 2,4,5-TP | _____ | mg/l |
| Alkalinity as CaCO3 | | 6 mg/l | | | |
| 1927 Total Alkalinity | | | | | |
| as CaCO3 | | 360 mg/l | | | |
| 1915 Total Hardness | | | | | |
| as CaCO3 | | 8 mg/l | | | |
| 1925 pH | | 8.6 | | | |
| 1926 Diluted Conductance | | | | | |
| Micromhos/cm. | | 1064 | | | |

40-24-101
 Form No. 4-72

TEXAS WATER DEVELOPMENT BOARD - WATER LEVEL MEASUREMENTS

OLD WELL NUMBER

AS OF

WELL LOCATION: LAT.

LONG.

Normal

Publ.

USGS

YR. REC. BEGINS

LAST CHEMICAL ANALYSIS

| STATE WELL NUMBER | | | LAND SURFACE DATUM ELEVATION | | | | | | | | | |
|-----------------------------|-----|-----|--|---|--------------------|------------------------|---|------------------|--------------------|---------|----------|---|
| DEPTH OF WELL | | | COMPLETION INTERVAL | | | | | | | | | |
| DATE OF CURRENT MEASUREMENT | | | CURRENT DEPTH TO WATER FROM LAND SURFACE | CHANGE IN LEVEL SINCE LAST STATIC MEASUREMENT | Measurement Number | DEPTH TO WATER FROM MP | ELEVATION OF DEPTH TO WATER FROM MEAN SEA LEVEL | Measuring Agency | Measurement Method | REMARKS | WELL USE | FIELD OBSERVATIONS |
| MO. | DAY | YR. | | | | | | | | | | |
| 2 | 17 | 93 | — | | | | | 1 | 3 | 48 | | All leaks |
| 2 | 16 | 94 | 780.00 | | 1 | 780.00 | +0.00 | 01 | 3 | | P | All Replaced but leaks slowly. |
| 2 | 21 | 95 | -839.21 | | | | | 01 | 3 | | P | |
| 11 | 2 | 95 | — | | | | | 01 | 3 | 48 | P | |
| 1 | 21 | 97 | — | | 01 | | +0.00 | 01 | 3 | 48 | P | Leaks, will try to set up other city well |
| | | | | | | | | | | | | switched out to well #3 (104) |
| | | | | | | | | | | | | |
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AQUIFER *Houston*
 WATERSHED *Brazos*
 COUNTY *Mc Lennan*

Historical
 WELL CLASS AND NUMBER (PS) *40-24-101*
 MEASURING POINT (MP) *Air Line*

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

| | | |
|--|------------|----------------------------------|
| 1. Applicant Name: Ross Water Supply Corporation | | |
| 2. Well Identifier or Well Name: Well #2 | | |
| 3. System Name: Ross Water Supply Corporation | | |
| 4. TCEQ System ID Number: G1550042B | | |
| 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: 4024103 | | |
| 7. Aquifer(s) or formations in which the well is screened: Trinity | | |
| 8. Address of the property upon which the well is located: 334 E Tours Rd West, TX 76691 | | |
| 9. Well Location: | Latitude: | 31 D 43 M 47 S |
| | Longitude: | 97 D 05 M 59 S |
| 10. Identify any surface water, including lakes or rivers within 1,000 feet of the well: none | | |
| 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: 1989 Year well completed and operational: 1989 | | |
| 15. Pump Information: Pump Make and Model: Franklin Motor Crown Pump | | |
| 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 5/8 inches Inside diameter of column pipe: 4 inches | | |
| 16. The maximum rate at which water can be withdrawn from the well: 190 gpm | | |
| 17. Flow Meter Make and Model: Rockwell | | |
| Serial Number: 50306 | | Meter Units: 1000 gpm |
| Meter reading end of 2008: Amount: 157523 | | Units: 1000 gal Date: 12/31/2008 |
| Meter reading end of 2009: Amount: 189559 | | Units: 1000 gal Date: 12/31/2009 |

DRILLERS'S LOG

OWNER: ROSS WATER SUPPLY CORPORATION WELL NO. 2
LOCATION: 2 MILES NORTH - ELM MOTT
DRILLER: T. WIGINGTON J. BISHOP
DATE: MARCH, 1982

| DEPTH OF STRATA | | EACH STRATUM Amount | DESCRIPTION |
|-----------------|------|------------------------|---|
| From | To | | |
| 0 | 37 | 37 | Top soil |
| 37 | 80 | 43 | Yellow clay and gravel |
| 80 | 98 | 18 | Light yellow clay, gray clay and gravel |
| 98 | 128 | 30 | Hard lime |
| 128 | 150 | 22 | Lime and clay |
| 150 | 156 | 6 | Clay and gravel |
| 156 | 170 | 14 | Lime and clay |
| 170 | 190 | 20 | Clay and gravel |
| 190 | 230 | 40 | Clay |
| 230 | 240 | 10 | Clay and sand |
| 240 | 255 | 15 | Brown clay |
| 255 | 275 | 20 | Light gray fine shale and sand |
| 275 | 285 | 10 | Fine gray shale |
| 285 | 304 | 19 | Fine gray shale and sand |
| 304 | 320 | 16 | Fine gray shale |
| 320 | 336 | 16 | Fine shale, lime with sand |
| 336 | 367 | 31 | Fine gray shale, sand with lime |
| 367 | 390 | 23 | Fine gray shale and sand |
| 390 | 399 | 9 | Fine sandy lime |
| 399 | 430 | 31 | Fine gray shale |
| 430 | 435 | 5 | Fine gray shale with lime |
| 435 | 470 | 35 | Fine gray shale |
| 470 | 493 | 23 | Fine gray shale and lime |
| 493 | 540 | 47 | Fine shale |
| 540 | 695 | 155 | Shale and lime |
| 695 | 711 | 16 | Lime with some shale |
| 711 | 765 | 54 | Soft gray shale |
| 765 | 840 | 75 | Gray shale and lime |
| 840 | 855 | 15 | Lime with some shale |
| 855 | 895 | 40 | Lime and shale |
| 895 | 899 | 4 | Lime with some shale |
| 899 | 915 | 16 | Lime and shale |
| 915 | 925 | 10 | Lime with some shale |
| 925 | 935 | 10 | Hard lime with shale streak |
| 935 | 962 | 27 | Soft lime and sand |
| 962 | 994 | 32 | Hard lime |
| 994 | 1015 | 21 | Lime and shale |

DRILLER'S LOG
 ROSS WATER SUPPLY CORPORATION WELL NO. 2

| DEPTH OF STRATA | | EACH STRATUM Amount | DESCRIPTION |
|-----------------|------|------------------------|----------------------------------|
| From | To | | |
| 1015 | 1155 | 140 | Lime |
| 1155 | 1160 | 5 | Shale |
| 1160 | 1165 | 5 | Shale and lime |
| 1165 | 1220 | 55 | Lime |
| 1220 | 1244 | 24 | Hard lime, gravel and sand |
| 1244 | 1265 | 21 | Shale, gravel and lime |
| 1265 | 1280 | 15 | Shale and lime |
| 1280 | 1290 | 10 | Shale, lime and sand |
| 1290 | 1369 | 79 | Lime and shale |
| 1369 | 1400 | 31 | Soft lime with coarse sand |
| 1400 | 1450 | 50 | Soft lime and sandy limestone |
| 1426 | 1526 | 76 | Lime with some shale |
| 1526 | 1605 | 69 | Soft lime and limestone |
| 1605 | 1652 | 47 | Lime and shale |
| 1652 | 1683 | 31 | Limestone and gravel |
| 1683 | 1715 | 32 | Soft lime and limestone |
| 1715 | 1820 | 105 | Shale and lime |
| 1820 | 1870 | 50 | Shale, lime and clay |
| 1870 | 1880 | 10 | Austin chalk and lime |
| 1880 | 1905 | 25 | Lime with some shale |
| 1905 | 1933 | 28 | Soft lime and limestone |
| 1933 | 2005 | 72 | Lime, shale and sand |
| 2005 | 2028 | 23 | Lime, shale and lignite |
| 2028 | 2-60 | 32 | Lime and shale with sand |
| 2060 | 2110 | 50 | Sand |
| 2110 | 2175 | 65 | Shale, red bed, lignite and sand |
| 2175 | 2217 | 42 | Red bed, lignite and lime |
| 2217 | 2270 | 53 | Sandy lime |
| 2270 | 2300 | 30 | Lime, shale and some sand |
| 2300 | 2335 | 35 | Gray shale |
| 2335 | 2350 | 15 | Shale and red bed with some sand |

6 M-250

MODEL 6M-250 PERFORMANCE CHARACTERISTIC

BOWL — CAST IRON or NI-RESIST — DIA. 6"
 IMPELLER BRONZE or NI-RESIST
 DISCHARGE 4" STANDARD
 K FACTOR 2.4
 MAX. O.D. W/CABLE GUARD 8 3/4"
 BEARING — CUTLESS RUBBER OR BRONZE

CHANGE EFFICIENCY AS FOLLOWS

| No. of Points | No. of Stages |
|---------------|---------------|
| -3 | 1 |
| -2 | 2 |
| -1 | 3 |
| 0 | 4 |

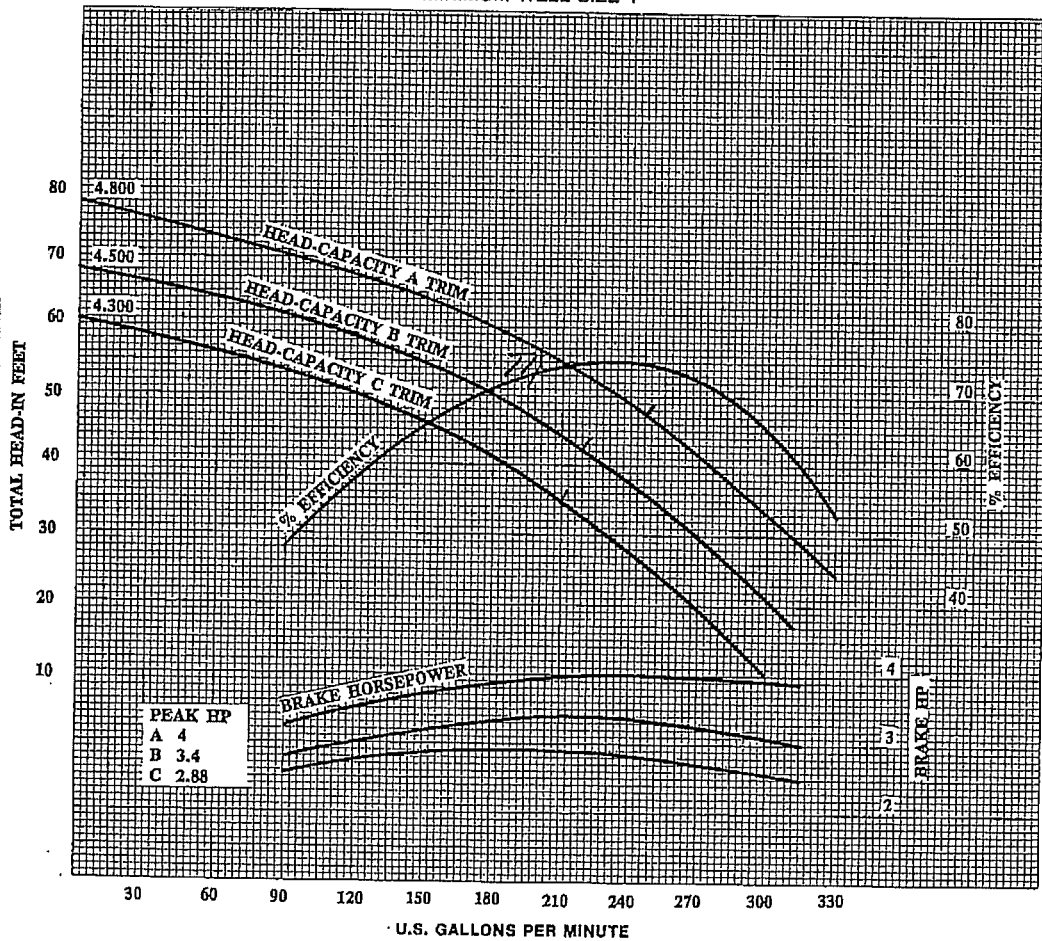
POWER: ELECTRIC
 CYCLE: 60 Hz
 R P M: 3450
 IMPELLER TYPE: ENCLOSED
 BOWL TYPE: FLANGED
 CURVE SHEET NO. 1

NOTE: EFFICIENCY PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS — POLISHED BRONZE IMPELLERS AND 6 FEET SUBMERGENCE.

THIS CHARACTERISTIC CURVE IS BASED ON FACTORY TESTS WHEN PUMPING CLEAR, FRESH, NON-AERATED WATER AT A TEMPERATURE NOT EXCEEDING 85° F. AND UNDER SUCTION CONDITIONS AS INDICATED.

PUMP PERFORMANCE RATING IS FOR THE DESIGNATED POINT ONLY AND IS SUBJECT TO TEST TOLERANCES AND PROCEDURES AS SPECIFIED IN THE STANDARD OF THE HYDRAULIC INSTITUTE.

MINIMUM WELL SIZE 7"



CROWN

CROWN PUMP CORPORATION • HIGHWAY 16 & RIVAR • DEL RIO, TEXAS

PUMPING TEST
ROSS WATER SUPPLY CORPORATION

PAGE 2

| DATE & TIME | ORIFICE READING | GPM | AIRLINE READING | WATER LEVEL | COMMENTS |
|-------------|-----------------|-----|-----------------|-------------|----------|
| 3-19-82 | | | | | |
| 0500 | 17.5 | 175 | 95 | 544 | |
| 0530 | 17.5 | 175 | 95 | 544 | |
| 0600 | 17.5 | 175 | 95 | 544 | |
| 0630 | 17.5 | 175 | 95 | 544 | |
| 0700 | 17.5 | 175 | 95 | 544 | |
| 0730 | 17.5 | 175 | 95 | 544 | |
| 0800 | 17.5 | 175 | 95 | 544 | |
| 0830 | 17.5 | 175 | 95 | 544 | |
| 0900 | 17.5 | 175 | 95 | 544 | |
| 0930 | 17.5 | 175 | 95 | 544 | |
| 1000 | 17.5 | 175 | 95 | 544 | |
| 1045 | 17.5 | 175 | 95 | 544 | |
| 1045 | 13 | 150 | 95 | 544 | |
| 1100 | 13 | 150 | 128 | 511 | |
| 1130 | 13 | 150 | 130 | 509 | |
| 1200 | 13 | 150 | 129 | 510 | |
| 1230 | 13 | 150 | 130 | 509 | |
| 1300 | 13 | 150 | 130 | 509 | |
| 1330 | 13 | 150 | 130 | 509 | |
| 1400 | 13 | 150 | 130 | 509 | |
| 1430 | 13 | 150 | 130 | 509 | |
| 1500 | 13 | 150 | 130 | 509 | |
| 1530 | 17.5 | .75 | 105 | 534 | |
| 1600 | 17.5 | 175 | 100 | 539 | PUMP OFF |
| RECOVERY | | | | | |
| 1605 | | | 160 | | |
| 1610 | | | 178 | | |
| 1615 | | | 184 | | |
| 1625 | | | 189 | | |
| 1635 | | | 195 | | |
| 1645 | | | 206 | | |
| 1700 | | | 210 | | |

WATER ANALYSIS
PUMP RECORD
OPERATION INSTRUCTION

| | |
|---|---|
| <p>26. Remarks:</p> | <p>*27. Remarks:</p> |
| CEMENTING COMPANY | *OPERATOR |
| <p>I declare under penalties prescribed in Article 6036c, R. C. S., that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in this report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers cementing data only.</p> | <p>I declare under penalties prescribed in Article 6036c, R. C. S., that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers all well data and information presented herein.</p> |
| <p><i>Lawton J. Carlton</i> Signature of Cementer or Authorized Representative</p> | <p>_____ *Signature of Operator or Authorized Representative</p> |
| <p>LAWTON J. CARLTON CEMENTER Name of Person and Title (type or print)</p> | <p>_____ *Name of Person and Title (type or print)</p> |
| <p>HALLIBURTON SERVICES Cementing Company</p> | <p>_____ *Operator</p> |
| <p>P. O. BOX 204 Street Address or P. O. Box</p> | <p>_____ *Street Address or P. O. Box</p> |
| <p>STEPHENVILLE, TX. 76401 City, State Zip Code</p> | <p>_____ *City, State Zip Code</p> |
| <p>817 965-4500 Telephone Area Code</p> | <p>_____ *Telephone Area Code</p> |
| <p>2-10-82 Date</p> | <p>_____ *Date</p> |

INSTRUCTIONS

- A. This form shall be filed by the operator in the RRC District Office with:
 - (1) Each copy of an Initial Form G-1 or W-2 if a cementing report is required by Statewide or Special Rules, or if exception is needed to cementing requirements in Statewide or Special Rules; unless the Form G-1 or W-2 is signed by the cementing company representative.
 - (2) Each copy of Form W-3; unless the Form W-3 is signed by the cementing company representative.
 - (3) Each copy of Form W-4 if a multiple parallel casing completion.
- B. At least an original and one copy of this form shall be filed for each cementing company used on a well.
- C. The cementing of different casing strings on a well by one cementing company may be consolidated on one form (to be filed in duplicate). Cementing Company and Operator shall comply with the applicable portions of Statewide Rules 8, 13, and 14. For offshore operations, Cementing Company and Operator shall comply with Statewide Rule 13(E).
3. If setting **FULL AMOUNT OF SURFACE CASING**:
 - A. Depth to protect fresh water by:
 - (1) Field Rule
 - (2) Texas Water Development Board, if no Field Rule
 - B. Set surface casing below depth to be protected and cement from casing shoe to ground surface.
- IF SETTING ANYTHING OTHER THAN THE FULL AMOUNT OF SURFACE CASING, PERMISSION SHALL BE OBTAINED FROM THE RAILROAD COMMISSION.
- If setting **NO SURFACE CASING** (See Item 4 above):
 - A. If no multi-stage tool is used, the next deeper casing string shall be cemented from the casing shoe to the surface.
 - B. If using the multi-stage tool on the next deeper string, cement from the depth that protects fresh water sands to the surface.
- If setting **SHORT SURFACE CASING** (See Item 4 above):
 - A. Cement short surface casing from the shoe to the surface.
 - B. Whether the multi-stage tool is or is not used on the next deeper casing string, cement from the depth that protects fresh water sands to:
 - (1) the surface, or
 - (2) a point midway between shoe of surface string and the surface. Compliance will be considered if a temperature survey shows that the top of the cement is at least one-third of the distance from the shoe of the surface string to the surface.
- Setting **PRODUCTION STRING** of Casing: (Statewide Rules; Special Rules may vary.)
 - A. Cement to a point at least 600 feet above the casing shoe.
 - B. When 3,000 feet or more of pipe is set for the production or protecting string, a minimum of 30 feet of cement shall be left inside the pipe.
8. **PLUGGING AND ABANDONING**:
 - A. Cement plugs shall be placed in the well bore as required by Rules and Regulations of the Commission plus any additional plugs as may be specified by the RRC District Director.
 - B. The minimum amount of cement normally used in each plug shall be a slurry volume equal to the amount necessary to fill the calculated volume of 100 feet of the hole in which the plug is placed.
 - C. A 10 foot cement plug is required to be placed in the top of the well.

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

Form W - 15
(Rev. 5-1-80)

CEMENTING REPORT

| | | |
|---|--|------------------------|
| *1. Field Name (as per RRC Records or Wellcut) | | *2. RRC District |
| Operator J. L. MYERS | | *4. County McLENNAN |
| *3. Lease Name(s) and RRC Lease Number(s) or T. D. Number(s) ROSS WATER SUPPLY | | *6. Well Number #2 |
| *5. Location (Section, Block, and Survey) | | |

| CASING CEMENTING DATA: | SURFACE CASING | INTER-MEDIATE CASING | PRODUCTION CASING | | MULTI-STAGE CEMENTING PROCESS | |
|---|----------------|----------------------|-------------------|---------------------------|-------------------------------|------------|
| | | | Single String | Multiple Parallel Strings | Tool | Shoe |
| Cementing Date | 2-10-82 | | | | | |
| (a) Size of Drill Bit (Inches) | | | | | | |
| (b) Estimated % Wash or Hole Enlargement Used in Calculations | | | | | | |
| *10. Size of Casing (Inches O.D.) | 8 5/8 | | | | | |
| 1. Top of Liner (If Liner used) (ft.) | | | | | | |
| *12. Setting Depth of Casing (ft.) | 2344' | | | | | |
| *3. Type API Class Cement & Amount of Additives Used: (a) In First (Lead) or Only Slurry (If additional space is needed, use "REMARKS" on reverse side.) | Reg. Poz. | w/H, 4% Added Gel | | | | |
| (b) In Second Slurry | H Neat | | | | | |
| (c) In Third Slurry | | | | | | |
| *4. Sacks of Cement Used: (a) In First (Lead) or Only Slurry | 870 | | | | | |
| (b) In Second Slurry | 50 | | | | | |
| (c) In Third Slurry | | | | | | |
| (d) Total Sacks of Cement Used | 920 | | | | | |
| *5. Slurry Volume per Sack of Cement (cu. ft./sack): (a) In First (Lead) or Only Slurry | 1.53 | | | | | |
| (b) In Second Slurry | 1.18 | | | | | |
| (c) In Third Slurry | | | | | | |
| *16. Volume of Slurry Pumped: (cu. ft.) (Item 14 x Item 15) (a) In First (Lead) or Only Slurry | 1331.10 | | | | | |
| (b) In Second Slurry | 59 | | | | | |
| (c) In Third Slurry | | | | | | |
| (d) Total Slurry Volume Pumped (cu. ft.) | 1390.1 | | | | | |
| *7. Calculated Annular Height of Cement Slurry behind Pipe (ft.) | 5679.2 | | | | | |
| *18. Was cement circulated to ground surface (or bottom of cellar) outside casing? (Yes or No) | YES | | | | | |
| CEMENTING TO PLUG AND ABANDON DATA: | PLUG NO. 1 | PLUG NO. 2 | PLUG NO. 3 | PLUG NO. 4 | PLUG NO. 5 | PLUG NO. 6 |
| *19. Cementing Date | | | | | | |
| *20. Size of Hole or Pipe in which Plug Placed (Inches) | | | | | | |
| *21. Depth to Bottom of Tubing or Drill Pipe (ft.) | | | | | | |
| *22. Sacks of Cement Used (each plug) | | | | | | |
| *23. Slurry Volume Pumped (cu. ft.) | | | | | | |
| *24. Calculated Top of Plug (ft.) | | | | | | |
| *25. Measured Top of Plug (if tagged) (ft.) | | | | | | |

(CEMENTING COMPANY AND OPERATOR MUST COMPLY WITH THE INSTRUCTIONS ON REVERSE SIDE HEREOF.)
- OVER -

Designates items to be completed by Operator. Items not so designated shall be completed by Cementing Company.

POPE *Testing* LABORATORIES, Inc.

CONSULTING ANALYTICAL CHEMISTS
AND TESTING ENGINEERS

P. O. BOX 903
DALLAS, TEXAS 75221

FOODS, FEEDS, DAIRY PROD.
WATER, MINCL. ANALYSES
COTTON SEED PRODUCTS
PACKING HOUSE PRODUCTS

OFFICIAL CHEMISTS
WEIGHERS AND INSPECTORS
NATL. COTTONSEED PRODUCTS ASS'N.
NATL. SOYBEAN PROCESSOR'S ASS'N.
REFEREE CHEMISTS
AMERICAN OIL CHEMISTS SOCIETY

Date Rec'd 3-24-82

To: J L Myers Company
Dallas, Tx

Report of Tests on Water

MAR 31 1982

Received From: You

Identification Marks: Ross W.S.C. Well #2 175 GPM @ 544' sampled 3-19-82 after 24 hrs
Total Depth 2400'

Values reported are for minerals in solution

| | Parts Per Million |
|---|-------------------|
| Calcium..... | 4.0 |
| Magnesium..... | 0.5 |
| Iron..... | 0.08 |
| Manganese..... | 0.0 |
| Sodium..... | 234.4 |
| Carbonate..... | 16.8 |
| Bicarbonate..... | 386.1 |
| Sulphate..... | 85.6 |
| Chloride..... | 49.9 |
| Fluoride..... | 1.0 |
| Nitrate..... | 0.0 |
| Phenolphthalein Alkalinity as CaCO ₃ | 14.0 |
| Total Alkalinity as CaCO ₃ | 362.5 |
| Total Hardness as CaCO ₃ | 12.0 |
| Dissolved Residue (TS) Calculated..... | 778.4 |
| Specific Conductance Micromhos/cm..... | 900 |
| pH..... | 8.4 |

RECOMMENDED LIMITS FOR DRINKING WATER (P. P. M.)

| | | | |
|-----------------|------|-------------------|---------|
| Iron | 0.3 | Fluoride | 0.6-1.0 |
| Manganese | 0.05 | Nitrate | 45 |
| Sulphate | 250 | Total Solids..... | 500 |
| Chloride | 250 | | |

POPE TESTING LABORATORIES, Inc.

By *How Hunter*

Lab. No.

30175

MATERIAL SETTING

OWNER: ROSS WATER SUPPLY CORPORATION WELL NO. 2
LOCATION: 2 MILES NORTH ELM MOTT, MCLENNAN COUNTY, TEXAS
DATE: MARCH, 1982

| <u>FROM</u> | <u>TO</u> | <u>AMOUNT</u> | <u>DESCRIPTION</u> |
|-------------|-----------|---------------|--|
| 0 | 2344 | 2344 | 8-5/8" O.D. 28#/ft. T&C casing set and cemented by Halliburton with Poz w/H, 4% Gel added. |
| 2110 | 2160 | 50 | 52 shots - perforation |
| 2182 | 2232 | 50 | 51 shots - perforation |
| 2242 | 2280 | 38 | 39 shots - perforation |

PUMPING TEST

OWNER: ROSS WATER SUPPLY CORPORATION
 LOCATION: 2 MILES NORTH ELM MOTT, MCLENNAN COUNTY TEXAS
 DATE: MARCH, 1982

| DATE & TIME | ORIFICE READING (inches) | GPM | AIRLINE READING (feet) | WATER LEVEL (feet) | COMMENTS |
|----------------|--------------------------------|-----|------------------------------|--------------------------|----------|
|----------------|--------------------------------|-----|------------------------------|--------------------------|----------|

Tested with 60 HP Crown Pump set 639 feet.

3-18-82

| | | | | | |
|------|------|-----|-----|-----|--|
| 1045 | 17.5 | 175 | 114 | 525 | |
| 1100 | 17.5 | 175 | 110 | 529 | |
| 1130 | 17.5 | 175 | 105 | 534 | |
| 1200 | 17.5 | 175 | 105 | 534 | |
| 1230 | 17.5 | 175 | 102 | 537 | |
| 1300 | 17.5 | 175 | 100 | 539 | |
| 1330 | 17.5 | 175 | 100 | 539 | |
| 1400 | 17.5 | 175 | 100 | 539 | |
| 1430 | 17.5 | 175 | 100 | 539 | |
| 1500 | 17.5 | 175 | 100 | 539 | |
| 1530 | 17.5 | 175 | 100 | 539 | |
| 1600 | 17.5 | 175 | 100 | 539 | |
| 1700 | 17.5 | 175 | 100 | 539 | |
| 1730 | 17.5 | 175 | 100 | 539 | |
| 1800 | 17.5 | 175 | 98 | 541 | |
| 1830 | 17.5 | 175 | 98 | 541 | |
| 1900 | 17.5 | 175 | 98 | 541 | |
| 1930 | 17.5 | 175 | 98 | 541 | |
| 2000 | 17.5 | 175 | 95 | 544 | |
| 2030 | 17.5 | 175 | 95 | 544 | |
| 2130 | 17.5 | 175 | 95 | 544 | |
| 2200 | 17.5 | 175 | 95 | 544 | |
| 2230 | 17.5 | 175 | 95 | 544 | |
| 2300 | 17.5 | 175 | 95 | 544 | |
| 2330 | 17.5 | 175 | 95 | 544 | |
| 2400 | 17.5 | 175 | 95 | 544 | |
| 2430 | 17.5 | 175 | 95 | 544 | |

Static before start up
 220 or 419.
 Clear - no sand

3-19-82

| | | | | | |
|------|------|-----|----|-----|--|
| 0100 | 17.5 | 175 | 95 | 544 | |
| 0130 | 17.5 | 175 | 95 | 544 | |
| 0200 | 17.5 | 175 | 95 | 544 | |
| 0230 | 17.5 | 175 | 95 | 544 | |
| 0300 | 17.5 | 175 | 95 | 544 | |
| 0330 | 17.5 | 175 | 95 | 544 | |
| 0400 | 17.5 | 175 | 95 | 544 | |
| 0430 | 17.5 | 175 | 95 | 544 | |
| 0500 | 17.5 | 175 | 95 | 544 | |

J. L. MYERS COMPANY
NEW PUMP INSTALLATION

Owner ROSS WATER SUPPLY CORPORATION

Well No. 2

Job No. 1056-81

Date Installed APRIL 5, 1982

Date Started _____

Pump: Make CROWN

Size 6M 250

Stages 12

S/N 1094

Date/Code _____

Motor: Make FRANKLIN

Size _____

HP 60

Volts 480

Amps 89/95

S/N 231026102

Code _____

Other _____

Column: Size 4"

Length 770 ft.

Check Valves 4"

Pick up Nipple _____

Head: Size _____

Discharge _____

Cable: Size #2

Length 780 ft.

Airline: Size & type 1/4" copper

Length 770 ft.

Starter: Make _____

Size _____

Model No. _____

Fuse/CB _____

Heater _____

Time Delay _____

Water Level: Static _____

Pumping level _____

GPM _____

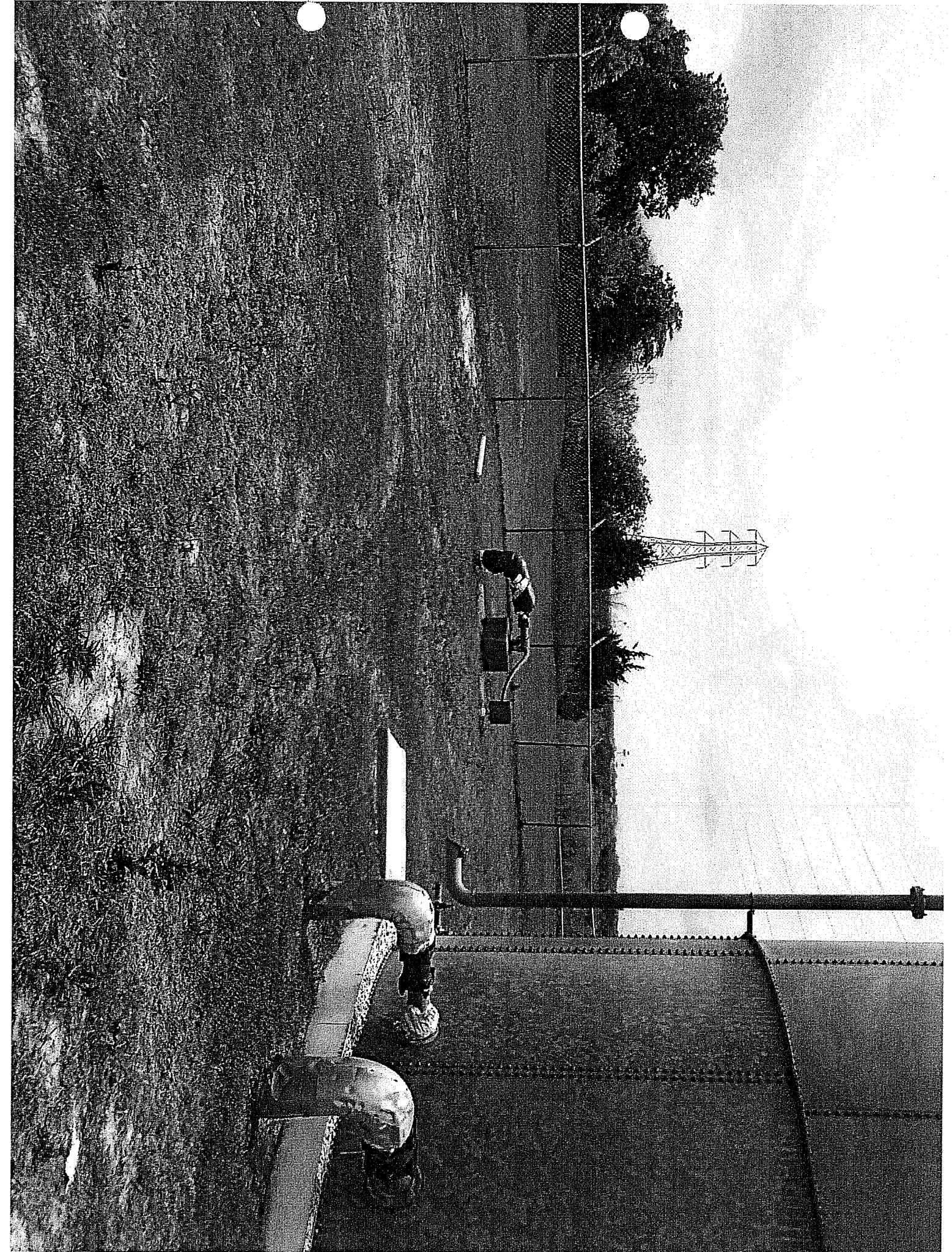
Time _____

Electrical: Voltage _____

Amps _____

Installer: _____

Remarks: _____



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

| | | | |
|--|------------|-----------------------|------------------|
| 1. Applicant Name: Ross Water Supply Corporation | | | |
| 2. Well Identifier or Well Name: Well #3 | | | |
| 3. System Name: Ross Water Supply Corporation | | | |
| 4. TCEQ System ID Number: G1550042C | | | |
| 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: 4024104 | | | |
| 7. Aquifer(s) or formations in which the well is screened: Trinity | | | |
| 8. Address of the property upon which the well is located: 3545 N Katy Rd Elm Mott, TX 76640 | | | |
| 9. Well Location: | Latitude: | 31 D | 42 M 53 S |
| | Longitude: | 97 D | 07 M 04 S |
| 10. Identify any surface water, including lakes or rivers within 1,000 feet of the well: none | | | |
| 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: 1994 Year well completed and operational: 1994 | | | |
| 15. Pump Information: Pump Make and Model: Goulds 125 HP Franklin Motor | | | |
| 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: 10 3/4 inches Inside diameter of column pipe: 6 inches | | | |
| 16. The maximum rate at which water can be withdrawn from the well: 380 gpm | | | |
| 17. Flow Meter Make and Model: Sensus | | | |
| Serial Number: 944537 | | Meter Units: 1000 gpm | |
| Meter reading end of 2008: Amount: 71800 | | Units: 1000 gal | Date: 12/31/2008 |
| Meter reading end of 2009: Amount: 18720 | | Units: 1000 gal | Date: 12/31/2009 |

ROSS W.S.C. WELL #3

WELL SUMMARY

2324 AS OF 08-27-96

WELL DEPTH: 2.376'

CASING: 10 3/4" - 2.376' J-55 40.50 LB A.P.I. T & C

HOLE DIAMETER: 14 3/4"

PUMP: GOULDS 7CLC - 11 STAGE DUCTILE IRON BOWLS

MOTOR: 460 VOLT 3 PHASE FRANKLIN MOTOR 125 HP

COLUMN PIPE: 5 1/2" O.D. A-53 GRADE B L-T&C 1.286'

CHECK VALVES: 2 - 5 1/2" CHECKS

AIR LINE: 2 - 5/16" AIRLINE 1.287'

CABLE: 250MCM JACKETED CABLE WITH GROUND 1.337'

WATER BACTERIOLOGY
Form No. G-19 (Rev. 2/93)

Texas Department of Health
Bureau of Laboratories

Date and Time Rec'd.

30397

Date

10-11-94

Sample No.

Reported

Do not mark above this line — Please print with ballpoint pen or typewriter.

15500000

Water System I.D. No.

Public Water Supply

NAME OF WATER SYSTEM

Waco

POINT OF COLLECTION

McLennan

COUNTY

Submitter I.D. No.

SEND

NAME

RESULTS

11/10/94

STREET ADDRESS (P.O. Box)

TO:

Waco TX

TX

76707

CITY ZIP CODE

Date and Time of Collection

10/10/94

10:00 AM

WCK

COLLECTED BY

TYPE OF SYSTEM

Public

Dairy

Distribution

SAMPLE IS

(Public Systems Only)

Raw

WATER SOURCE

River Lake

Individual Bottled

Construction Repeat

Well Well Depth 237

School

Special - new well

Chlorine Residual

Ownership or other information:

LABORATORY REPORT (Do not write below)

Water of satisfactory bacteriological quality must be free from Coliform organisms

Coliform Organisms Not Found

Found

LABORATORY

Total coliform group

Escherichia coli

WACO-McLENNAN COUNTY

Repeat samples required

PUBLIC HEALTH DISTRICT

Unsuitable — See below

225 WEST WACO DRIVE

WACO, TEXAS 76707

UNSUITABLE FOR ANALYSIS — PLEASE RESUBMIT

Sample too old. Sample not received within 30 hours of collection

Quantity insufficient for analysis (100 ml. required)

Date discrepancy or form incomplete (See encircled item)

LABORATORY Heavy (still bacterial growth) present, compromising test results

Leaked in transit

Other

WACO-McLENNAN COUNTY

PUBLIC HEALTH DISTRICT

225 WEST WACO DRIVE

WACO, TEXAS 76707

WATER BACTERIOLOGY
Form No. G-19 (Rev. 2/53)

Texas Department of Health
Bureau of Laboratories

Date and Time Rec'd. 30451 Date Reported 10-15-64
Sample No.

Do not mark above this line — Please print with ballpoint pen or typewriter.

Water System I.D. No. 1155101042 NAME OF WATER SYSTEM RIOSSI WATER SUPPLY CO. INC.

POINT OF COLLECTION WELLS HEAD COUNTY MCLENNAN

Submitter I.D. No. _____

SEND WATTS DELIVERING CO.
NAME

RESULTS 11431101 HWY 13775
STREET ADDRESS (P.O. Box)

TO: EH. MORRIS TX 76714
CITY ZIP CODE

Date and Time of Collection 10/11/64 10:00 AM COLLECTED BY WCA
MONTH DAY YEAR TIME AM/PM

TYPE OF SYSTEM (Public Systems Only) WATER SOURCE
 Public Dairy Distribution Raw River Lake
 Individual Bottled Construction Repeat Well Well Depth 2397'
 School Special - Drill Well Chlorine Residual _____

Ownership or other information: _____

LABORATORY REPORT (Do not write below)

Water of satisfactory bacteriological quality must be free from Coliform organisms

Coliform Organisms Not Found

LABORATORY Found Total coliform group
WACO-MCLENNAN COUNTY Escherichia coli
PUBLIC HEALTH DISTRICT Repeat samples required
225 WEST WACO DRIVE Unsatisfactory — See below
WACO, TEXAS 76707

UNSUITABLE FOR ANALYSIS - PLEASE RESUBMIT

- Sample too old. Sample not received within 30 hours of collection
- Date discrepancy or form incomplete (See encircled item)
- Leaked in transit
- Other
- Quantity insufficient for analysis (100 ml. required)
- Heavy (silv/bacterial growth) present, possibly compromising test results

WATER BACTERIOLOGY
Form No. G-19 (Rev. 2/93)

Texas Department of Health
Bureau of Laboratories

Date and Time Rec'd. 30495 Date Reported 10-13-94

Sample No. _____ Do not mark above this line — Please print with ballpoint pen or typewriter.

Water System I.D. No. 155101412 NAME OF WATER SYSTEM Rick's Water Supply Co

POINT OF COLLECTION Well Head COUNTY McLennan

Submitter I.D. No. _____

SEND NAME Watts Dialing Co

RESULTS STREET ADDRESS (P.O. Box) 14310 Hwy 379 S

TO: CITY Ft Worth TX ZIP CODE 76126

Date and Time of Collection MONTH 10 DAY 13 YEAR 94 TIME 10:30 AMPM A COLLECTED BY WCK

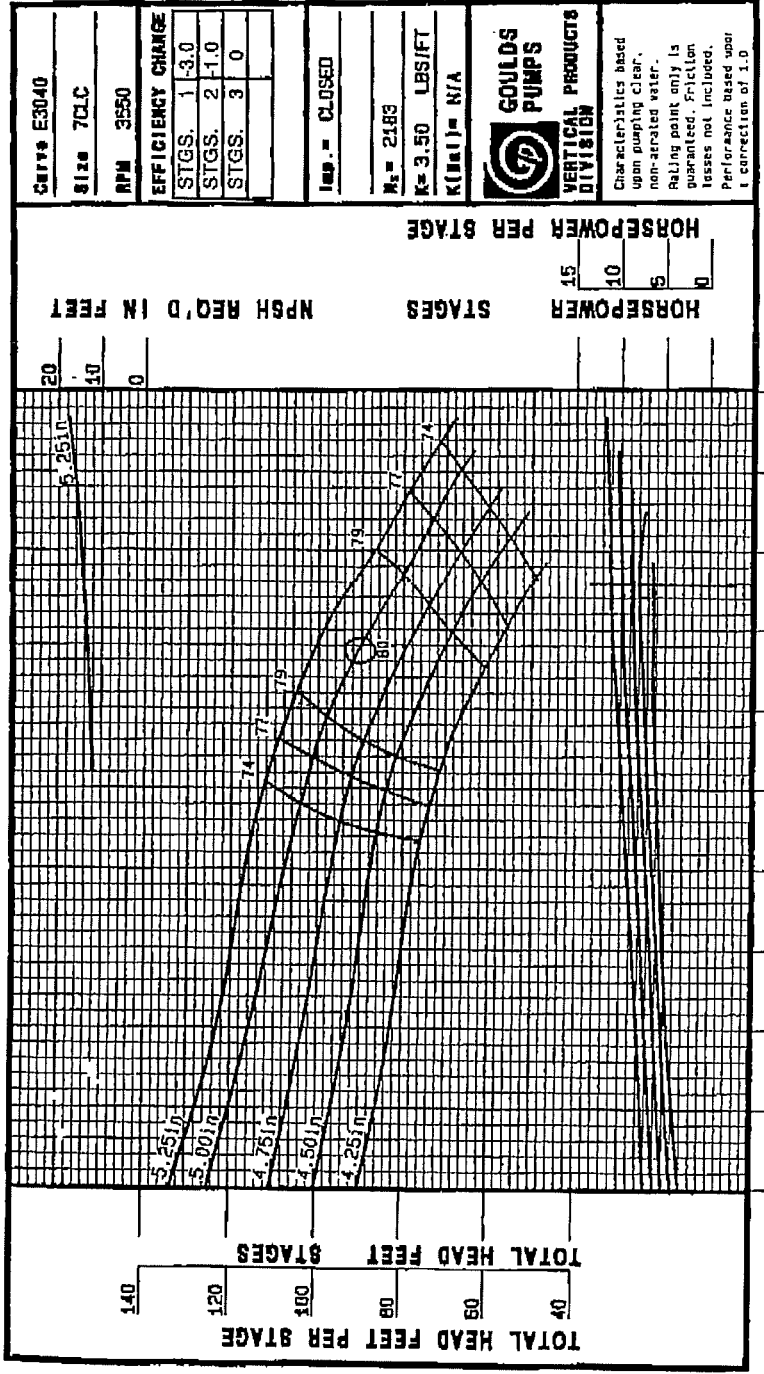
TYPE OF SYSTEM Public Dairy Distribution Flow River Lake
 Individual Bottled Construction Repeat Well Well Depth 239'
 School Special (McLennan) Chlorine Residual _____

Ownership or other information: _____

LABORATORY REPORT (Do not write below)
Water of satisfactory bacteriological quality must be free from Coliform organisms
Coliform Organisms Not Found Found
 Total coliform group
 Escherichia coli
 Repeat samples required
 Unsubtable — See below

UNSUITABLE FOR ANALYSIS — PLEASE RESUBMIT
 Sample too old. Sample not received within 30 hours of collection Quantity insufficient for analysis (100 ml. required)
 Date discrepancy or form incorrect (See encircled item) Heavy (ill/bacterial growth) present, possibly compromising test results
 Leaked in transit **LABORATORY**
 Other **WACO-McLENNAN COUNTY**
PUBLIC HEALTH DISTRICT
225 WEST WACO DRIVE
WACO, TEXAS 76707

| | | | | | |
|---------|-------------|-------------------|-----------|----------|----------|
| PROJECT | INQUIRY NO. | CUSTOMER P.O. NO. | P.O. DATE | ITEM NO. | CUSTOMER |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |



PAGE
5C7.1A
 DATE
 April, 1993
 SUPERCEDES
 NEW

GOULDS PUMPS
 VERTICAL PRODUCTS DIVISION

Characteristics based upon pumping clear, non-aerated water. Rating point only is guaranteed. Friction losses not included. Performance based upon 1 correction of 1.0

Ross W.S.C. Well #3

WATTS DRILLING CO.

| TIME | PUMPING LEVEL | GPM | TEMPERATURE |
|------|-------------------|-----|-------------|
| 8:15 | 777' | 100 | 116 |
| 8:15 | SHUT DOWN TESTING | | |

END OF 36 HOUR TEST

Tom Watts 2457 W.I.
WITNESSED BY:

RECOVERY: DATE 08-14-94

| TIME | WATER LEVEL |
|------|-------------|
| 8:20 | 692' |
| 8:30 | 692' |
| 8:40 | 692' |
| 9:00 | 692' |

GAMMA LOG

WATTS DRILLING CO.

ROSS W.S.C. WELL #3

36 HOUR WATER PRODUCTION TEST

WELL DEPTH: 2,376'
 PUMP SETTING: 1,012'
 STATIC WATER LEVEL: 686'
 MEASURING DEVICE: 4" FLOW METER

2ND PUMP TEST
 AFTER RE-PERFORATING

=====

DATE: 08-15-94

| TIME | PUMPING LEVEL | GPM | TEMPERATURE |
|------------|-------------------------|-----|-------------|
| 2:18 P.M. | 852' | 230 | |
| 2:30 | 852' | 230 | |
| 3:11 | 852' | 230 | 116 |
| 3:45 | 867' | 220 | 116 |
| 4:40 | SHUT DOWN AND BACK WASH | | |
| 5:09 | START-UP | | |
| 5:25 | 852' | 230 | 116 |
| 5:50 | 864' | 230 | 116 |
| 6:00 | 872' | 220 | 116 |
| 6:15 | 872' | 220 | 116 |
| 6:45 | 872' | 220 | 116 |
| 7:15 | 872' | 220 | 116 |
| 7:45 | 874.5' | 215 | 116 |
| 8:15 | 874.5' | 215 | 116 |
| 8:45 | 877' | 215 | 116 |
| 9:15 | 877' | 215 | 116 |
| 9:45 | 877' | 215 | 116 |
| 10:15 | 877' | 210 | 116 |
| 10:45 | 877' | 210 | 116 |
| 11:15 | 837' | 150 | 116 |
| 11:45 | 837' | 150 | 116 |
| 08-14-94 | | | |
| 12:15 A.M. | 837' | 150 | 116 |
| 12:45 | 837' | 150 | 116 |
| 1:00 | 837' | 150 | 116 |
| 2:00 | 837' | 150 | 116 |
| 3:00 | 837' | 150 | 116 |
| 4:00 | 837' | 150 | 116 |
| 5:00 | 837' | 150 | 116 |
| 6:00 | 837' | 150 | 116 |
| 7:00 | 837' | 150 | 116 |
| 7:15 | | 100 | |
| 7:45 | 787' | 100 | 116 |
| | 777' | 100 | 116 |

WATTS DRILLING CO.

| <u>TIME</u> | <u>PUMPING LEVEL</u> | <u>GPM</u> | <u>TEMPERATURE</u> |
|-------------|--------------------------|------------|--------------------|
| 2:45 | 771' | 50 | 116 |
| 3:15 | 771' | 50 | 116 |
| | | 100 | |
| 3:45 | 861' | 100 | 116 |
| 4:15 | 871' | 100 | 116 |
| 4:45 | 871' | 100 | 116 |
| 5:15 | 881' | 100 | 116 |
| 5:45 | 881' | 100 | 116 |
| 6:15 | 881' | 100 | 116 |
| | | 120 | |
| 7:15 | 901' | 120 | 116 |
| 7:45 | 901' | 120 | 116 |
| 8:15 | 901' | 120 | 116 |
| 8:45 | 901' | 120 | SHUTDOWN |

END OF 36 HOUR TEST

Tom Watts 2457 W.I.
WITNESSED BY:

RECOVERY: DATE 07-19-94

| <u>TIME</u> | <u>WATER LEVEL</u> |
|-------------|--------------------|
| 8:50 | 735' |
| 8:55 | 692' |
| 9:00 | 686' |
| 9:05 | 686' |
| 9:10 | 686' |

WATTS DRILLING CO.

ROSS W.S.C. WELL #3

36 HOUR WATER PRODUCTION TEST

WELL DEPTH: 2,376'
 PUMP SETTING: 906'
 STATIC WATER LEVEL: 686'
 MEASURING DEVICE: 4" FLOW METER

=====

DATE: 07-18-94

| <u>TIME</u> | <u>PUMPING LEVEL</u> | <u>GPM</u> | <u>TEMPERATURE</u> |
|-------------|--------------------------|------------|--------------------|
| 8:00 P.M. | START-UP AND BACK WASH | | |
| 8:30 | PUMP CLEAR AND SHUT DOWN | | |
| 9:00 | START-UP AND BACK WASH | | |
| 9:12 | CLEAR AND SHUT DOWN | | |
| 9:30 | START-UP AND BACK WASH | | |
| 9:58 | CLEAR AND SHUT DOWN | | |
| START TEST | | | |
| 10:00 P.M. | STATIC WATER LEVEL 686' | | 96 |
| 10:30 | 841' | 220 | 96 |
| 11:00 | 853' | 200 | 96 |
| 11:30 | 860' | 200 | 96 |

07-19-94

| | | | |
|------------|------|-----|-----|
| 12:00 A.M. | 865' | 200 | 96 |
| 12:30 | 871' | 190 | 116 |
| 1:00 | 872' | 180 | 116 |
| 1:30 | 877' | 170 | 116 |
| 2:00 | 882' | 160 | 116 |
| 2:30 | 887' | 150 | 116 |
| 3:00 | 887' | 150 | 116 |
| 4:00 | 900' | 140 | 116 |
| 5:00 | 900' | 140 | 116 |
| 6:00 | 900' | 140 | 116 |
| 7:00 | 900' | 140 | 116 |
| 8:00 | 900' | 140 | 116 |
| 9:00 | 900' | 140 | 116 |
| 10:00 | 900' | 140 | 116 |
| 11:00 | 900' | 140 | 116 |
| 12:00 P.M. | 900' | 140 | 116 |

PERFORMED STEP TEST AT CAPACITIES OF 50GPM, 100GPM AND 120GPM

| | | | |
|-------|------|----|-----|
| 1500' | 761' | 50 | 116 |
| 1515' | 767' | 50 | 116 |
| 1545' | 771' | 50 | 116 |
| 2315' | 771' | 50 | 116 |

**State of Texas
WELL REPORT**

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

1) OWNER ROSS WATER SUPPLY CORP. #3 ADDRESS P.O. BOX 20 ROSS, TX. 76684
(Name) (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL: ROULEHAN 1/4 miles in S direction from ROSS, TX.
County (Town)

Driller must complete the legal description below 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-Scale 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): <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging | 4) PROPOSED USE (Check): <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Monitor <input checked="" type="checkbox"/> Public Supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Test Well <input type="checkbox"/> Injection <input type="checkbox"/> De-Watering | 5) DRILLING METHOD (Check): <input checked="" type="checkbox"/> Mud Rotary <input type="checkbox"/> Air Hammer <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input type="checkbox"/> Air Rotary <input type="checkbox"/> Cable Tool <input type="checkbox"/> Other _____ |
|--|--|--|

| | | |
|---|---|---|
| 6) WELL LOG: Date Drilling: <u>6/18/84</u> Started <u>10/18/84</u> Completed _____ | DIAMETER OF HOLE Dia. (In.) From (ft.) To (ft.) <u>16"</u> _____ <u>20</u> <u>10 3/4"</u> <u>2' above</u> <u>2376'</u> | 7) BOREHOLE COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Straight Wall <input type="checkbox"/> Underreamed <input type="checkbox"/> Gravel Packed <input type="checkbox"/> 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: Dia. (In.) New or Used Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., If commercial Setting (ft.) From To Gage Casting Screen |
| <u>0 18 RED CLAY & CALICHE</u> | <u>16" N STEEL</u> |
| <u>18 300 GRAY SHALE & SILTY</u> | <u>20' 20'</u> |
| <u>300 723 DARK GRAY SHALE</u> | <u>10 3/4" N J-55 CAS 40-50 lb. REPORT PIPE</u> |
| <u>723 1050 GRAY SHALE & LIME</u> | <u>21' above 84' level 2376'</u> |
| <u>1050 2060 LIME & STREAKS OF GRAY SHALE</u> | |
| <u>2060 2360 SAND</u> | |
| <u>2360 2397 LIME</u> | |

9) CEMENTING DATA [Rule 287.44(1)]
Cemented from 2376' ft. to 2428' ft. No. of Sacks Used 1203
Method used PRESSURE CEMENTED
Cemented by HALLIBURTON CO.

10) SURFACE COMPLETION
 Specified Surface Slab Installed [Rule 287.44(2)(A)]
 Specified Steel Sleeve Installed [Rule 287.44(3)(A)]
 Pitless Adapter Used [Rule 287.44(3)(B)]
 Approved Alternative Procedure Used [Rule 287.71]

11) WATER LEVEL: 686 ft. below land surface Date 8/13/94
Artesian flow _____ gpm. Date _____

12) PACKERS: Type _____ Depth _____
NONE

13) TYPE PUMP:
 Turbine Jet Submersible Cylinder
 Other _____
Depth to pump bowls, cylinder, jet, etc., 1286 ft.

14) WELL TESTS: XXXXXX
Type Test: XX Pump Bailor Jetted Estimated
Yield: 200 gpm with 188 ft. drawdown after 24 hrs.

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

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME WATTS DRILLING CO. WELL DRILLER'S LICENSE NO. 2457WI
(Type or print)

ADDRESS 14310 HWY. 377 SOUTH FORT WORTH, TEXAS 76126
(Street or RFD) (City) (State) (Zip)

(Signed) TIM WATTS (Licensed Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available. For TNRCC use only: Well no. _____ Located on map _____

POPE *Testing* LABORATORIES, Inc.

CONSULTING ANALYTICAL CHEMISTS
AND TESTING ENGINEERS

P. O. BOX 903
DALLAS, TEXAS 75221
AC 214 742-8491

August 16, 1994

OFFICIAL CHEMISTS
WEIGHERS AND INSPECTORS
NATL. COTTONSEED PRODUCTS ASSN
REFRAC. CHEMISTS
AMERICAN OIL CHEMISTS SOCIETY

AG. FEEDS, DAIRY PRODUCTS
MISCL. ANALYSES
ON FIBER PRODUCTS
ING HOUSE PRODUCTS

Rec'd.: 8-15-94

Watts Drilling Company
14310 Highway 377 South
Fort Worth, Texas 76126

Report of Tests on: Water

Identification Marks: Ross WSC Well #3

Values reported are for minerals in solution

| | mg/L |
|---|-------|
| Calcium ----- | 3.2 |
| Magnesium ----- | 0.9 |
| Iron ----- | 0.22 |
| Manganese ----- | 0.0 |
| Sodium ----- | 250.6 |
| Carbonate ----- | 12.0 |
| Bicarbonate ----- | 412.4 |
| Sulfate ----- | 89.2 |
| Chloride ----- | 74.9 |
| Fluoride ----- | 0.0 |
| Nitrate ----- | 0.0 |
| Phenolphthalein Alkalinity as CaCO3 ----- | 10.0 |
| Total Alkalinity as CaCO3 ----- | 358.0 |
| Total Hardness as CaCO3 ----- | 11.6 |
| Dissolved Residue (TS) Calculated ----- | 844.3 |
| Specific Conductance Micromhos/cm ----- | 1250 |
| pH ----- | 8.3 |

Respectfully submitted,
POPE TESTING LABORATORIES, INC.

Leon Hunter
Leon Hunter

POPE *Testing* LABORATORIES, Inc.

CONSULTING ANALYTICAL CHEMISTS
AND TESTING ENGINEERS

LAB. CHAIR PRODS
OF ANALYSES
LD PRODUCTS
HOUSE PRODUCTS

P. O. BOX 903
DALLAS, TEXAS 75221
AD 214 742-8401

OFFICIAL CHEMISTS
WEIGHERS AND INSPECTORS
L.A.T.L. CERTIFIED PROPERTY ANALYSTS
REFERENCE CHEMISTS
AMERICAN OIL CHEMISTS SOCIETY

July 25, 1994

Rec'd: 7-21-94

Watts Drilling Company
14310 Highway 377 South
Ft Worth, TX 76126

Report of Test on: Water

Identification Marks: Ross Water Supply Corp. Well #3

| | mg/L |
|---|-------|
| Calcium ----- | 3.2 |
| Magnesium ----- | 0.9 |
| Iron ----- | 0.25 |
| Manganese ----- | 0.04 |
| Sodium ----- | 234.4 |
| Carbonate ----- | 21.6 |
| Bicarbonate ----- | 412.4 |
| Sulfate ----- | 73.7 |
| Chloride ----- | 50.0 |
| Fluoride ----- | 0.9 |
| Nitrate ----- | 0.0 |
| Phenolphthalein Alkalinity as CaCO3 ----- | 18.0 |
| Total Alkalinity as CaCO3 ----- | 374.0 |
| Total Hardness as CaCO3 ----- | 11.6 |
| Dissolved Residue (TS) Calculated ----- | 797.4 |
| Specific Conductance Micromhos/cm ----- | 1,000 |
| pH ----- | 8.8 |

Respectfully submitted,
POPE TESTING LABORATORIES, INC.

Leon Hunter

Lab No. 67317

1 of 2

ROSS WATER
SUPPLY
Well #3
3545 N. Katy Road
254-829-1289
Emergency #
254-749-3788

