

AFFIDAVIT

THE STATE OF TEXAS §

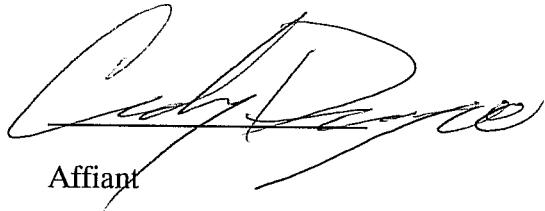
§

COUNTY OF MCLENNAN §

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

“My name is Cody Drago. 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 **HUPP-2010-046.**”


Affiant

Sworn to and subscribed before me on this 27th day of Sept, 2010.

Karen McCullough
Notary Public in and for the State of Texas



Southern Trinity GCD

From: Kem368@aol.com
Sent: Friday, October 01, 2010 11:39 AM
To: southerntrinitygcd@att.net
Cc: hogwild566@yahoo.com; dragoofarms@yahoo.com
Subject: Cottonwood WSC

Attached is the amended application. We will amend and use the daily records submitted by our operator.

Thanks and if you have any further questions, please let me know.
Karen McCullough
Cottonwood Water Supply Corporation

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: Cottonwood Water Supply Corporation			
Physical Address: Well Site - North Czech Hall Road			
City: West	State: Texas	Zip Code: 76691	
Mailing Address, (if different): P.O. Box 569			
City: West	State: Texas	Zip Code: 76691	
Daytime Telephone Number: Fax: 254-716-2865 or 254-826-7737			
Email Address (if any): kem368@aol.com			
2. Name of Authorized Agent (if any): Cody Dragoo			
Position: President			
Physical Address:			
City:	State:	Zip Code:	
Mailing Address (if different): P.O. Box 569			
City: West	State: Texas	Zip Code: 76691	
Daytime Telephone Numbers of Authorized Agent: 254-709-9931 Fax:			
Email for Authorized Agent (if any):			
<div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; font-weight: bold;">RECEIVED</p> <p style="text-align: center; font-size: small;">For District Use Only</p> <p style="text-align: center;">MAY 03 2010</p> <p style="text-align: center; font-size: x-small;">Date Application Received:</p> <p style="text-align: center; font-size: x-small;">BY: <i>[Signature]</i></p> </div> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; font-weight: bold;">RECEIVED</p> <p style="text-align: center; font-size: small;">MAY 03 2010</p> <p style="text-align: center; font-size: x-small;">Date Admin. Fee Received:</p> <p style="text-align: center; font-size: x-small;">BY: <i>[Signature]</i></p> </div> </div>			
			Amount of Fee:

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): Domestic Public Water

4. Purpose of Future Use: Same

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: 198

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: 21,569,600

Units: Gallons

Year: 2009

20,820,700
 see line no. 13

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: 21,569,600 20,820,700	Units: Gallons
2008	Amount: 16,628,900	Units: Gallons
2007	Amount: 16,511,500	Units: Gallons
2006	Amount: 20,426,500	Units: Gallons
2005	Amount: 17,455,600	Units: Gallons
2004	Amount:	Units:
2003	Amount:	Units:
2002	Amount:	Units:
2001	Amount:	Units:
2000	Amount:	Units:

9-30-10 KMA

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



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

HISTORIC USE PRODUCTION PERMIT

THIS CERTIFIES THAT: Cottonwood Water Supply Corporation
P.O. Box 569
West, Texas 76691
Phone: 254-716-2865

(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: **66.1947 acre-feet per calendar year**. This groundwater withdrawal amount has been calculated pursuant to Section 5.211 of the District's rules. It may be subject to proportional adjustment pursuant to Chapter 5, Subchapter B of the District's rules, as may be amended.

5 Purpose of Use

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

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

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

<u>Name</u>	<u>Location (latitude/longitude)</u>	<u>Maximum Flow Rate</u>
Well # 1	N31D 49M 54S / W97D 02M 46S	145

7 Measurement of Amount of Groundwater Withdrawn

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

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

8 Place of Use

Permittee may beneficially use Aquifer groundwater only within the Permittee's wholesale or retail water service area identified in the Certificate of Convenience and Necessity 10015, 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

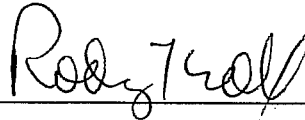
Any reference in this permit to a statute, rule, or other law of any kind, that exists on the date of issuance of the permit includes all subsequent amendments and additions thereto.

27 Other Matters Denied

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

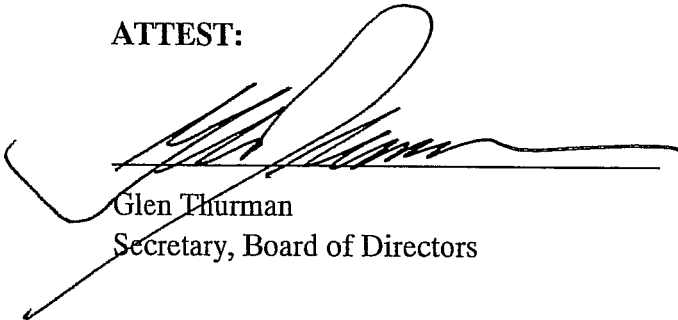
**SOUTHERN TRINITY GROUNDWATER CONSERVATION DISTRICT
COUNTY OF MCLENNAN, STATE OF TEXAS**

THIS PERMIT IS ISSUED, EXECUTED THIS 6th day of October, 2010, by the Board of Directors of the Southern Trinity Groundwater Conservation District.



Rodney Kroll,
President, Board of Directors

ATTEST:

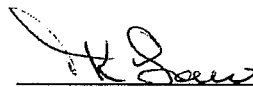

Glen Thurman
Secretary, Board of Directors

ACKNOWLEDGMENT

STATE OF TEXAS)

COUNTY OF MCLENNAN)

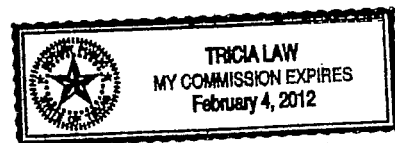
ON BEHALF OF THE DISTRICT, THIS PERMIT WAS ACKNOWLEDGED before me on October 6, 2010, by Rodney Kroll, President, Board of Directors, Southern Trinity Groundwater Conservation District, a groundwater conservation district created pursuant to Article XVI, Section 59, Texas Constitution.



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

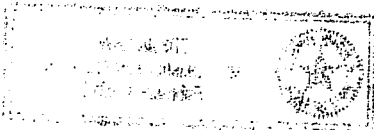
J.A. Andy Harwell

October 15, 2010 11:17:40 AM

2010032276

FEE: \$27.00

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



Southern Trinity GCD

From: Southern Trinity GCD [southerntrinitygcd@att.net]
Sent: Monday, September 27, 2010 10:24 AM
To: Kem368@aol.com
Subject: RE: Cottonwood WSC

Hi Karen,
 Just checking to make sure you recieved the Permit packet we sent last week. I need for you to sign and notarize the enclosed affidavit and return it to me ASAP. If you have any questions you can call me at 759-5610.
 Thanks,
 Tricia

-----Original Message-----

From: Kem368@aol.com [mailto:Kem368@aol.com]
Sent: Wednesday, September 22, 2010 1:08 PM
To: southerntrinitygcd@att.net
Cc: hogwild566@yahoo.com; dragoofarms@yahoo.com; crystal_mynar@hotmail.com
Subject: Re: Cottonwood WSC

Tricia - I will forward this to our operator and get back with you.
 Thank you,
 Karen

In a message dated 9/22/2010 10:46:17 A.M. Central Daylight Time, southerntrinitygcd@att.net writes:

-----Original Message-----

From: Southern Trinity GCD [mailto:southerntrinitygcd@att.net]
Sent: Wednesday, September 22, 2010 10:40 AM
To: Southern Trinity GCD
Subject: RE: Cottonwood WSC

Karen,
 I have reviewed the items you sent and the only thing that I still need is Daily Production Logs (well readings) from the year 2009 to back up line 12 in the amount of 21,569,600. Please call me if you have any questions. 759-5610
 Thanks,
 Tricia

-----Original Message-----

From: Southern Trinity GCD [mailto:southerntrinitygcd@att.net]
Sent: Wednesday, September 22, 2010 10:36 AM
To: Kem368@aol.com
Subject: RE: Cottonwood WSC

Karen,
 Just came from the post office with your package. It was sitting somewhere in the back waiting for someone to fill out the paperwork...since August!!! Thanks for tracking it down. I tried to call the office number on your application (826-7737) and got a message that this is not a working number is there another number?

Thanks,
Tricia

-----Original Message-----

From: Kem368@aol.com [mailto:Kem368@aol.com]
Sent: Tuesday, September 21, 2010 5:43 AM
To: southerntrinitygcd@att.net
Cc: dragoofarms@yahoo.com; hogwild566@yahoo.com;
crystal_mynar@hotmail.com
Subject: Re: Cottonwood WSC

I have not received a response.

Tricia - do I need to email the package to you?
Did you check with the post office about this package?
Thank you, Karen McCullough

In a message dated 9/17/2010 9:04:58 P.M. Central Daylight Time,
Kem368@aol.com writes:

Tricia - I have researched the package sent to STGCD.

This was sent Certified Mail - Return Receipt
Requested #7009-3410-0000-2264-1551.

I mailed it at the Main Post Office in Waco.

Please see attached tracking information. The post office (76703) states that it attempted to deliver your package at 11:30 on August 26, 2010 and a notice was left. It was sent to Southern Trinity GCD at P.O. Box 2205, Waco, Texas 76703 as shown on the attached transmittal letter. We have not received the return receipt nor the package.

Can you check with your post office and see if they have it??

Do I need to re-mail it, hand deliver, or email the documents again??

Please let us know what we need to do.

Thank you,

Karen McCullough
Cottonwood Water Supply Corporation

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**Can you check with your post office and see if they have it??
Do I need to re-mail it, hand deliver, or email the documents again??**

Please let us know what we need to do.

Thank you,

Karen McCullough
Cottonwood Water Supply Corporation

Southern Trinity GCD

From: Kem368@aol.com
Sent: Friday, September 17, 2010 9:05 PM
To: southerntrinitygcd@att.net
Cc: dragoofarms@yahoo.com; hogwild566@yahoo.com; crystal_mynar@hotmail.com
Subject: Cottonwood WSC

Tricia - I have researched the package sent to STGCD.

This was sent Certified Mail - Return Receipt Requested #7009-3410-0000-2264-1551.

I mailed it at the Main Post Office in Waco.

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Please let us know what we need to do.

Thank you,

Karen McCullough
Cottonwood Water Supply Corporation

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Favorites Walmart Facebook Google

USPS - Track & Confirm



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[Track & Confirm](#) [FAQs](#)

Track & Confirm

Search Results

Label/Receipt Number: 7009 3410 0000 2264 1551

Service(s): Certified Mail™

Status: Notice Left

We attempted to deliver your item at 11:30 am on August 26, 2010 in WACO, TX 76703 and a notice was left. Information, if available, is updated periodically throughout the day. Please check again later.

Track & Confirm

Enter Label/Receipt Number

[Go >](#)

Notification Options

Track & Confirm by email

Get current event information or updates for your item sent to you or others by email [Go >](#)

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Cottonwood Water Supply Corporation

*PO Box 569
West, Texas 76691*



Certified mail – return receipt requested

August 12, 2010

Ms. Tricia K. Law, General Manager
Southern Trinity Groundwater Conservation District
P.O. Box 2205
Waco, Texas 76703

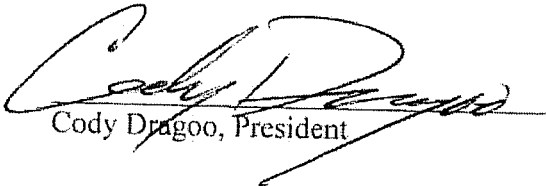
Re: HUPP Application No. HUPP-2010-046

Dear Ms. Law:

In response to your letter dated June 25, 2010, attached are the following documents:

1. Well Logs
2. Deed for Well Site Property
3. Drought Contingency Plan

Thank you,


Cody Dragoo, President

Southern Trinity GCD

From: Kem368@aol.com
Sent: Friday, September 17, 2010 2:07 PM
To: southerntrinitygcd@att.net
Cc: dragoofarms@yahoo.com; hogwild566@yahoo.com
Subject: Cottonwood WSC

Tricia – I received a telephone call from our Board President this afternoon stating that you had informed him that you had not received the final documents (Drought Contingency Plan, Deed, Well Log), from Cottonwood WSC.

I personally sent this package certified mail – return receipt requested to STGCD after our Board Meeting on August 13, 2010.

I am at work right now, but when I get home late this afternoon I will track the package with USPS and check to see if we received the green return receipt yet or not. I will email you afterwards.

**Thank you,
Karen McCullough
Cottonwood Water Supply Corporation**

Cottonwood Water Supply Corporation

PO Box 569

West, Texas 76691



Certified mail – return receipt requested

August 12, 2010

Ms. Tricia K. Law, General Manager
Southern Trinity Groundwater Conservation District
P.O. Box 2205
Waco, Texas 76703

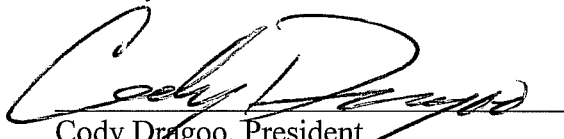
Re: HUPP Application No. HUPP-2010-046

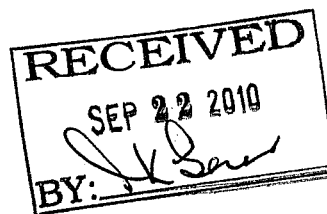
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1. Well Logs
2. Deed for Well Site Property
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Thank you,


Cody Dragoo, President



TWDB Groundwater Database Query Result

REPORTED WATER WELL DATA ON STATE WELL NUMBER = 4016501

Query for another State Well Number:

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

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

Field	Value	*Explanation
STATE WELL NUMBER	4016501	
COUNTY CODE	309	McLennan County, Texas
BASIN	12	Brazos River Basin
PREVIOUS WELL NUMBER		
LATITUDE	314958	DMS (in decimal degrees: 31.832778)
LAT DEC	31.832777	
LONGITUDE	970249	DMS (in decimal degrees: -97.046944)
LONG DEC	-97.046944	
OWNER 1	Cottonwood Water	
OWNER 2	Supply	
DRILLER 1	West-Tex Tool Serv.	
DRILLER 2		
SOURCE OF COORDINATES	1	
AQUIFER CODE	217HSTN	HOSSTON FORMATION
AQUIFER ID1	28	Trinity Aquifer
AQUIFER ID2		
AQUIFER ID3		
ELEVATION	585	feet
ELEVATION MEASUREMENT		

METHOD	M	Interpolated From Topo Map
ALPHA CODE	186950	COTTONWOOD WATER SUPPLY CORP.
DATE DRILLED	02251965	
WELL TYPE	W	Withdrawal of Water
WELL DEPTH	2350	feet
SOURCE OF DEPTH	L	Geophysical Log
TYPE OF LIFT	S	Submersible Pump
TYPE OF POWER	E	Electric Motor
HORSEPOWER		
PRIMARY WATER USE	P	Public Supply
SECONDARY WATER USE		
TERTIARY WATER USE		
WATER LEVEL AVAILABLE	H	Click here for water level data
WATER QUALITY AVAILABLE	Y	Click here for water quality data
WELL LOGS AVAILABLE	E	
OTHER DATA AVAILABLE	A	
DATE COLLECTED OR UPDATED	11021995	
REPORTING AGENCY	01	TWDB or Predecessor Agency
WELL SCHEDULE IN FILE	Y	
CONSTRUCTION METHOD	H	Hydraulic Rotary
COMPLETION	P	Perforated or Slotted
CASING MATERIAL	S	Steel
SCREEN MATERIAL	S	Steel
GMA	8	
RWPA	G	
DISTRICTID	200708GX	

Groundwater Database Disclaimer

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on the sources of information and level of accuracy in the document.

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

Groundwater Database Query Result

REPORTED WATER QUALITY DATA ON STATE WELL NUMBER = 4016501

Query for another State Well Number: _____

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

[Click here to read the TWDB GroundWater Data System Data Dictionary](#) for explanation.

No.	STATE WELL NUMBER	MONTH	DAY	YEAR	SAMPLE NUMBER	SAMPLE TIME	TEMPERATURE CELSIUS	TOP OF SAMPLED INTERVAL	BOTTOM OF SAMPLED INTERVAL	SAMPLED INTERVAL AQUIFER CODE	COLLECTION REMARKS	RELIABILITY REMARK	CY
1	4016501	8	16	1966	1							99	
2	4016501	8	14	1967	1							99	
3	4016501	8	20	1969	1						dist. & Chlor.	02	
4	4016501	8	18	1970	1						dist and chlor.	02	
5	4016501	12	9	1971	1						dist and chlor.	02	
6	4016501	2	5	1973	1						dist and chlor	02	
7	4016501	12	24	1973	1						dist. & Chlor.	02	
8	4016501	6	9	1974	1						dist and chlor	02	
9	4016501	7	6	1975	1						dist and chlor	02	
10	4016501	6	13	1976	1						dist and chlor	02	
11	4016501	4	6	1977	1						dist and chlor.	02	
12	4016501	9	25	1980	1						dist and chlor	02	
13	4016501	3	16	1982	1						distribution & chlorinated	02	
14	4016501	10	24	1985	1						distribution	02	
15	4016501	7	18	1994	1	1335	26						
16	4016501	9	12	1994	1	1500	41					10	

[Go Back](#)

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*This page is maintained by WIID Staff
Last updated on 1/30/2009 9:10:02 AM*

Groundwater Database Query Result

REPORTED WATER LEVEL DATA ON STATE WELL NUMBER = 4016501

Query for another State Well Number:

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

[Click here to read the TWDB GroundWater Data System Data Dictionary](#) for explanation.

No.	STATE WELL NUMBER	PUBLISHABLE/NON-PUBLISHABLE	DEPTH FROM LAND SURFACE	MONTH	DAY	YEAR	MEASUREMENT NUMBER	MEASURING AGENCY	METHOD OF MEASUREMENT	REMARK
1	4016501	P	-182.65	2	23	1965	01	07		
2	4016501	P	-555	4	26	1988	01	01	3	
3	4016501	P	-520.9	2	22	1990	01	01	3	
4	4016501	P	-620	3	20	1991	01	01	1	
5	4016501	P	-614	2	12	1992	01	01	3	
6	4016501	P	-563	2	17	1993	01	01	3	
7	4016501	P	-575.08	2	15	1994	01	01	3	
8	4016501	N		2	21	1995	01	01		48
9	4016501	N		11	2	1995	01	01	3	48

[Go Back](#)

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*This page is maintained by WIJD Staff
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Groundwater Database Query Result

REPORTED WELL CASING DATA ON STATE WELL NUMBER = 4016501

Query for another State Well Number:

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

[Click here to read the TWDB GroundWater Data System Data Dictionary](#) for explanation.

No.	STATE WELL NUMBER	CASING/SCREEN INDICATOR*	DIAMETER OF CASING OR SCREEN	TOP DEPTH	BOTTOM DEPTH
1	4016501	C	7	0	2278
2	4016501	S	7	2278	2306
3	4016501	C	7	2306	2312
4	4016501	S	7	2312	2318
5	4016501	C	7	2318	2323
6	4016501	S	7	2323	2342
7	4016501	C	7	2342	2350

*C S O Code Explanation:

C - Casing

S - Screen (including all types of screens or other devices allowing water to enter the well)

O - Open hole (bore hole interval contains neither casing or screen)

[Go Back](#)

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TEXAS DEPARTMENT OF WATER RESOURCES—WATER LEVEL MEASUREMENTS

AS OF
 OLD WELL NUMBER
 COORDINATES
 YR. REC. BEGINS
 LAST CHEMICAL ANALYSIS

Normal
 Publ.
 USGS

STATE WELL NUMBER			LAND SURFACE DATUM ELEVATION							
DEPTH OF WELL			COMPLETION INTERVAL							
DATE OF CURRENT MEASUREMENT	CURRENT DEPTH TO WATER FROM LSD	CHANGE IN LEVEL SINCE THE LAST MEASUREMENT	Measurement Number	DEPTH TO WATER FROM MP	MP	Measuring Agency	Measurement Method	REMARKS	WELL USE	FIELD OBSERVATIONS
2	23	05	182.65							
4	26	88	555.00		0.00	013		1		
2	22	90	520.90		0.00	13		1		used our P.S. gauge
3	20	91	520.00		0.00	13		1		
2	12	92	614.00			13		1		
2	17	93	571.63 563.00		0.00	13		1		137151
2	15	94	575.08	575.08	+0.00	013		1		Used our gauge their not large enough P.S. didn't work
2	2	95						48		
11	2	95				01		48		

AQUIFER _____ 0.00
 WATERSHED _____ A/P
 COUNTY _____

TDWR-0518
 4/0-16-501

Cottonwood WSC
#1

TEXAS WATER COMMISSION
WELL RECORD

Aquifer Hosston Field No. 75-ST-23(E-log) State Well No. 40-16-501
Owner's Well No. #1 County Haskell

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

2. Owner: Cottonwood Water Supply Corp. Rt. 2 West, Texas
Driller: West Texas Tool & Service Co. San Angelo, Texas

3. Elevation of LSP is 585 ft. above sea level, determined by West field Top 1156

4. Drilled: 2-23-65; by Aug. Calks Tool, (Calks)

5. Depth: 2350 ft. Meas. 2350 log.

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

7. Pump Mfg. Type 546
No. Stages, Rods Diam. in., Setting 785 ft. 80 in. 90

8. Motor: Fuel elect. Make & Model, HP.

9. Yields: Flow, GPM, Pump, HP, Meas., Dept., Est.

10. Performance Test: Date 2-23-65 Length of Test, Made by
Static Level 182.15 ft. Pumping Level 306 ft. Discharge, ft.
Production 100 gpm Specific Capacity, gpm/ft.

11. Water Levels: 182.15 2-23-65 Steel C.S.G. which is 3.25 ft. above surface.
555 4-26-65 LED - Pump off 15 min. which is _____ ft. above surface.
_____ 19 below which is _____ ft. above surface.
_____ 19 below which is _____ ft. above surface.

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

13. Quality: (Remarks on tests, odor, sulfur, etc.)

Temp. _____ °F, Date sampled for analysis _____ Laboratory Pope Lab

Temp. _____ °F, Date sampled for analysis 8-14-66 Laboratory TDD

Temp. _____ °F, Date sampled for analysis 12-71 Laboratory TDD

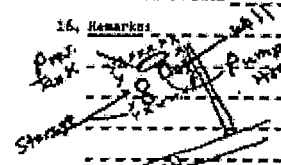
14. Other data available as circled: Driller's Log, Radioactivity Log, Electric Log
Formation Samples, Flowing Test, 75-ST-23

15. Record by: D. Thompson Date 2-23-1965
Source of Data Garland Engr.

16. Remarks:

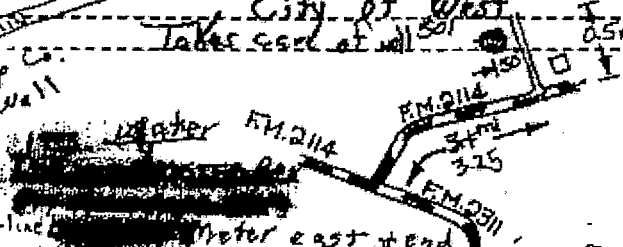
Casing & Blank Pipe			
Diam. (in.)	Type	Setting, ft.	
		From	To
7"	Steel C.S.G.	0	2350

Well Screen			
Diam. (in.)	Type	Setting, ft.	
		From	To
7"	56 SABS	2278	2304
7"	135 HOTS	2312	2318
7"	385 HOTS	2323	2342



George Nors
H2O Syst. for
City of West
Takes care of well

June Pump Co.
Services well



9700(E) 2.75mi
3145(S) 5.6mi

Q-39

Form B-4 (6-2-61)

Meter east end of chain. George Nors gave permission to meas. well 40-16-501 for obs. any time. 4-26-88. Push on double gate to 4016501

Pumping Test PUMPING TEST DATA SHEET

County: McLennan
 Location: Cottonwood

Observation well no. _____
 Pumped well no. 1

Average Q 100 gpm r = _____ ft. r² = _____

Date	Hr.	t (min)	t ² (min)	t/t ²	Depth to Water (Unadj.)	s (Adj.)	s' (adj)	Q gpm	Remarks
2-23-65	2:10				178.90				182.65 e-line 3.75 csg, WL
2-25-65	2:31				182.78				178.90 water level
					test started Pump On				
	2:35p								
	2:36p	1			187.89 191.59				Corrected in red to true - 3.75 csg. WL
	2:38p	3			177.52 201.27				
	3:01p	26			290.07 293.82				
	3:03p	28			291.75 295.50				
	3:10p	35			292.58 296.33				
	3:15p	40			293.04 296.79				
	3:16p	41			293.90 299.65				
	3:19p	44			293.86 297.61				
	3:22p	47			294.27 298.02				
	3:25p	50			295.82 299.47				
	3:28p	53			295.88 299.47				
	3:33p	58			296.68 299.23				
	3:38p	63			296.65 300.40				
	3:45p	70			295.65 299.40				
	3:48p	73			297.09 300.84				
	3:53p	78			303.75 307.50				
	4:03p	88			296.26 300.01				
	4:13p	98			297.64 301.39				
	4:23p	108			297.53 301.28				
	4:33p	118			297.02 300.77				
	4:43p	128			296.84 300.59				Pump adj. to faster rate

B-165 (63-1)

ST40-16-501

✓

Pumping test PUMPING TEST DATA SHEET

County: McLennan
 Location: Cottonwood

Observation well no. _____
 Pumped well no. 1

Average Q 100 gpm r = _____ ft. r₂ _____

Date	Hr	t (min)	t' (min)	t/e'	Depth (ft)	S (unadj.)	S (Adj.)	S' (Adj.)	Q (gpm)	Remarks
2-25-65	4:53	138			301.46					
	5:18	163			305.21					
	5:33	178			305.50					
	5:59	204			309.25					
	6:07	212			306.11					
	6:22	227			309.86					pump adj. @ 6:18
	6:30	235			306.00					
	7:21	286			309.81					pump adj. @ 11:00 pm off twice
2-26-65	8:58a	1124			306.74					
	9:28a	1154			305.86					
	9:56a	1182			309.61					pump off @ 9:44 a.m. back on 9:45 a.m. - butane
	1:19p	1377			305.35					
	2:28p	1446			309.10					
	2:34p	1452			305.38					
	2:35p				309.13					Pump off

B-165 (63-1)

ST 40-16-501

Recovery test

PUMPING TEST DATA SHEET

County : McLennan
 Location: Cotton Wood

Observation well no. _____
 Pumped well no. 1

Average Q 106 gpm r = _____ ft. r₂ = _____

Date	Hr	t	t'	t/t'	Depth to water (ft.)	S (unadj)	S (Adj)	Q gpm	Remarks
2-26-65	2:40p	1458	5	297	181.54 185.29				
	2:42p	1460	7	208.4	187.63 186.38				
	2:43p	1461	8	182.7	184.15 187.70				
	2:45p	1463	10	146.3	181.21 184.96				
	2:47p	1465	12	122	179.84 182.81				
	2:49p	1467	14	104.5	177.87 181.42				
	3:10p	1488	35	42.5	188.68 191.43				
	3:14p	1492	39	38.5	187.72 191.47				
	3:19p	1497	44	34	186.41 190.16				
	3:24p	1502	49	30.7	185.80 189.55				
	3:34p	1512	59	25.6	184.73 189.48				
	3:44p	1522	69	22.1	183.52 187.27				
	3:54p	1532	79	19.8	182.76 186.53				
	4:10p	1548	95	16.28	182.12 185.87				
	4:24p	1562	109	14.51	181.25 185.00				
	4:54p	1592	139	11.48	180.75 183.50				
	5:24p				unable to get reading because casing was hung				

B-165 (63-1)

ST 40-16-501

1 pump out @ 9:4
 Pump on at 9:45

roughly about 9:45

1 pump out @ 3:30

Date & Time	Elapsed Time	Head in inches	Pumping Rate	Submergence of Pump	Drawdown in feet	Notes
2:35 p		29	130	118		
40		24	115	118		
45		24	115	18		
50		24	115	17		
55		24	115	12		
3:00 p		22	110	18		
05		22	110	16		
30		22	110	13		
4:00 p		22	105	12		
5:00		21.5	110	12		
6:00		22	110	12		
7:00		22.5	110	13		
8:00		22	110	12		
9:00		22	115	12		
10:30		24	105	14		
11:00		20	100	12		
12:00 p		18.5	100	12		
1:00 a		18.5	100	12		
2:00 a		18.5	100	12		
3:00 a		18	100	12		
4:00 a		18	95	12		
5:00		18	95	12		
6:00		17.5	95	12		
7:00		17.5	95	12		
8:00		17.5	100	12		
9:00		17	100	12		
10:00		18	100	12		
11:00		18	100	12		

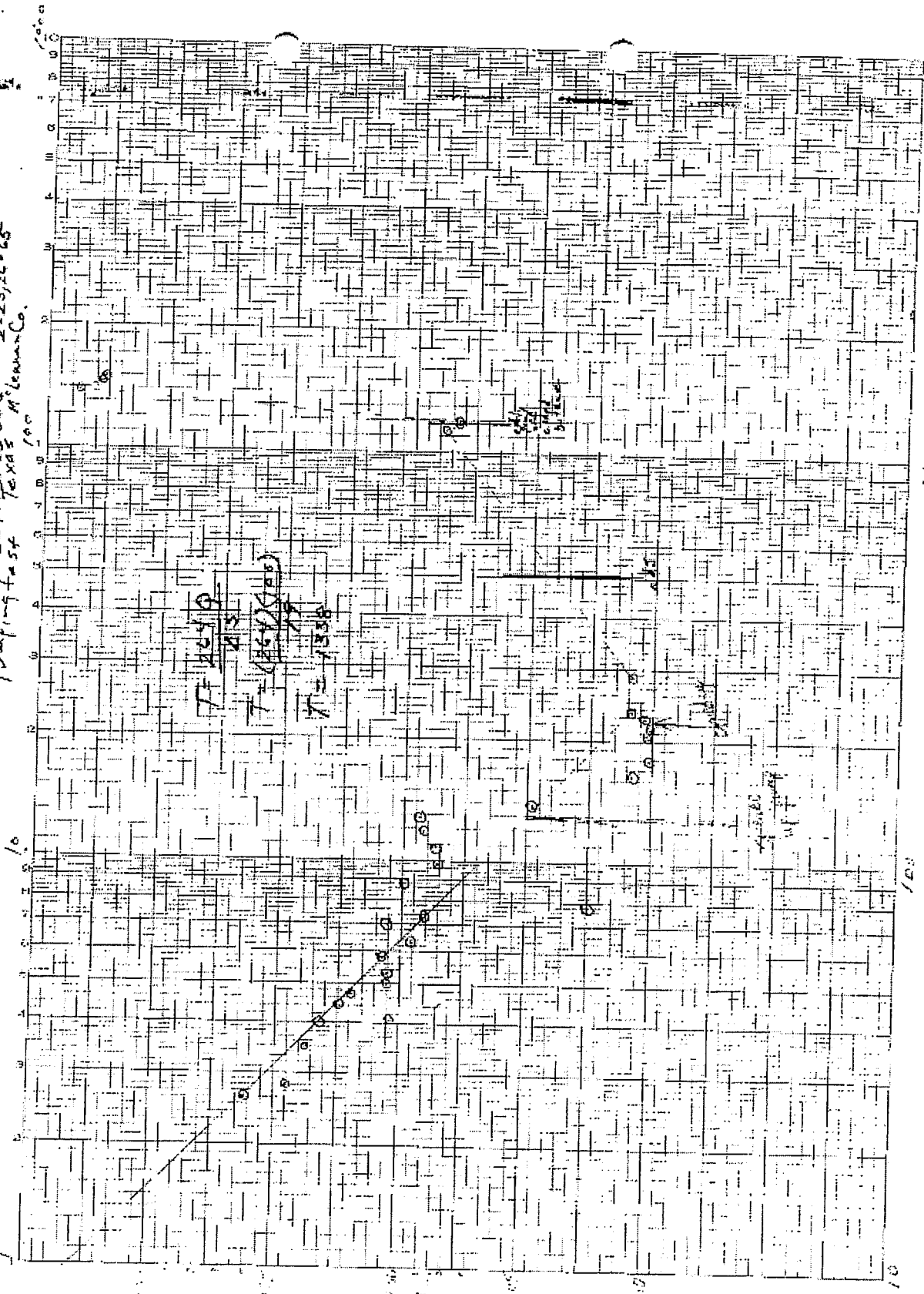
ST40-16-501

104° temp.

NO 2400-130 RIETZEN ROAD PARK
SEMI PERMANENT CYCLER & 70 DIVISION

CENTRAL ELECTRIC CO.

Pumping to 54
Cottrell Road
Texas Millman Co.
2-25-26-65



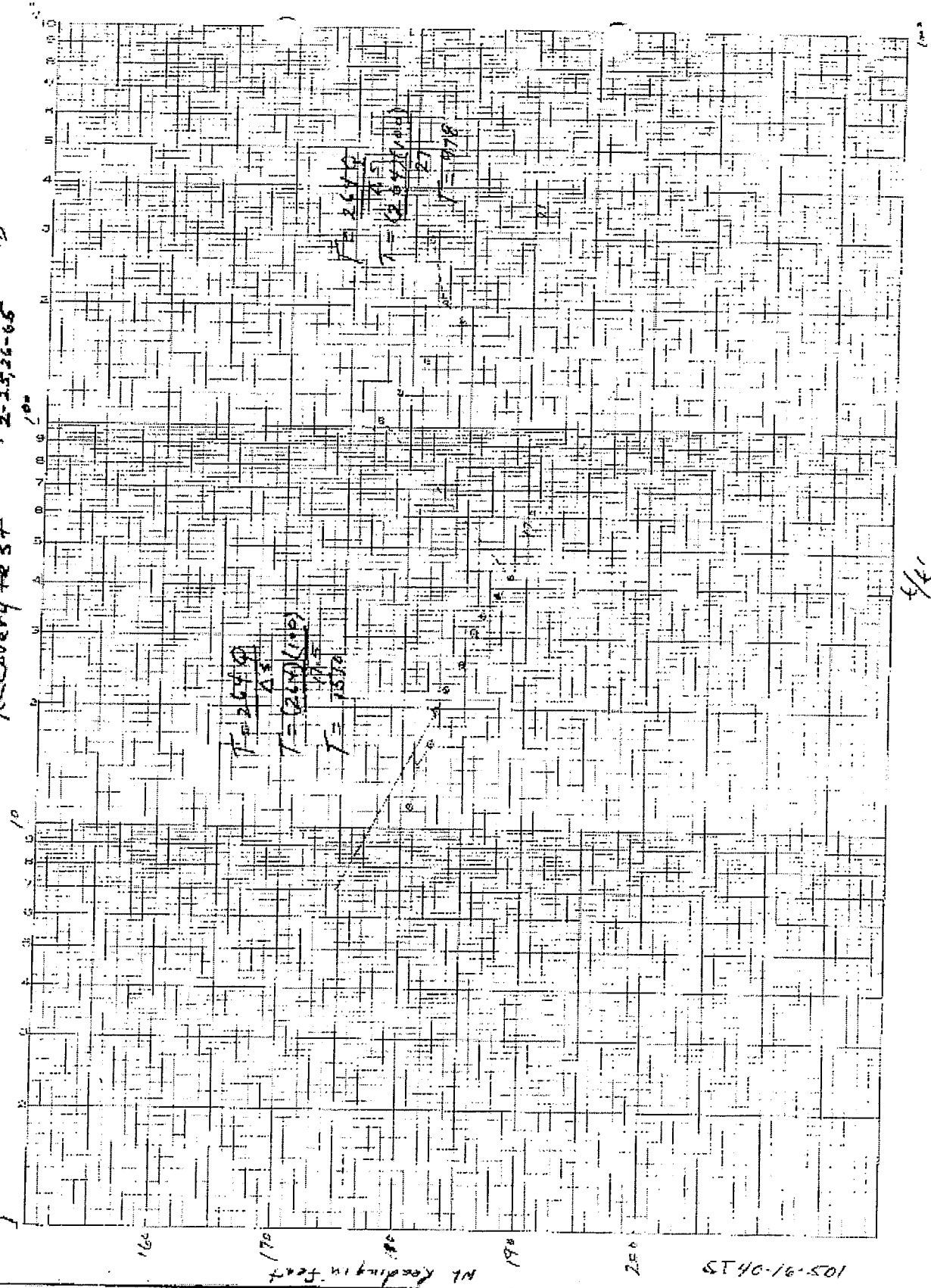
T-12510
T-12515
T-12517
T-12518

ST 40-16-501

1-10-65
1-10-65
1-10-65

NO. 2100R-1370 BOTTLENECK GRAPH PAPER
SER. LENGTH 11 1/2" G-2 CYCLE 2 7/8 DIVISIONS

Co Hank Wood, Texas (Mykanna Co.)
Recovery test



At Reading in feet

105-91-0415

4/4

CONSULTING ENGINEERS, INC.
1401 JEFFERSON
WACO, TEXAS 76702

40-16-501

ESTIMATED COST

Test conducted by: Skrabanek, Raiborn, Thompson
 Well Owner: Cottonwood W.S.C. Location: Cottonwood, Texas
 Pumped Well No: _____ Observation Well Location: _____
 Well Length: Pumped Well: _____ Static Level: 178 Pump Water Level: 312
 Remarks: 2 1/2" orifice
2-24-65 2-26-65

Pumped Well Data

DATE AND TIME	STATION TIME MIN.	DEPTH IN INCHES	PUMPING RATE GPM	HEAD OF PUMP	DRAW DOWN IN FEET	STATIC LEVEL	REMARKS
2:35		29	130	134	0	178	
2:36		24	115	125	9	187	
2:38		24	115	115	19	197	
3:01		22	110	22	112	290	
3:03		22	110	21	113	291	
3:10		22	110	20	114	292	
3:15		22	110	19	115	293	
3:16		22	110	19	117	295	
3:19		22	110	19	115	293	
3:22		22	110	18	116	294	
3:25		22	110	17	117	295	104 Degrees
3:28		22	110	17	117	295	
3:33		22	110	16	118	296	
3:38		22.8	110	16	118	296	
3:45		22	110	17	117	295	
3:48		22	110	15	119	297	
3:53		22	110	9	124	303	
4:03		22	110	16	118	296	
4:13		22	110	15	119	297	
4:23		22	110	15	119	297	
4:33		22	110	15	119	297	
4:43		22	110	16	118	296	Pump adjusted to faster rate
4:53		22	110	11	123	301	
5:18		22	110	7	127	305	
5:33		22	110	6	128	306	
5:59		21.5	109	6	128	306	
6:07		21.5	109	6	128	306	
6:22		21.5	109	7	127	305	
6:30		21.5	109	7	127	305	Pump adjusted
7:21		22	110	7	127	305	
8:00		22.5	112	6	128	306	
9:00		24	115	6	128	306	
10:00		20	105	6	128	306	
11:00		18.5	102	6	128	306	
12:00AM		18.5	102	6	128	306	

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

*File Cottonwood use
 Reg II
 FH A-Taylor
 Carlos W. McCoy*

IMPORTANT - READ CAREFULLY:

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

Send report to: Cottonwood
COTTONWOOD WATER SUPPLY CO. INC.
1/2 EUBEN J. PAVELKA, SEC. - TREAS. Rt 2 BOX
WEST, TEXAS 76691

LOCATION COTTONWOOD W. SUPPLY
 COUNTY 40-16-501
 DATE COLLECTED _____
 OWNERSHIP OF SUPPLY: _____

IF FROM WELL

Depth _____
 Age _____
 Well No. _____

POINT OF COLLECTION

Raw Supply _____
 Plant Discharge _____
 Distribution _____
 Other _____

PHYSICAL APPEARANCE

Clear _____
 Turbid _____
 Colored _____
 Odor _____

IF SURFACE SUPPLY

Name of source _____

cc: File
 Region II
 Farmers Home Administration
 C. W. McCoy
 Cottonwood Water Supply Corp.

REMARKS:

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

(Signature)

(Address of Official)

FOR LABORATORY USE ONLY

CHEMICAL ANALYSIS REPORT

(Values reported are for minerals in solution)

KEY PUNCHED

Laboratory No. 77752 Date Received _____ Date Reported 8-16-66

	Milligrams per Liter		Milligrams per Liter		Milligrams per Liter
Calcium	<u>3</u>	Carbonate	<u>0</u>	Dissolved solids	<u>870</u>
Magnesium	<u>1</u>	Bicarbonate	<u>467</u>	Phenolphthalein	
Sodium	<u>247</u>	Sulphate	<u>97</u>	Alkalinity as CaCO ₃	<u>0</u>
Manganese	<u><0.05</u>	Chloride	<u>47</u>	Total Alkalinity as CaCO ₃	<u>353</u>
Iron	<u><0.02</u>	Fluoride	<u>1.1</u>	Total Hardness as CaCO ₃	<u>13</u>
		Nitrate	<u><0.4</u>		

pH 8.3 Diluted Conductance Micromhos/cm 1125

RECOMMENDED LIMITS FOR DRINKING WATER IN MILLIGRAMS PER LITER.

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

3229 Rev.

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

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

TDWR ONLY

Organization No. _____ Lab No.

Work No. _____

CHEMICAL WATER ANALYSIS REPORT

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

Analysis copied from
Texas Department of
Health Files

County 155 McLENNAN

State Well No. 40 16 5011

Well No. _____

Date Collected 08 14 67

Owner COTTONWOOD WSC Send copy to owner Sample No. By CSF

Address _____ Well Location _____

Date Drilled 1965 Depth 2365 ft. WBF _____ Source (type of well) _____

Producing intervals _____ Water level _____ ft. Sample depth ft.

Sampled after pumping _____ hrs. Yield _____ GPM ^{meas.}/_{est.} Temperature °F °C

Point of collection _____ Appearance clear turbid colored other

Use _____ Remarks _____

(FOR LABORATORY USE ONLY) ~~NOT PUNCHED~~

CHEMICAL ANALYSIS

Laboratory No. _____ Date Received _____ Date Reported 8-29-67

	MG/L	ME/L		MG/L	ME/L
Silica . . . 00955 . . .					
Calcium . . . 00910 . . .					
Magnesium . . . 00920 . . .					
Sodium . . . 00929 . . .					
Total ¹					
<input type="checkbox"/> Potassium . . . 00937 . . .					
<input checked="" type="checkbox"/> Manganese . . . 01055 . . .			XNa		
<input type="checkbox"/> Boron . . . 01022 . . .			SAR		
<input checked="" type="checkbox"/> Total Iron . . . 01045 . . .			RSC		
<input type="checkbox"/> (other) _____ MG/L					
Specific Conductance (micromhos/cm ²) 00095 _____					
Diluted Conductance (micromhos/cm ²): _____					
x	1140				
<input type="checkbox"/> " items will be analyzed if checked.					
¹ The bicarbonate reported in this analysis can be converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure used in the computation of dissolved solids.					
² Nitrogen cycle requires separate sample.					
³ Total iron and Manganese require separate sample.					
Carbonate . . . 00445 . . .					
Bicarbonate . . . 00440 . . .					
Sulfate . . . 00945 . . .					
Chloride . . . 00840 . . .					
Fluoride . . . 00951 . . .					
Nitrate . . . 71850 . . .					
pH . . . 00403 . . .					
Total					
¹ Dissolved Solids (residue at 180°C) . . . 70300					
Phenolphthalein Alkalinity as CaCO ₃ . . . 00415					
Total Alkalinity as CaCO ₃ . . . 00410					
Total Hardness as CaCO ₃ . . . 00900					
Ammonia - N . . . ² Nitrogen Cycle . . . 00610					
Nitrite - N 00815					
Nitrate - N 00820					
Organic Nitrogen 00605					

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(soft pencil or black ink)
Do not use ball point pen

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

TDWR ONLY

Organization No. _____ Lab No.

Work No. _____

CHEMICAL WATER ANALYSIS REPORT

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

Analysis copied from
Texas Department of
Health Files

County 155 McLENNAN

State Well No. 40 16 501

Well No. _____

Date Collected 08 20 69

Owner COTTONWOOD WSC Send copy to owner Sample No. By CSP

Address _____ Well Location _____

Date Drilled 1965 Depth 2365 ft. WRF _____ Source (type of well) _____

Producing intervals _____ Water level _____ ft. Sample depth ft.

Sampled after pumping _____ hrs. Yield _____ GPM meas. est. Temperature °F °C

Point of collection _____ Appearance clear turbid colored other

Use _____ Remarks CHLORINATED

(FOR LABORATORY USE ONLY)
KEY PUNCHED

CHEMICAL ANALYSIS

Laboratory No. _____ Date Received 8-27-69 Date Reported 9-8-69

	MG/L	ME/L
Silica . . . 00955 . . .		
Calcium . . . 00910 . . .		
Magnesium . . . 00920 . . .		
Sodium . . . 00929 . . .		
Total		
<input type="checkbox"/> Potassium . . . 00937 . . .		
<input type="checkbox"/> Manganese . . . 01055 . . .		
<input type="checkbox"/> Boron . . . 01022 . . .		
<input type="checkbox"/> Total Iron . . . 01045 . . .		

Other _____ MG/L

Specific Conductance (micromhos/cm³) 00095

Diluted Conductance (micromhos/cm³): _____ = 1144

X

	MG/L	ME/L
Carbonate . . . 00445 . . .		
Bicarbonate . . . 00440 . . .		
Sulfate . . . 00945 . . .		
Chloride . . . 00940 . . .		
Fluoride . . . 00951 . . .		
Nitrate . . . 71850 . . .		
pH . . . 00403 . . .		
Total		
Dissolved Solids (residue at 180°C) . . . 70300 . . .		
Phenolphthalein Alkalinity as CaCO ₃ . . . 00415 . . .		
Total Alkalinity as CaCO ₃ . . . 00410 . . .		
Total Hardness as CaCO ₃ . . . 00900 . . .		
Total		
Ammonia - N . . . Nitrogen Cycle . . . 00610 . . .		
Nitrite - N . . . 00615 . . .		
Nitrate - N . . . 00620 . . .		
Organic Nitrogen . . . 00605 . . .		

* The bicarbonate reported in this analysis can be converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure used in the computation of dissolved solids.
* Nitrogen cycle requires separate sample.
* Total Iron and Manganese require separate sample.

Analyst: _____ Checked By: _____

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

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

TOWER ONLY

Organization No. _____ Lab No. _____

Work No. _____

CHEMICAL WATER ANALYSIS REPORT

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

Analysis copied from
Texas Department of
Health Files

County 155 McLENNAN

State Well No. 40-16-501

Well No. _____

Date Collected 08-18-70

Owner Cottonwood WSC Send copy to owner Sample No. By CSP

Address _____ Well Location _____

Date Drilled 1965 Depth 2365 ft. WBF _____ Source (type of well) _____

Producing Interval _____ Water level _____ ft. Sample depth _____ ft.

Sampled after pumping _____ hr. Yield _____ GPM ^{MIN} _{MAX} Temperature _____ °F _____ °C

Point of collection _____ Appearance clear turbid colored other

Use _____ Remarks CALORIMATED

(FOR LABORATORY USE ONLY)

KEY PUNCHED

CHEMICAL ANALYSIS

Laboratory No. _____ Date Received 8-21-70 Date Reported 9-8-70

	MG/L	ME/L
Silica . . . 00955 . . .		
Calcium . . . 00910 . . .	3	
Magnesium . . . 00920 . . .	2	
Sodium . . . 00929 . . .	2 4 2	
Total		
<input type="checkbox"/> Potassium . . . 00937 . . .		
<input type="checkbox"/> Manganese . . . 01055 . . .	40 . 05	
<input type="checkbox"/> Boron . . . 01022 . . .		
<input type="checkbox"/> Total Iron . . . 01045 . . .	40 . 02	

	MG/L	ME/L
Carbonate . . . 00445 . . .	4	
Bicarbonate . . . 00440 . . .	46 2	
Sulfate . . . 00945 . . .	96	
Chloride . . . 00940 . . .	53	
Fluoride . . . 00951 . . .	1.2	
Nitrate . . . 71850 . . .	40 . 40	
pH 00403 . . .	8 . 4	
Total		

(Other) _____ MG/L

Specific Conductance (micromhos/cm³) 00095 _____

Diluted Conductance (micromhos/cm²): _____ = 1120

Disolved Solids (residue at 180°C) . . . 70300 . . .	860
Phenolphthalein Alkalinity as CaCO ₃ . . . 00415 . . .	3
Total Alkalinity as CaCO ₃ 00410 . . .	385
Total Hardness as CaCO ₃ 00800 . . .	17
Ammonia - N Nitrogen Cycle . . . 00610 . . .	
Nitrite - N 00615 . . .	
Nitrate - N 00620 . . .	
Organic Nitrogen 00605 . . .	

items will be analyzed if checked.

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

Nitrogen cycle requires separate sample.

Total Iron and Manganese require separate sample.

Analyst _____ Checked By _____

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(soft pencil or black ink)
Do not use ball point pen

Texas Department of Health Laboratories
1100 West 49th Street
Austin, Texas 78755

TOWR ONLY

Organization No. _____ Lab No. _____

Work No. _____

CHEMICAL WATER ANALYSIS REPORT

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

Analysis copied from
Texas Department of
Health Files

County 155 MCLENNAN

State Well No. 40-16-501

Well No. _____

Date Collected 12-09-71

Owner Cottawood WSC Send copy to owner Sample No. By CSP

Address _____ Well Location _____

Date Drilled 1965 Depth 1365 ft. WSP _____ Source (type of well) _____

Producing intervals _____ Water level _____ ft. Sample depth _____ ft.

Sampled after pumping _____ hrs. Yield _____ GPM (flow rate) Temperature _____ °F _____ °C

Point of collection _____ Appearance clear turbid colored other

Use _____ Remarks CHLORINATED

(FOR LABORATORY USE ONLY)

KEY PUNCHED

CHEMICAL ANALYSIS

Laboratory No. _____ Date Received 12-13-71 Date Reported 12-22-71

		MG/L	ME/L		MG/L	ME/L
Silica . . . 00965 . . .						
Calcium . . . 00910 . . .		3				
Magnesium . . . 00920 . . .		3				
Sodium . . . 00929 . . .		246				
Total						
<input type="checkbox"/> Potassium . . . 00937 . . .						
<input checked="" type="checkbox"/> Manganese . . . 01055 . . .						
<input type="checkbox"/> Boron . . . 01022 . . .						
<input checked="" type="checkbox"/> Total Iron . . . 01045 . . .						
<input type="checkbox"/> (other) _____		MG/L				
Specific Conductance (micromhos/cm ²)	00095					
Diluted Conductance (micromhos/cm ²):						
	X					
						1120
<input type="checkbox"/> Items will be analyzed if checked.						
* the bicarbonate reported in this analysis can be converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure used in the computation of dissolved solids.						
† Nitrogen cycle requires separate sample.						
‡ Total Iron and Manganese require separate sample.						
Carbonate . . . 00445 . . .					5	
Bicarbonate . . . 00440 . . .		459				
Sulfate . . . 00945 . . .		95				
Chloride . . . 00940 . . .		50				
Fluoride . . . 00961 . . .		1.4				
Nitrate . . . 21850 . . .		2.00				
pH 00403 . . .		8.4				
Total						
Dissolved Solids (residue at 180°C)	70300					860
Phenolphthalein Alkalinity as CaCO ₃	00415					4
Total Alkalinity as CaCO ₃	00410					384
Total Hardness as CaCO ₃	00900					22
† Nitrogen Cycle						
Ammonia - N	00610					
Nitrite - N	00615					
Nitrate - N	00620					
Organic Nitrogen	00605					

Analyst _____ Checked By _____

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(soft pencil or black ink)
Do not use ball point pen

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

TDWR ONLY

Organization No. _____ Lab No.

Work No. _____

CHEMICAL WATER ANALYSIS REPORT

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

Analysis copied from
Texas Department of
Health Files

County 155 McLENNAN
State Well No. 40-16-501
Well No. _____
Date Collected 02-05-73

Owner COTTONWOOD WSC Send copy to owner Sample No. By CSP

Address _____ Well Location _____

Date Drilled 1965 Depth 2365 ft. WBF _____ Source (type of well) _____

Producing interval _____ Water level _____ ft. Sample depth ft.

Sampled after pumping _____ hrs. Yield _____ GPM (1000/1000) Temperature °F °C

Point of collection _____ Appearance clear turbid colored other

Use _____ Remarks CHLORINATED

(FOR LABORATORY USE ONLY)

CHEMICAL ANALYSIS

KEY PUNCHED

Laboratory No. _____ Date Received 2-7-73 Date Reported 2-21-73

	MG/L	ME/L		MG/L	ME/L
Silica . . . 00955 . . .					
Calcium . . . 00910 . . .			4		
Magnesium . . . 00920 . . .			3		
Sodium . . . 00929 . . .			241		
Total					
<input type="checkbox"/> Potassium . . . 00837 . . .					
<input type="checkbox"/> Manganese . . . 01055 . . .			0.05		
<input type="checkbox"/> Boron . . . 01022 . . .					
<input type="checkbox"/> Total Iron . . . 01045 . . .			0.02		
<input type="checkbox"/> [other] _____					
Specific Conductance (micromhos/cm ²): 00095 _____					
Diluted Conductance (micromhos/cm ²): _____					
X	1134				
<input type="checkbox"/> Items will be analyzed if checked.					
<small>The bicarbonate reported in this analysis can be converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure used in the computation of dissolved solids. Nitrogen cycle requires separate sample. Total Iron and Manganese requires separate sample.</small>					
Carbonate . . . 00445 . . .				1	
Bicarbonate . . . 00440 . . .			467		
Sulfate . . . 00845 . . .			96		
Chloride . . . 00840 . . .			51		
Fluoride . . . 00851 . . .			1.8		
Nitrate . . . 71850 . . .			1.50		
pH . . . 00403 . . .			8.4		
Total					
Dissolved Solids (residue at 180°C) . . . 70300 . . .					870
Phenolphthalein Alkalinity as CaCO ₃ . . . 00415 . . .					1
Total Alkalinity as CaCO ₃ . . . 00410 . . .					385
Total Hardness as CaCO ₃ . . . 00900 . . .					22
Nitrogen Cycle					
Ammonia - N . . . 00610 . . .					
Nitrite - N . . . 00615 . . .					
Nitrate - N . . . 00620 . . .					
Organic Nitrogen . . . 00605 . . .					

Analysis _____ Checked By _____

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

Texas Department of Health Laboratories
1100 West 49th Street
Austin, Texas 78766

TDWR ONLY

Organization No. _____ Lab No. _____

Work No. _____

CHEMICAL WATER ANALYSIS REPORT

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

Analysis copied from
Texas Department of
Health Files

County 155 McLENNAN

State Well No. 40-16-801

Well No. _____

Date Collected 12-24-73

Owner COTTONWOOD WSC Send copy to owner Sample No. By CSP

Address _____ Well Location _____

Date Drilled 1965 Depth 2365 ft. WBF _____ Source (type of well) _____

Producing intervals _____ Water level _____ ft. Sample depth _____ ft.

Sampled after pumping _____ hrs. Yield _____ GPM ^{DWFL}/_{ACT.} Temperature _____ °F _____ °C

Point of collection _____ Appearance clear turbid colored other

Use _____ Remarks CHLORINATED - CONTAINED > 20 mg/l FREE CHLORINE

(FOR LABORATORY USE ONLY)

CHEMICAL ANALYSIS

Laboratory No. KEY PUNCHED Date Received 12-27-73 Date Reported 1-14-74

	MG/L	ME/L
Silica . . . 00955 . . .		
Calcium . . . 00910 . . .	4	
Magnesium . . . 00920 . . .	1	
Sodium . . . 00929 . . .	304	
	Total	
<input type="checkbox"/> Potassium . . . 00937 . . .		
<input type="checkbox"/> Manganese . . . 01055 . . .	20.05	MG/L
<input type="checkbox"/> Boron . . . 01022 . . .		SAR
<input type="checkbox"/> Total Iron . . . 01045 . . .	0.06	RSC

	MG/L	ME/L
Carbonate . . . 00445 . . .		7
Bicarbonate . . . 00440 . . .	494	
Sulfate . . . 00945 . . .	104	
Chloride . . . 00940 . . .	107	
Fluoride . . . 00961 . . .		
Nitrate . . . 71850 . . .	20.40	
pH . . . 00403 . . .	8.5	Total
1 Dissolved Solids (residue at 180°C)	70300	1020
Phenolphthalein Alkalinity as CaCO ₃ . . . 00415 . . .		6
Total Alkalinity as CaCO ₃ . . . 00410 . . .		417
Total Hardness as CaCO ₃ . . . 00900 . . .		16
2 Nitrogen Cycle		
Ammonia - N . . . 00610 . . .		
Nitrite - N . . . 00615 . . .		
Nitrate - N . . . 00620 . . .		
Organic Nitrogen . . . 00605 . . .		

(other) _____ MG/L

Specific Conductance (micromhos/cm²) 00095 _____

Diluted Conductance (micromhos/cm²): _____ = 11450

" items will be analyzed if checked.

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

² Nitrogen cycle requires separate sample.

³ Total Iron and Manganese require separate sample.

Typewrite (Black ribbon) or Print Plainly
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Do not use ball point pen

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

TDWR ONLY

Organization No. _____ Lab No. _____

Work No. _____

CHEMICAL WATER ANALYSIS REPORT

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

Analysis copied from
Texas Department of
Health Files

County 155 McLENNAN

State Well No. 410-16-501

Well No. _____

Date Collected 06-09-74

Owner COTTONWOOD WSC Send copy to owner Sample No. 1 By CCP

Address _____ Well Location _____

Date Drilled 1965 Depth 2365 ft. WSF _____ Source (type of well) _____

Producing intervals _____ Water level _____ ft. Sample depth _____ ft.

Sampled after pumping _____ hrs. Yield _____ GPM (MEAS. SET.) Temperature _____ °F _____ °C

Point of collection _____ Appearance clear turbid colored other

Use _____ Remarks CALORIMETER

(FOR LABORATORY USE ONLY)
NET PUNCHED

CHEMICAL ANALYSIS

Laboratory No. _____ Date Received 6-11-74 Date Reported 7-8-74

	MG/L	ME/L		MG/L	ME/L
Silica - - - 00955	4		Carbonate - - - 00445	5	
Calcium - - - 00910	1		Bicarbonate - - 00440	459	
Magnesium - - - 00920	1		Sulfate - - - 00945	96	
Sodium - - - 00929	249		Chloride - - - 00940	51	
<input type="checkbox"/> Potassium - 00937			Fluoride - - - 00951	1.6	
<input type="checkbox"/> Manganese - 01056	40.05	NM	Nitrate ¹ - - - 71850	2.50	
<input type="checkbox"/> Boron - - - 01022		SAR	pH - - - - - 00403	8.4	
<input type="checkbox"/> Total Iron - 01045	0.20	RSC	Total		
<input type="checkbox"/> (other) _____	MG/L		Dissolved Solids (residue at 180°C)	70300	870
Specific Conductance (micromhos/cm ³)	00095		Phenolphthalein Alkalinity as CaCO ₃	00415	4
Diluted Conductance (micromhos/cm ³)	= 1144		Total Alkalinity as CaCO ₃	00410	384
	X		Total Hardness as CaCO ₃	00900	14
			Ammonia - N - - - - -	00610	
			Nitrite - N - - - - -	00815	
			Nitrate - N - - - - -	00620	
			Organic Nitrogen - - - -	00605	

Items will be analyzed if checked.

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

²Nitrogen cycle requires separate sample.

Total iron and Manganese require separate sample.

TW08-0148 (Rev. 04-07-66)

Analyst _____ Checked By _____

Typewrite (Black ribbon) or Print Plainly
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Do not use ball point pen

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

TOWER ONLY

Organization No. _____ Lab No. 11

Work No. _____

CHEMICAL WATER ANALYSIS REPORT

Send report to:

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

Analysis copied from
Texas Department of
Health Files

County 155 McLENNAN

State Well No. 40 16 501

Well No. _____

Date Collected 07 06 75

Owner COTTONWOOD WSC Send copy to owner Sample No. 1 By CSP

Address _____ Well Location _____

Date Drilled 1965 Depth 2365 ft. WBF _____ Source (type of well) _____

Producing intervals _____ Water level _____ ft. Sample depth 1 1 1 ft.

Sampled after pumping _____ hrs. Yield _____ GPM 0.0005 0.001 Temperature 1 1 1 °F 1 1 °C

Point of collection _____ Appearance clear turbid colored other

Use _____ Remarks CHLORINATED

(FOR LABORATORY USE ONLY)

CHEMICAL ANALYSIS

Laboratory No. KEY PUNCHED Date Received _____ Date Reported _____

	MG/L	ME/L		MG/L	ME/L
Silica . . . 00855 . . .			Carbonate . . . 00445 . . .	6	
Calcium . . . 00910 . . .	4		Bicarbonate . . . 00440 . . .	459	
Magnesium . . . 00920 . . .	1		Sulfate . . . 00945 . . .	96	
Sodium . . . 00929 . . .	244		Chloride . . . 00940 . . .	53	
Total			Fluoride . . . 00951 . . .	1.4	
<input type="checkbox"/> Potassium . . . 00937 . . .			Nitrate . . . 71850 . . .	2.10	
<input type="checkbox"/> Manganese . . . 01055 . . .			pH 00403 . . .	8.5	
<input type="checkbox"/> Boron . . . 01022 . . .			Total		
<input type="checkbox"/> Total Iron . . . 01045 . . .	0.05		Dissolved Solids (residue at 180°C) . . . 70300 . . .		870
<input type="checkbox"/> (other) _____ MG/L			Phenolphthalein Alkalinity as CaCO ₃ . . . 00415 . . .		5
Specific Conductance (micromhos/cm ³) 00095 _____			Total Alkalinity as CaCO ₃ 00410 . . .		386
Diluted Conductance (micromhos/cm ³): _____			Total Hardness as CaCO ₃ 00900 . . .		14
X _____ = 1160			Amonia - N 00810 . . .		
<input type="checkbox"/> " items will be analyzed if checked.			Nitrite - N 00615 . . .		
¹ The bicarbonate reported in this analysis can be converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figures used in the computation of dissolved solids.			Nitrate - N 00620 . . .		
² Nitrogen cycle requires separate sample.			Organic Nitrogen 00605 . . .		
³ Total iron and Manganese require separate sample.			Analyst _____	Checked By _____	

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

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

TOWR ONLY

Organization No. _____ Lab No.

Work No. _____

CHEMICAL WATER ANALYSIS REPORT

Send report to:

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

Analysis copied from
Texas Department of
Health Files

County 155 McLENNAN

State Well No. 40 16 501

Well No. _____

Date Collected 06 13 76

Owner CATTOWWOOD WSC Send copy to owner Sample No. By CSP

Address _____ Well Location _____

Date Drilled 1965 Depth 2365 ft. WBF _____

Producing intervals _____ Water level _____ ft. Sample depth ft. Source (type of well) _____

Sampled after pumping _____ hrs. Yield _____ GPM $\frac{\text{DISCH.}}{\text{WELL}}$ Temperature °F °C

Point of collection _____ Appearance clear turbid colored other

Use _____ Remarks CHLORINATED

(FOR LABORATORY USE ONLY)

KEY PUBLISHED

CHEMICAL ANALYSIS

Laboratory No. _____ Date Received _____ Date Reported 6-23-76

	MG/L	ME/L		MG/L	ME/L
Silica . . . 00855 . . .					
Calcium . . . 00910 . . .			5		
Magnesium . . . 00920 . . .			1		
Sodium . . . 00928 . . .			250		
Total					
<input type="checkbox"/> Potassium . . . 00937 . . .					
<input type="checkbox"/> Manganese . . . 01055 . . .			20.05		
<input type="checkbox"/> Boron . . . 01022 . . .					
<input type="checkbox"/> Total Iron . . . 01045 . . .			0.04		
<input type="checkbox"/> (other) _____					
Specific Conductance (micromhos/cm ²) 00095 _____					
Diluted Conductance (micromhos/cm ²): _____					
X _____	1120				
<p><input type="checkbox"/> _____ items will be analyzed if checked.</p> <p>* The carbonate reported in this analysis can be converted by computation (multiplying by 0.4817) to an equivalent amount of carbonate, and the carbonate figure used in the computation of dissolved solids.</p> <p>* Nitrogen cycle requires separate sample.</p> <p>* Total Iron and Manganese require separate sample.</p>					
Carbonate . . . 00445 . . .				0	
Bicarbonate . . . 00440 . . .				458	
Sulfate . . . 00845 . . .				89	
Chloride . . . 00840 . . .				51	
Fluoride . . . 00951 . . .				1.3	
Nitrate . . . 71850 . . .				2.30	
pH . . . 00403 . . .				8.4	
Total					
1 Dissolved Solids (residue at 180° C) . . . 70300 . . .				860	
Phenolphthalein Alkalinity as CaCO ₃ . . . 00416 . . .				5	
Total Alkalinity as CaCO ₃ . . . 00410 . . .				385	
Total Hardness as CaCO ₃ . . . 00900 . . .				16	
2 Nitrogen Cycle					
Ammonia - N 00610 . . .					
Nitrite - N 00615 . . .					
Nitrate - N 00620 . . .					
Organic Nitrogen 00605 . . .					

Analyst _____ Checked By _____

REQUEST FOR CHEMICAL ANALYSIS OF WATER
 TEXAS DEPARTMENT OF HEALTH RESOURCES
 1100 WEST 49th STREET AUSTIN, TEXAS 78766

Report No.

Mr. Ray Sexton, Pres.
Rt. 2, Box 117
West, Tx. 76691

NAME OF WATER SYSTEM:

Cottonwood, W.S. Co.
 Area Served Rural around Cottonwood
 County McLennan
 Date Collected 4-6-77

SOURCE OF COLLECTION IF FROM WELL IF SURFACE SUPPLY
 Surface Supply _____ Depth _____ Name of source _____
 Land Discharge _____ AGE _____
 Distribution ✓ Under Well No. 1
 Filter _____

REMARKS: Sampled at George NORS RESIDENCE, RT. 2, WEST

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

Charles O. Brinkley
 (Signature)

TDHD # 6
 (Address of Official)

FOR LABORATORY USE ONLY

CHEMICAL ANALYSIS REPORT

MAY 13 1977

Laboratory No. 325021 Date Received APR 12 1977 Date Reported _____
 Milligrams per Liter Milligrams per Liter Milligrams per Liter
 Calcium 5 Arsenic <0.01 ORGANIC CHEMICALS:
 Magnesium 1 Barium <0.5 Endrin _____
 Iodine 250 Cadmium <0.005 Lindane _____
 Carbonate 4 Chromium <0.02 Methoxychlor _____
 bicarbonate 229 Iron 0.05 Toxaphene _____
 Sulfate 92 Lead <0.02 2, 4-D _____
 Chloride 54 Manganese <0.05 2, 4, 6-TP _____
 Fluoride 1.3 Mercury 0.0003 RADIOCHEMICAL:
 Nitrate (as N) 0.02 Selenium <0.002 Gross Alpha <2.0 pCi/l
 Radium 226 _____ pCi/l
 Gross Beta <4.0 pCi/l
 Gamma Scan _____
 Turbidity _____ (FTU) Dissolved Solids 640 ADDITIONAL ANALYSIS:
 pH 8.4 Phenolphthalein Alkalinity as CaCO₃ 3
 Total Alkalinity as CaCO₃ 388
 Diluted Conductance _____ Total Hardness as CaCO₃ 16

FORM NO. 0-176

40-16-501

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

Send Report To: George Nors, Operator
Cottonwood Water Supply Corp
Rt. 2, Box 117
West, TX 76691

NAME OF WATER SUPPLY: Cottonwood WSC
 Water Supply I.D. No. 155 0022
(1-7)
 County McLennan

SAMPLE TYPE IF FROM WELL IF SURFACE SUPPLY
 Distribution *only* Depth _____ ft.
 Plant Discharge Age _____ yrs.
 Raw Supply Well No. _____
 Other

Name of Source _____

REMARKS: Routine sample collected at house of George Nors
(Side of House)
RR District

Date Collected 9/25/80
(31-36)

CEI- 1297

Laboratory No. <small>(10-13)</small>	Date Received <small>(17-20)</small>	OCT 03 1980 <small>(10-13)</small>	Date Reported <small>(17-20)</small>
1016 Calcium	<u>4</u> mg/l	1005 Arsenic	<u>< 0.01</u> mg/l
1031 Magnesium	<u>< 1</u> mg/l	1010 Barium	<u>< 0.5</u> mg/l
1052 Sodium	<u>252</u> mg/l	1015 Cadmium	<u>< 0.005</u> mg/l
1929 Carbonate	<u>7</u> mg/l	1020 Chromium	<u>< 0.02</u> mg/l
1928 Bicarbonate ²²⁴	<u>455</u> mg/l	1022 Copper	<u>< 0.02</u> mg/l
1055 Sulphate	<u>94</u> mg/l	1028 Iron	<u>0.05</u> mg/l
1017 Chloride	<u>53</u> mg/l	1030 Lead	<u>< 0.02</u> mg/l
1025 Fluoride	<u>1.3</u> mg/l	1032 Manganese	<u>< 0.02</u> mg/l
1040 Nitrate (as N)	<u>0.40</u> mg/l	1035 Mercury	<u>< 0.0002</u> mg/l
1050 Dissolved Solids	<u>640</u> mg/l	1045 Selenium	<u>< 0.002</u> mg/l
1931 Phenolphthalein Alkalinity as CaCO ₃	<u>6</u> mg/l	1050 Silver	<u>< 0.01</u> mg/l
1927 Total Alkalinity as CaCO ₃	<u>386</u> mg/l	1095 Zinc	<u>< 0.02</u> mg/l
1915 Total Hardness as CaCO ₃	<u>63</u> mg/l	2005 Endrin	_____ mg/l
1925 pH	<u>8.5</u>	2010 Lindane	_____ mg/l
1926 Diluted Conductance Micromhos/cm.	<u>1120</u>	2015 Methoxychlor	_____ mg/l
		2020 Toxaphene	_____ mg/l
		2105 2,4-D	_____ mg/l
		2110 2,4,5-TP	_____ mg/l

40-16-501
Form No. 1-72

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

Send Report To:

Cottonwood VSC
Rte. 2, Box 117
West, Tx. 76691

NAME OF WATER SUPPLY:

Cottonwood WSC
 Water Supply I.D. No. 1550022
 County Melissa (1-7)

SAMPLE TYPE

IF FROM WELL

IF SURFACE SUPPLY

- Distribution *aka*
- Plant Discharge
- Raw Supply
- Other

Depth 2.265 ft.
 Age _____ yrs.
 Well No. 1

Name of Source

Dr.'s Request
Rush

REMARKS: 2 qts (acid red); 1 jar

Ronald W. Boyd
 (Signature)

Date Collected 3/16/82
 (31-36)

CE2- 9182

MAR 18 1982

APR 10 '82

Laboratory I (10-13)		Date Received (17-20)	Date Reported (17-20)
1016	Calcium	_____ mg/1	1005 Arsenic <u>< 0.01</u> mg/1
1031	Magnesium	_____ mg/1	1010 Barium <u>< 0.5</u> mg/1
1052	Sodium	_____ mg/1	1015 Cadmium <u>< 0.005</u> mg/1
1929	Carbonate	_____ mg/1	1020 Chromium <u>< 0.02</u> mg/1
1928	Bicarbonate	_____ mg/1	1022 Copper <u>< 0.02</u> mg/1
1055	Sulphate	_____ mg/1	1028 Iron <u>0.03</u> mg/1
1017	Chloride	_____ mg/1	1030 Lead <u>< 0.02</u> mg/1
(10-13) SAMPLE NO.: 9182	(17-20)		1032 Manganese <u>< 0.02</u> mg/1
1016 Calcium	mg/1	3	1035 Mercury <u>< 0.0002</u> mg/1
1031 Magnesium	mg/1	1	1045 Selenium <u>< 0.002</u> mg/1
1052 Sodium	mg/1	253	1050 Silver <u>< 0.01</u> mg/1
1929 Carbonate 226	mg/1	8	1095 Zinc <u>< 0.02</u> mg/1
1928 Bicarbonate	mg/1	460	2005 Endrin <u>< 0.0002</u> mg/1
1055 Sulfate	mg/1	94	2010 Lindane <u>< 0.00003</u> mg/1
1017 Chloride	mg/1	60	2015 Methoxychlor <u>< 0.0005</u> mg/1
1025 Fluoride	mg/1	1.3	2020 Toxaphene <u>< 0.0050</u> mg/1
1040 Nitrate (asN)	mg/1	.07	2105 2,4-D <u>< 0.030</u> mg/1
1930 Dissolved solids	mg/1	650	2110 2,4,6-TP <u>< 0.005</u> mg/1
1931 Phenolphthalein	mg/1	7	
Alkalinity as CaCO3	mg/1	391	
1927 Total Alkalinity as CaCO3	mg/1	13	
1915 Total Hardness as CaCO3	mg/1	8.6	
1925 pH		1160	
1926 Diluted Conductance Micromhos/cm.			

40-16-5011
 Form No. 16-72

Community Water Supply Chemical Analysis Report
Texas Department of Health — Division of Water Hygiene
 1100 West 49th Street Austin, Texas 78756-3192

Send Report To:

Cottawood WSC
1013 North Marble
West, Texas 76691

NAME OF WATER SUPPLY:

Cottawood WSC
 Water Supply I.D. No. 1550022
 (1-7)
 County McLennan

SAMPLE TYPE IF FROM WELL
 Distribution Depth: 2.265 ft.
 Plant Discharge Age _____ yrs.
 Raw Supply Well No. _____
 Other

IF SURFACE SUPPLY
 Name of Source _____

REMARKS: 2 qt. samples (1 acidized)

Ron W. Bond, P.E.
 (Signature)

Date Collected 10/1/85
 (31-36)

OCT. 26, 1985

DEC 04 '85

Laboratory	Date Received	Date Reported
(10-13)	(17-20)	(17-20)
(10-13) SAMPLE NO. EP6-961	(17-20)	
1016 Calcium	mg/l	3
1031 Magnesium	mg/l	1
1052 Sodium	mg/l	257
1929 Carbonate 226	mg/l	4
1928 Bicarbonate	mg/l	460
1055 Sulfate	mg/l	94
1017 Chloride	mg/l	60
1025 Fluoride	mg/l	1.2
1040 Nitrate (asN)	mg/l	.09
1930 Dissolved solids		650
1931 Phenolphthalein		
Alkalinity as CaCO3	mg/l	4
1927 Total Alkalinity		
as CaCO3	mg/l	385
1915 Total Hardness		
as CaCO3	mg/l	13
1925 pH		8.5
1926 Diluted Conductance		
Micromhos/cm.		1192

SAMPLE NO. EP6-961		
(10-13)	(17-20)	
1005 ARSENIC	<0.01	ng/l
1010 BARIUM	<0.5	ng/l
1015 CADMIUM	<0.005	ng/l
1020 CHROMIUM	<0.02	ng/l
1022 COPPER	<0.02	ng/l
1028 IRON	.03	ng/l
1030 LEAD	<0.02	ng/l
1032 MANGANESE	<0.02	ng/l
1035 MERCURY	<0.0002	ng/l
1045 SELENIUM	<0.002	ng/l
1050 SILVER	<0.01	ng/l
1095 ZINC	.03	ng/l

1915 as CaCO₃ _____ mg/l
 Total Hardness _____ mg/l
 as CaCO₃
 1925 pH _____
 1926 Diluted Conductance _____
 Micromhos/cm.

2005 Endrin _____ mg/l
 2010 Lindane _____ mg/l
 2015 Methoxychlor _____ mg/l
 2020 Toxaphene _____ mg/l
 2105 2,4-D _____ mg/l
 2110 2,4,6-TP _____ mg/l

40-16-501

TEXAS WATER DEVELOPMENT BOARD

Sample Number 397
 Well Number 40-1A-501 Date/Time 7/18/94 13:35
 County McLennan Collected by D. R. Jones
 Owner's Name Cottonwood W.S.C.
 Address 1013 N. Macomber West, Tx.
 Date Drilled _____ Depth _____ Yield _____
 Use P.S. Send Copy to Owner: Yes _____ No _____
 Collection Point Faucet on Discharge After Pumping P.O.A. Hours _____
 pH 8.07 Eh _____ Spec. Cond. 1035 TDS _____ Temp 104.0° °F
 Field Alkalinity: Phenol 0 mg/l Total 374.0 mg/l
 Date Analyzed: 8-2-94 Analyst Robert Ozment

Silica	_____	mg/l
Calcium	<u>2.8</u>	mg/l
Magnesium	<u>1.2</u>	mg/l
Sodium (calculated)	_____	mg/l
Potassium	_____	mg/l
Sulfate	<u>100.0</u>	mg/l
Chloride	<u>64.0</u>	mg/l
Fluoride	_____	mg/l
Nitrate (as N)	_____	mg/l
Iron (01048)	_____	µg/l
Orthophosphate (00671)	_____	mg/l

Results from the Ground Water Monitoring Unit, Texas Water Development Board, P.O. Box 19231, Austin, TX 78711.

WE Quality Sampling Run

SWN: 40-16-501
 County: Maricopa
 Aquifer(s): 317 H5IN

Sample No. 202
 Date: 9/22/94 15:00
 By: D.R. Jones

Name: Cottonwood W.S.C.
 Address: 1913 N. Mar-ble
West IR. 76691

Bottle 1	Bottle 2	Bottle 3	Bottle 4	Bottle 5	Bottle 6	Bottle 7	Total SUB-Samples
1 liter	1 liter	1 liter	500 ml	1 QL.(glass)			4
Anions	Cations	Radioactivity	Nitrate	(TOC)Organics			
	V 2 ml HNO (Nitric)	V 2 ml HNO (Nitric)	V 1 ml H SO (Sulfuric)				
Preserve with:							

Water Level: --- LSD
 Temperature (00010): 41.4 °C
 Specific Conductance (00094): 1044 umhos/cm
 pH (00400): 8.04
 Eh (00090): -114.6 mv.
 Phenol ALK (82244): 0 mg/l
 Total ALK (39086): 272.0 mg/l
 Carbonate (00452): 0 meq/l
 Bicarbonate (00453): 7.44 meq/l
 Total Cations(+): ---
 Total Anions (-): ---
 Total Hardness (46570): 14
 Dissolved Solids(70301): 660

Time In: 06:00 @ 14:00 @ 14:18
 Time out: 15:30
 Weather: Hot & humid
 Outside Temp: 34.9 °C
 Sampling point: Forest on discharge in pump house

Time	pH	Temp	Eh	Cond.	ml.	pH	ml.	pH	ml.	pH
14:20	7.9	41.4		1068	1.0	7.71	12.0	6.17		
14:30	8.04	41.4		1068	2.0	7.43	14.0	6.00		
14:40	8.04	41.4		1068	3.0	7.20	16.0	5.71		
14:50	8.04	41.4		1068	4.0	7.06	18.0	5.06		
15:00	8.04	41.4		1068	5.0	6.93	18.6	4.48		
15:10	8.04	41.4		1068	6.0	6.87				
15:20	8.04	41.4		1068	7.0	6.75				
15:30	8.04	41.4		1068	8.0	6.66				
15:40	8.04	41.4		1068	9.0	6.57				
15:50	8.04	41.4		1068	10.0	6.47				

other notes:

All filtered unless otherwise stipulated. All on ice.

Texas Water Development Board
Chemical Water Analysis Report

HM. D.R.J. 1995. 203
 HM - Heavy Trace and Alkaline-Earth Metals

TWDB Use Only
Work No. <u>3120-11330</u>
IAC No. _____

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

Attention: Phil Nordstrom State Well Number: 40-16-501
 County: Mclennan Date & Time: 9/12/94 15:00
 Owner: Cottonwood W.S.G. Send Copy To Owner
 Address: 1012 N. Marable West, TX. Sampled After Pumping: 1 Hourly
 Date Drilled: 1965 Depth: 2,350 Yield: _____ GPM Measured Estimated
 Collection Point: Farm's on pH 8.04 Use: P.S. Temperature: 41.4 °C
 By: D.R. Jones Specific Conductance: 2044

Requested Chemical Analysis

Laboratory No.: XXXXXXXXXX Date Received: SEP 16 1994 Date Reported: NOV 14 1994

	mg/L		mg/L
Calcium (00815)	<u>3.8</u>	Sodium (00930)	<u>248</u>
Magnesium (00925)	<u>1.1</u>	Potassium (00935)	<u>3.2</u>
Lithium (01130)	<u>0.065</u>	(Convert to µg/L for Data Entry)	
	µg/L		µg/L
Aluminum (01106)	<u>29</u>	Manganese (01056)	<u>2.8</u>
Antimony (01095)	<u><2.0</u>	Mercury (71890)	<u><0.13</u>
Arsenic (01000)	<u><1.0</u>	Molybdenum (01060)	<u><50</u>
Barium (01005)	<u>76.4</u>	Nickel (01065)	<u><10</u>
Beryllium (01010)	<u><2.0</u>	Selenium (01145)	<u><4.0</u>
Cadmium (01025)	<u><0.5</u>	Silver (01075)	<u><10</u>
Chromium (01030)	<u><10</u>	Strontium (01080)	<u>281</u>
Cobalt (01035)	<u><10</u>	Thallium (01057)	<u><2.0</u>
Copper (01040)	<u><4.0</u>	Vanadium (01085)	<u><10</u>
Iron (01045)	<u>24.5</u>	Zinc (01090)	<u><10</u>
Lead (01049)	<u><5.0</u>		

Note: Crossout those elements not to be analyzed.

Texas Water Development Board
Chemical Water Analysis Report

RAD - DRJ-1995 202
 RAD - Radioactivity Sample

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

Send Reply To:
 Ground Water Unit
 Texas Water Development Board
 P.O. Box 18231
 Austin, Texas 78711

Attention: Phil Nordstrom State Well Number: 40-16-501
 County: Mulvaney Date & Time: 9/12/94 15:00
 Owner: Cattowood K.S.C. Send Copy To Owner
 Address: _____ Sampled After Pumping: _____ Hours
 Date Drilled: _____ Depth: _____ Yield: _____ GPM Measured Estimated
 Collection Point: _____ pH _____ Use: _____ Temperature: _____ °C
 By: D.R. Jones Specific Conductance: _____

Requested Chemicals: [REDACTED]
 Laboratory No: [REDACTED] Date Received: SEP 16 1994 Date Reported: OCT 19 1994

✓ Alpha	(01503)	<u>< 2.0</u>	pCi/l
✓ Beta	(03503)	<u>< 4.0</u>	pCi/l
Radium-226	(00503)	_____	pCi/l
Radium-228	(01504)	_____	pCi/l
Total Radium	(11500)	_____	pCi/l
Americium	(05403)	_____	pCi/l
Uranium	(00700)	_____	pCi/l

Texas Water Development Board
Chemical Water Analysis Report

GWR- D&J-1915-202
 (Anions)

TWDB Use Only	
Work No.	<u>3130-11320</u>
IAC No.	_____

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

Attention: Phil Nordstrom State Well Number: 40-16-501
 County: McLennan Date & Time: 9/12/94 15:00
 Owner: Cottonwood W.S.C. Send Copy To Owner
 Address: _____ Sampled After Pumping: _____ Hours
 Date Drilled: _____ Depth: _____ Yield: _____ GPM Measured Estimated
 Collection Point: _____ pH _____ Use: _____ Temperature: _____ °C
 By: D.B. Jones Specific Conductance: _____

Requested Chemical Analysis

OCT 10 1994

Laboratory No.:  Date Received: SEP 16 1994 Date Reported: _____

THD-Sample No.	EB4	1554	Date Received	09/16/94	Date Reported	10/08/94
	MEQ/L	MG/L		MEQ/L	MG/L	
Silica (00955)		20				
			Sulfate (00948)	2.00	96	
			Chloride (00941)	1.61	57	
			Fluoride (00950)	0.06	1.13	
P. Alkalinity (00415)	0.00	0				
T. Alkalinity (00410)	7.52	361				
			Bromide (71876)		0.30	

* Convert mg/l Barium to µg/l for data entry.

80003-C
 July 1991

Texas Water Development Board
Chemical Water Analysis Report

OWN- DRJ-1995-202
 (Nitrogen Cycle)

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

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

Attention: Phil Nordstrom State Well Number: 40-16-501
 County: Mclennan Date & Time: 9/12/94 15:00
 Owner: Cottonwood W.S.Co. Send Copy To Owner
 Address: _____ Sampled After Pumping: _____ Hours
 Date Drilled: _____ Depth: _____ Yield: _____ GPM Measured Estimated
 Collection Point: _____ pH _____ Use: _____ Temperature: _____ °C
 By: D. R. Jones Specific Conductance: _____

Requested Chemical Analysis _____ Date Received: SEP 16 1994 Date Reported: SEP 23 1994
 Laboratory No. [REDACTED]

THD-Sample No.	Date Received	Date Reported	Analysis
EB4 1553	09/16/94	09/22/94	00629- 0.7 TKN as N mg/L
			00608- 0.54 Ammonia as N mg/L
			00619- < 0.01 Nitrite as N mg/L
			00618- < 0.01 Nitrate as N mg/L

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

TWDB GROUNDWATER DATA (*Explanation*)

Rec	OBJECT	State Well Number	Owner	Water Use	Elevation	Well Depth	Water Level	Water Quality	Aquifer Code	Latitude	Longitude	COUNTY_CODE	WELL_TY
1	54517853	4016501	Cottonwood Water	P	585	2350	H	Y	217HSTN	314958	970249	309	W

Southern Trinity Groundwater Conservation District

P. O. Box 2205

Waco, Texas 76703

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

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

September 20, 2010

Cottonwood Water Supply Corporation
P.O. Box 569
West, Texas, 76691

RE: Application No. HUPP-2010-046

Please be advised that the Southern Trinity Groundwater Conservation District (the "District") received your Historic Use Production Permit Application. Pursuant to §9.207 of the District's Rules, the District's General Manager has reviewed your application and has determined that the application is administratively complete. The General Manager has conducted a technical review of the application and will recommend to the District's Board of Directors that it consider issuing the Historical Use Production Permit for an annual production of groundwater not to exceed 66.1947 acre-feet. Attached to this letter is a copy of the Technical Summary, the proposed draft permit, and notice of the permit hearing date and location.

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

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

Sincerely,



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

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

Technical Review Summary

Well Owner: Cottonwood Water Supply Corporation,
P.O. Box 569,
West, Texas, 76691

Application Summary For HUPP-2010-046:

Aquifer: Trinity

Annual production of groundwater not to exceed: 66.1947 acre-feet

Year of Maximum Historic Use: 2009

Hearing Group: 3

Location of Each Point of Withdrawal:

Latitude/Longitude (NAD83):

N31D 49M 54S / W97D 02M 46S

Reasons and Technical Basis for Recommended Action

The applicant submitted documentation other information that, in the opinion of the General Manager, reasonably showed evidence of Historical Use Production from the Trinity Aquifer of 66.1947 acre-feet during the calendar year of 2009.

Proposed Purpose of Use

All groundwater produced under the proposed permit is restricted to Municipal Use within the Applicant's Water Service Area as defined by the Applicant's Certificate of Convenience and Necessity 10015 issued by the Texas Commission on Environmental Quality.

General Manager May Modify Recommendations or Request Additional Information

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

Request for Contested Case Hearing

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

AFFIDAVIT

THE STATE OF TEXAS

§

§

COUNTY OF MCLENNAN

§

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

“My name is _____. 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 **HUPP-2010-046.**”

Affiant

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

Notary Public in and for the State of Texas

HISTORIC USE PRODUCTION PERMIT

THIS CERTIFIES THAT: Cottonwood Water Supply Corporation
P.O. Box 569
West, Texas 76691
Phone: 254-716-2865

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

Permit Category

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

Permit Term

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

Groundwater Source

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

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: **66.1947 acre-feet per calendar year**. This groundwater withdrawal amount has been calculated pursuant to Section 5.211 of the District's rules. It may be subject to proportional adjustment pursuant to Chapter 5, Subchapter B of the District's rules, as may be amended.

Purpose of Use

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

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

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 49M 54S / W97D 02M 46S	145

Measurement of Amount of Groundwater Withdrawn

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

Place of Use

Permittee may beneficially use Aquifer groundwater only within the Permittee's wholesale or retail water service area identified in the Certificate of Convenience and Necessity 10015, filed with the Texas Commission on Environmental Quality. Except as provided by 5.401(b) of the District's rules, as may be amended, if the place of use is not within the District's boundaries, Permittee must obtain a groundwater exportation permit from the District prior to the withdrawal of groundwater under the permit.

Well Construction, Operation, Maintenance, Closure

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

Water Conservation

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

Conveyance to Place of Use

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

Meters; Alternative Measuring Method

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

Reports

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

Fees

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

Interruption, Suspension, or Other Limitations Due to Drought

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

Groundwater Management Plan

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

Water Quality

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

Transfers and Amendments

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

Permit Review, Renewal or Extension Conditions

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

Change of Name, Address or Telephone Number

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

Inspections by District

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

Additional Conditions

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

Enforcement

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

Continuing Jurisdiction of District

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

Permit Recordation

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

References to Law

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

Other Matters Denied

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

THIS PERMIT IS ISSUED, EXECUTED THIS 6th day of October, 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 October 6, 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

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: Wednesday, October 6, 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:

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 487.3884 acre-feet (151641000 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 48M 58S / W97D 05M 33S.

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 267.3430 acre-feet (87114000 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 23M 19S / W97D 06M 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 347.4870 acre-feet (113229000 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 22M 02S / W97D 13M 29S, N31D 22M 02S / W97D 13M 28S, N31D 19M 02S / W97D 18M 22S, N31D 17M 47S / W97D 15M 13S, N31D 19M 22S / W97D 14M 12S.

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 (27510000 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 40M 03S / W97D 04M 59S, N31D 39M 41S / W97D 03M 32S.

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 (87991100 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 44M 24S / W97D 15M 13S, N31D 43M 51S / W97D 14M 38S, N31D 44M 35S / W97D 15M 32S.

City of Crawford, 6719 North Lonestar Parkway, Crawford, Texas, 76638 filed an application on 4/5/2010. The proposed HUPP has a maximum annual withdrawal of 140.1822 acre-feet (45678500 gallons) for municipal use

pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 31M 59S / W97D 27M 05S, N31D 31M 35S / W97D 27M 43S.

CS Community WSC, P.O. Box 385, China Spring, Texas, 76633 filed an application on 4/5/2010. The proposed HUPP has a maximum annual withdrawal of 55.1193 acre-feet (17960670 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 39M 13S / W97D 18M 44S.

South Bosque Water Supply Corporation, 536 River Park, McGregor, Texas, 76657 filed an application on 4/5/2010. The proposed HUPP has a maximum annual withdrawal of 18.2148 acre-feet (5935300 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 29M 34S / W97D 17M 22S.

H & H Water Supply Corporation, 192 Old Hallsburg Rd., Riesel, Texas, 76682 filed an application on 4/16/2010. The proposed HUPP has a maximum annual withdrawal of 212.7792 acre-feet (69334300 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 31M 20S / W96D 59M 22S, N31D 31M 14S / W96D 59M 04S.

Prairie Hill Water Supply Corporation, 5337 A Hwy 73, Prairie Hill, Texas, 76678 filed an application on 4/21/2010. The proposed HUPP has a maximum annual withdrawal of 210.0791 acre-feet (68454500 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 38M 00S / W96D 54M 14S, N31D 37M 38S / W96D 54M 58S.

Hilltop Water Supply Corporation, P.O. Box 127, Itasca, Texas, 76055 filed an application on 4/30/2010. The proposed HUPP has a maximum annual withdrawal of 105.0262 acre-feet (34222900 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 46M 52S / W97D 05M 47S, N31D 46M 39S / W97D 04M 20S, N31D 47M 06S / W97D 04M 30S.

Windsor Water Company, 186 New Windsor Parkway, Waco, Texas, 76712 filed an application on 4/23/2010. The proposed HUPP has a maximum annual withdrawal of 131.1642 acre-feet (42740000 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 38M 47S / W96D 58M 30S, N31D 31M 07S / W97D 17M 35S.

City of McGregor, 302 South Madison St., McGregor, Texas, 76657 filed an application on 4/30/2010. The proposed HUPP has a maximum annual withdrawal of 225.1041 acre-feet (119000000 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 26M 35S / W97D 24M 53S, N31D 26M 06S / W97D 25M 10S, N31D 26M 05S / W97D 24M 01S, N31D 25M 09S / W97D 24M 59S, N31D 24M 55S / W97D 25M 27S, N31D 24M 22S / W97D 26M 17S,

Moore Water System, 476 Beaver Ln., Waco, Texas, 76705 filed an application on 4/29/2010. The proposed HUPP has a maximum annual withdrawal of 19.6324 acre-feet (6397231 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 37M 39S / W96D 59M 42S, ,

East Crawford Waster Supply Corporation, P.O. Box 180, Crawford, Texas, 76638 filed an application on 4/30/2010. The proposed HUPP has a maximum annual withdrawal of 229.8894 acre-feet (74909700 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 33M 06S / W97D 23M 18S, W31D 31M 40S / W97D 19M 04S.

North Bosque Water Supply Corporation, P.O. Box 8581, Waco, Texas, 76714 filed an application on 4/30/2010. The proposed HUPP has a maximum annual withdrawal of 411.2647 acre-feet (134011000 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 36M 24S / W97D 18M 32S, N31D 35M 49S / W97D 21M 37S, N31D 36M 24S / W97D 19M 01S,

Cross Country Water Supply Corporation, P.O. Box 87, China Spring, Texas, 76633 filed an application on 4/30/2010. The proposed HUPP has a maximum annual withdrawal of 498.1268 acre-feet (162315100 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 40M

56S / W97D 16M 45S, N31D 40M 59S / W97D 16M 34S, N31D 41M 12S / W97D 19M 47S, N31D 40M 48S / W97D 15M 25S.

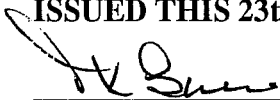
City of Hewitt, P.O. Box 610, Hewitt, Texas, 76643 filed an application on 4/30/2010. The proposed HUPP has a maximum annual withdrawal of 2083.2675 acre-feet (678834800 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 27M 37S / W97D 10M 37S, N31D 26M 55S / W97D 15M 42S, N31D 27M 30S / W97D 12M 22S, N31D 25M 44S / W97D 14M 32S, N31D 27M 18S / W97D 12M 55S, N31D 26M 22S / W97D 12M 51S.

City of Mart, 112 N. Commerce, Mart, Texas, 76664 filed an application on 4/30/2010. The proposed HUPP has a maximum annual withdrawal of 183.4090 acre-feet (59764000 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 34M 35S / W96D 55M 32S.

Cottonwood Water Supply Corporation, P.O. Box 569, West, Texas, 76691 filed an application on 5/3/2010. The proposed HUPP has a maximum annual withdrawal of 66.1947 acre-feet (21569600 gallons) for municipal use pumped from well(s) located at the following latitude(s)/longitude(s) (NAD83): N31D 49M 54S / W97D 02M 46S.

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 October 1, 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 23th DAY OF SEPTEMBER 2010.



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

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(1)

Southern Trinity Groundwater Conservation District

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

July 27, 2010

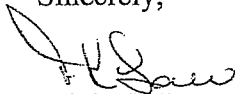
Cottonwood Water Supply Corporation
Cody Drago, President
P. O. Box 569
West, Texas 76691

Mr. Drago,

I am allowing you the requested 30-day extension in order to complete you Historic Use Production Permit Application.

Please feel free to call the office should you have any questions.

Sincerely,



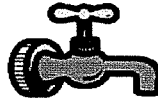
Tricia K. Law
General Manager

8/20/10 Talked to Mr. Drago - Paperwork sent
this week.

9/16/10

Cottonwood Water Supply Corporation

***PO Box 569
West, Texas 76691***



Certified mail – return receipt requested

July 14, 2010

Ms. Tricia K. Law, General Manager
Southern Trinity Groundwater Conservation District
P.O. Box 2205
Waco, Texas 76703

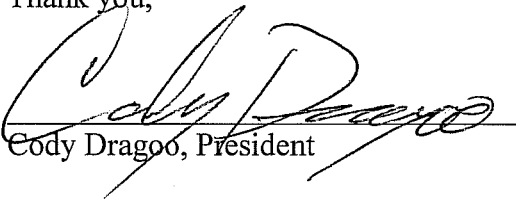
Re: HUPP Application No. HUPP-2010-046

Dear Ms. Law:

We are in receipt of your letter dated June 25, 2010, stating that Cottonwood WSC's application is not administratively complete.

We hereby request a time extension of 30 days (August 25, 2010) to comply with the requirements outlined in your letter and to accurately correct the deficiencies stated therein.

Thank you,


Cody Drago, President

Southern Trinity Groundwater Conservation District
P. O. Box 2205
Waco, Texas 76703
Phone 254 759-5610 Fax 254 754-9480
Email southerntrinitygcd@att.net

NOTICE OF DEFICIENCY OF HISTORIC USE PRODUCTION
PERMIT APPLICATION

June 25, 2010

Cottonwood Water Supply Corporation
Cody Drago
P. O. Box 569
West, Texas 76691

Re: Historic Use Production Permit
Application No. HUPP-2010-046

Mr. Drago,

Please be advised that the Southern Trinity Groundwater Conservation District (the "District") received your Historic Use Production Permit Application on May 3, 2010. Pursuant to § 9.209 of the District's Rules, the District's general manager has reviewed your application and has determined that the application is not administratively complete. More specifically, the application has the following deficiencies:

1. Part A Line 12 is not backed up by documentation (well logs).
2. Copies of Deeds of each well.
3. Copy of Drought Contingency Plan

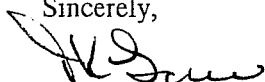
You must submit documentation to the District within 30 days of your receipt of this letter or your incomplete application will be returned to you.

The above deficiencies were discovered during the preliminary review of your application. Your application is currently under additional review. The District will inform you in writing if any additional information or clarifications are required, or that your application is administratively complete.

If you have any questions concerning this matter or the District's Historic Use Production Permit program in general, please call Tricia K. Law at (254) 759-5610.

Please keep this letter as a permanent record for your file.

Sincerely,



Tricia K. Law
General Manager

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: Cottonwood Water Supply Corporation		
Physical Address: Well Site - North Czech Hall Road		
City: West	State: Texas	Zip Code: 76691
Mailing Address, (if different): P.O. Box 569		
City: West	State: Texas	Zip Code: 76691
Daytime Telephone Number: Fax: 254-716-2865 or 254-826-7737		
Email Address (if any): kem368@aol.com		
2. Name of Authorized Agent (if any): Cody Drago		
Position: President		
Physical Address:		
City:	State:	Zip Code:
Mailing Address (if different): P.O. Box 569		
City: West	State: Texas	Zip Code: 76691
Daytime Telephone Numbers of Authorized Agent: 254-709-9931 Fax:		
Email for Authorized Agent (if any):		
Date Application Received:	Date Admin. Fee Received:	Amount of Fee:

RECEIVED
 For District Use Only
 MAY 03 2010
 BY: *[Signature]*

RECEIVED
 MAY 03 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): Domestic Public Water

4. Purpose of Future Use: Same

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: 198

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: 21,569,600 Units: Gallons Year: 2009

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: 21,569,600 Units: Gallons

2008 Amount: 16,628,900 Units: Gallons

2007 Amount: 16,511,500 Units: Gallons

2006 Amount: 20,426,500 Units: Gallons

2005 Amount: 17,455,600 Units: Gallons

2004 Amount: Units:

2003 Amount: Units:

2002 Amount: Units:

2001 Amount: Units:

2000 Amount: Units:

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: 
 Printed Name: Cody Drago

Date: 4-29-10
 Title: President

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

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

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

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

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

STATE OF TEXAS §

§

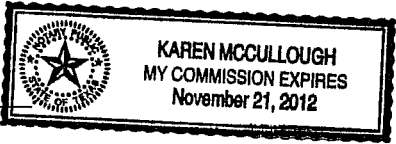
COUNTY OF §

BEFORE ME, a notary public, on this day personally appeared: Cody Drago,
President of Cottonwood WSC 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 29th day of April, 2010.

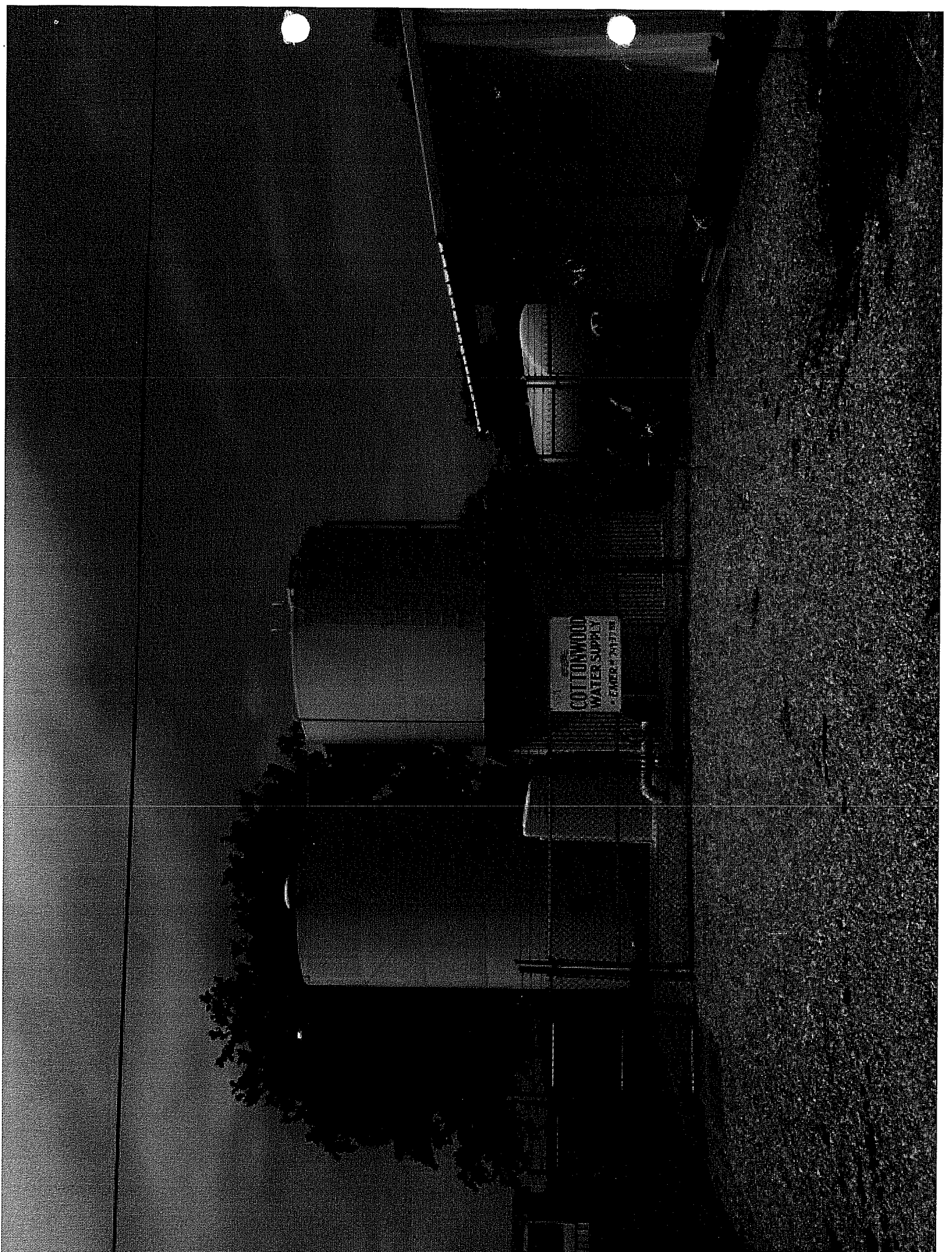
Karen McCullough

Notary Signature



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

1. Applicant Name: Cottonwood Water Supply Corporation			
2. Well Identifier or Well Name: Well No. 1 - N. Czech Hall Road			
3. System Name: Cottonwood Water Supply Corporation			
4. TCEQ System ID Number: 1550022			
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: State Well #4016501			
7. Aquifer(s) or formations in which the well is screened: Trinity (see attached map)			
8. Address of the property upon which the well is located: N. Czech Hall Road, West, Texas			
9. Well Location:	Latitude:	31 D	49 M 54 S
	Longitude:	97 D	2 M 46 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. (See attached State Well Report)			
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: 1965 Year well completed and operational: 1965			
15. Pump Information: Pump Make and Model: Crown			
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:		inches	Inside diameter of column pipe: inches
16. The maximum rate at which water can be withdrawn from the well: 145 gpm			
17. Flow Meter Make and Model: Sensus 3" Meter - Model W-3508			
Serial Number: 1633441		Meter Units: 100ths	
Meter reading end of 2008: Amount: 18743100		Units: 100ths	Date: 12-31-08
Meter reading end of 2009: Amount: 40312700		Units: 100ths	Date: 12-31-09



COTTONTOWN
WATER SUPPLY
EVERETT, MISSISSIPPI

SECTION D.
GEOGRAPHIC AREA SERVED

CERTIFICATE OF CONVENIENCE AND NECESSITY

To Provide Water Service Under V.T.C.A., Water Code
and Texas Commission on Environmental Quality Substantive Rules

Certificate No. 10015

I. Certificate Holder:

Name: Cottonwood Water Supply Corporation
Address: P.O. Box 569
West, Texas 76691

II. General Description and Location of Service Area:

See attached General Description of Service Area.

III. Certificate Maps:

The certificate holder is authorized to provide water service in the area identified on the Commission's official service area map, WRS-255, maintained in the offices of the Texas Commission on Environmental Quality, 12015 Park 35 Circle, Austin, Texas with all attendant privileges and obligations.

This certificate is issued under Application No. 30999-C and subject to the rules and orders of the Commission, the laws of the State of Texas, conditions contained herein and may be revoked for violations thereof. The certificate is valid until amended or revoked by the Commission.

COTTONWOOD WATER SUPPLY CORPORATION
McLennan County
Water CCN Service Area Description
(Facilities plus 200 Feet)

A 400' wide strip, being the water distribution main plus 200 feet on each side of the main generally located in the Northeast corner of McLennan County east of Interstate Highway 35 and the approximate service area being bounded by the area described as follows:

BEGINNING at the intersection of Interstate Highway 35 access road and County Line East Road near the McLennan County and Hill County boundary,

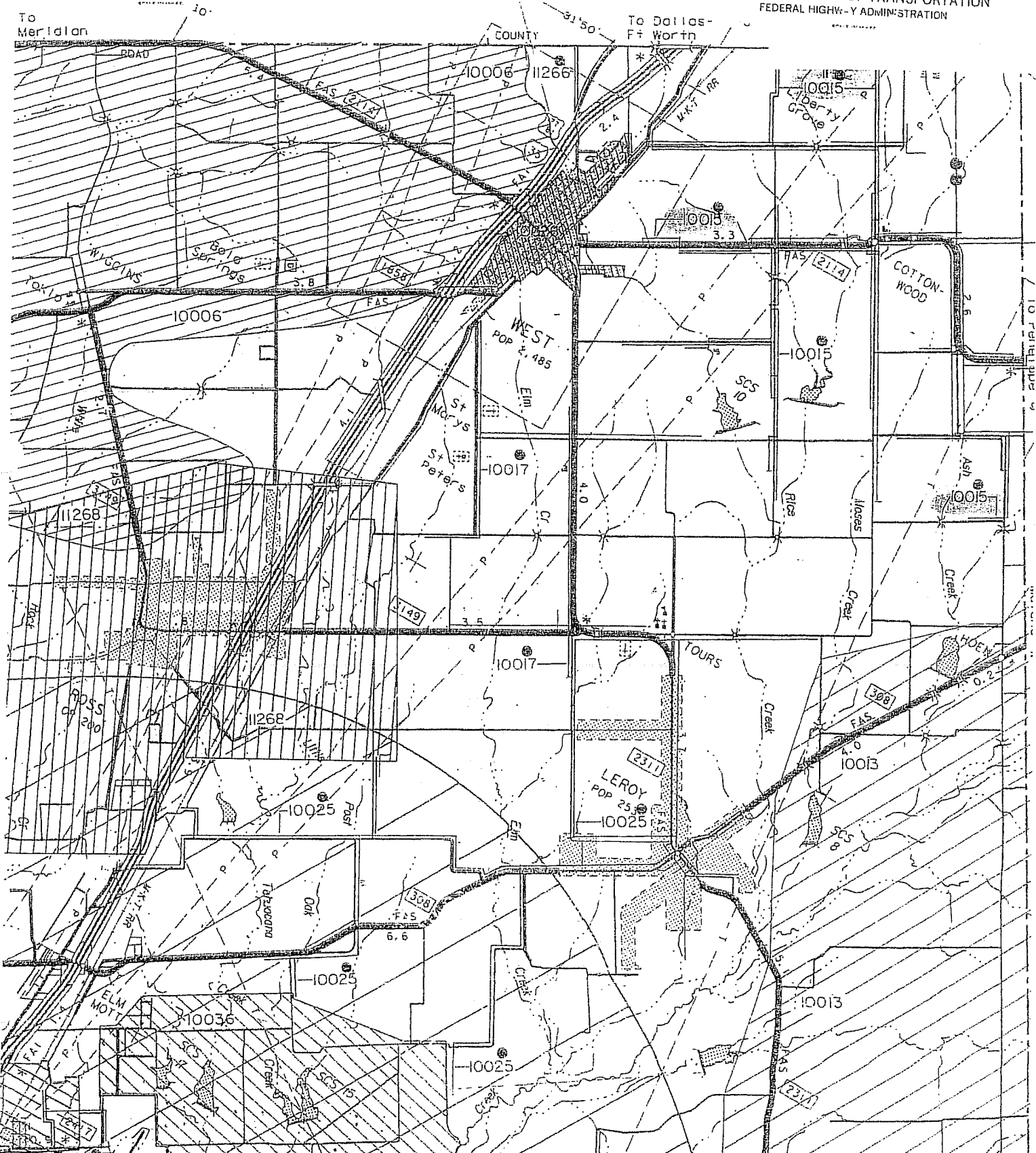
- THENCE North along the Interstate Highway 35 access road to the McLennan County and Hill County boundary;
- THENCE Northeast along the McLennan County and Hill County boundary approximately three and one half miles to the most northerly corner of McLennan County;
- THENCE Southeast along the McLennan County and Hill County boundary approximately four and two-tenths miles to its intersection with East Crabb Road;
- THENCE Southwest along East Crabb Road approximately one-eighth of a mile to its intersection with County Line North Road;
- THENCE Southeast along County Line North Road approximately one mile to its intersection with Snider Road;
- THENCE Southwest along Snider Road approximately two miles to its intersection with Mynar Road;
- THENCE Northwest along Mynar Road approximately two miles to its intersection with Mechell Road;
- THENCE Southwest along Mechell Road approximately two miles to its intersection with FM 2311;
- THENCE Northwest along FM 2311 approximately three-fourths of a mile to its intersection with Playdium Drive;
- THENCE Northwest along Playdium Drive approximately one mile to its intersection with Jerry Mashek Drive;
- THENCE North along Jerry Mashek Drive approximately seven-eighths of a mile to its intersection with Grady Calvary Road;
- THENCE Northwest along Grady Calvary Road approximately seven-eighths of a mile to Interstate Highway 35 access road;
- THENCE North along the Interstate Highway 35 access road to the point of BEGINNING.

GENERAL HIGHWAY MAP MCLENNAN COUNTY TEXAS

PREPARED BY THE
STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION
TRANSPORTATION PLANNING DIVISION
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

GENERAL HIGHWAY MAP MCLENNAN COUNTY TEXAS

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U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION



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OFFICIAL PUBLIC RECORDS

J.A. Andy Harwell

October 16, 2007 02:45:44 PM

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FEE: \$27.00

J.A. "Andy" Harwell County Clerk

McLennan County TEXAS

STATE OF TEXAS
COUNTY OF ...
HEREBY ...
A ...

JAN -5 2007

BOOK ...
RECORDED ...

Richard S. Bassett

ALTERNATE ...
TEXAS ...

COTTONWOOD WATER SUPPLY CORPORATION

Hill County

Water CCN Service Area Description

(Facilities plus 200 Feet)

Hill County Strip #1:

A 400' wide strip, being the water distribution main plus 200 feet on each side of the main BEGINNING in the centerline of Hill County Road 3116 W at the intersection of the Hill County, McLennan County boundary, THENCE Northwest along the centerline of Hill County Road 3116 W; one-eighth of a mile to the end of the water main

Hill County Strip #2:

A 400' wide strip, being the water distribution main plus 200 feet on each side of the main BEGINNING in the centerline of Four Brothers Road at the intersection of the Hill County, McLennan County boundary, THENCE Northeast along the centerline of Four Brothers Road to its intersection with Hill County Road 3112;

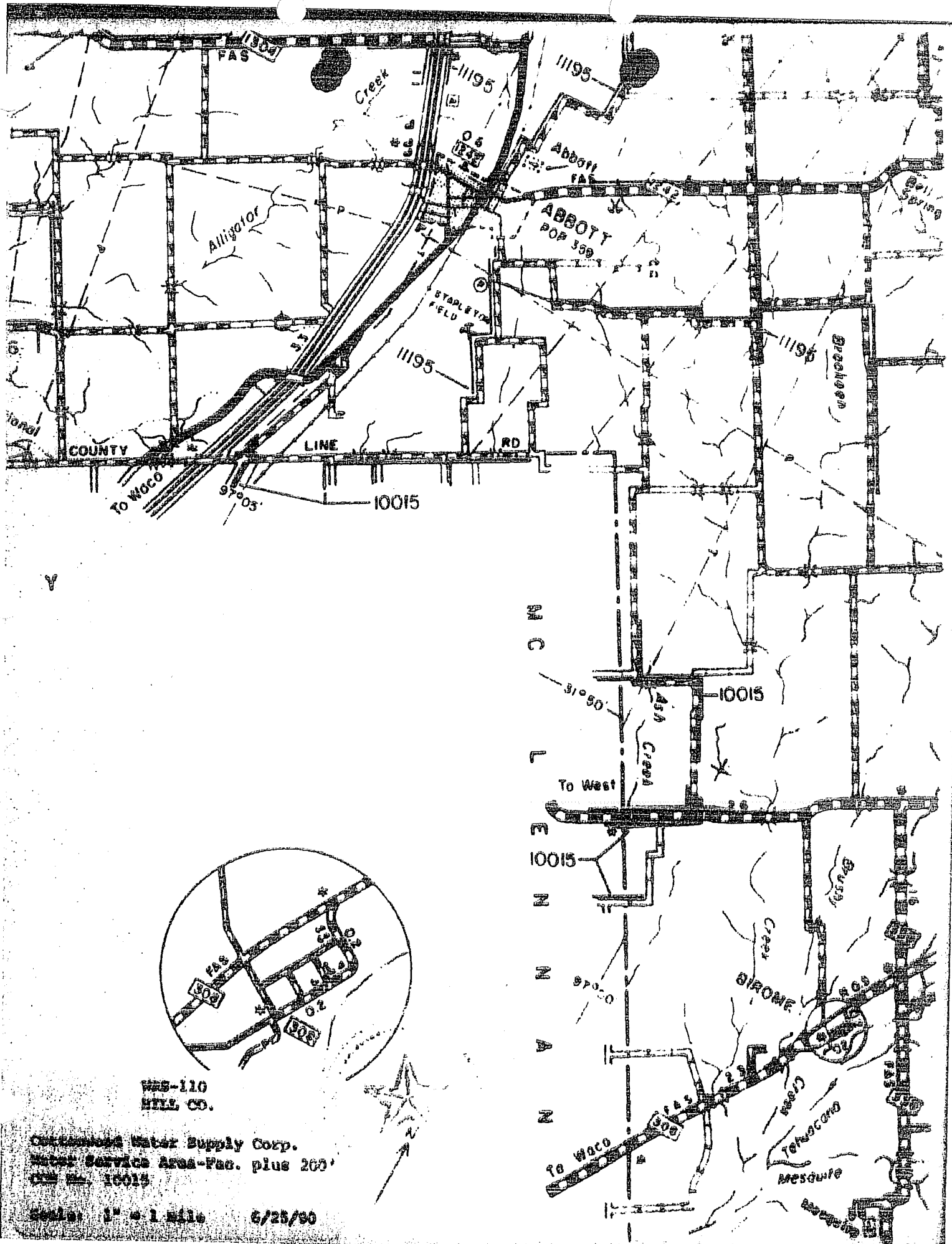
THENCE From the road intersection extending in two directions
(1) Northwest along the centerline of Hill County Road 3112 one-half mile to the end of the water main and,
(2) Southeast along the centerline of Hill County Road 3112 one-tenth of a mile to a 90 degree turn to the Northeast and continuing three-quarters of a mile to its intersection with Hill County Road 3206, then turning Southeast along the centerline of Hill County Road 3112 eight-tenths of a mile to its intersection with Hill County Road 3109;

THENCE From the road intersection extending in two directions
(1) Northeast along the centerline of Hill County Road 3109, four-tenths of a mile to the end of the water main and,
(2) Southeast along the centerline of Hill County Road 3112, one-half of a mile to its intersection with FM 2114 (Cottonwood Road)

THENCE From the road intersection in two directions
(1) Northeast along the centerline of FM 2114 (Cottonwood Road) one-quarter of a mile to its intersection with Hill County Road 3231 and then Southeast along the centerline of Hill County Road 3231 four-tenths of a mile to the end of the water main.
(2) Southwest along the centerline of FM 2114 (Cottonwood Road) seven-tenths of a mile to the Hill County and McLennan County boundary line.

Hill County Strip #3:

A 400' wide strip, being the water distribution main plus 200 feet on each side of the main BEGINNING in the centerline of Hill County Road 3231 at the intersection of the Hill County, McLennan County boundary, THENCE Northeast along the centerline of Hill County Road 3231, one-third of a mile to its intersection with Hill County Road 3230.



WSS-110
HILL CO.

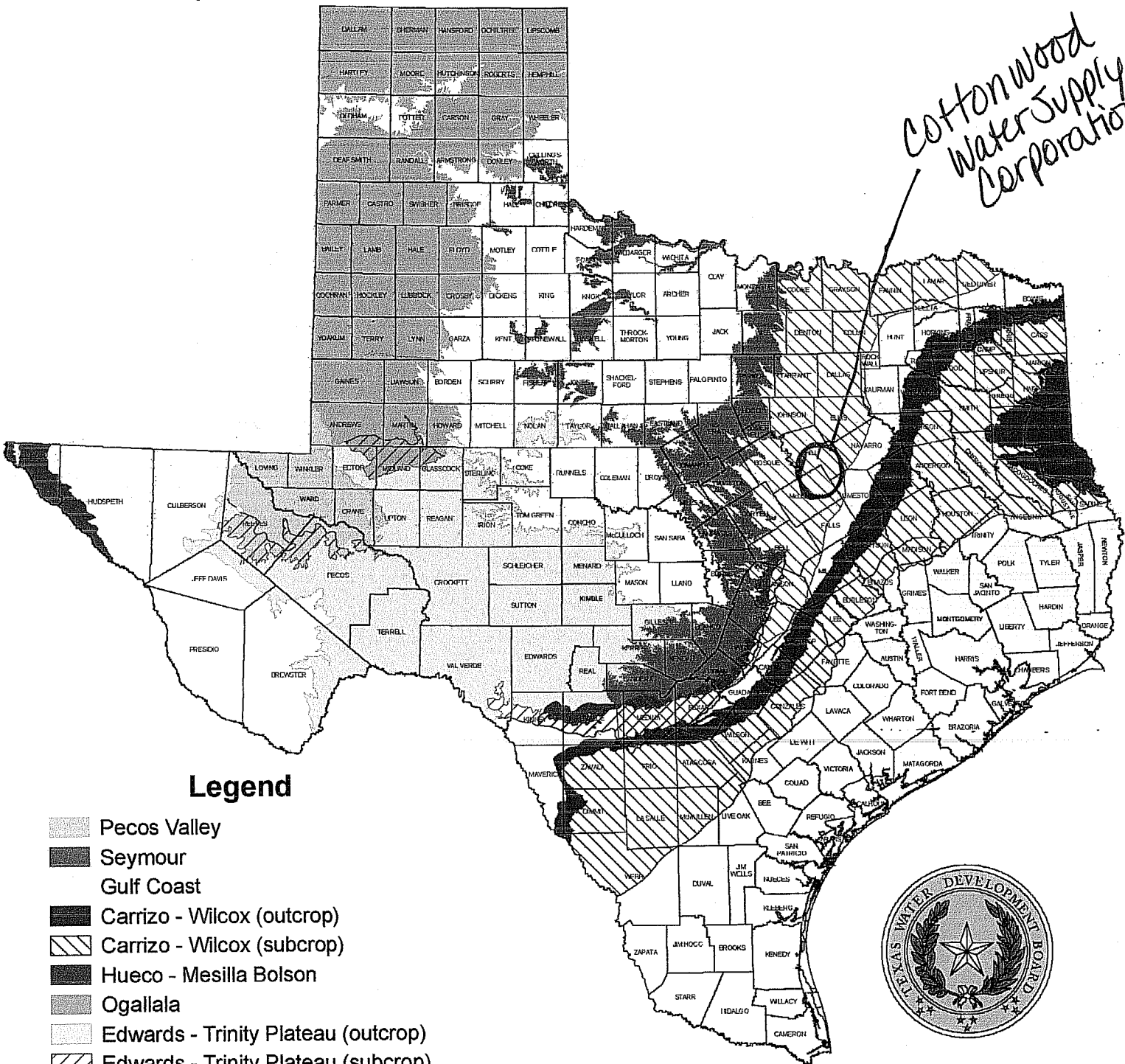
Corpus Christi Water Supply Corp.
Water Service Area-Fac. plus 200'
Ord. No. 10015

Scale: 1" = 1 mile 6/25/90

State Well Number	Owner	Latitude	Longitude	Date Drilled	Well Depth	Casing Info.	Aquifer	Elevation	Water Levels	Lift	Power Use	Remarks
4016403	City of West #3	314842	970541	00/00/1953	2088		217HSTN	645	3 measurements 1953 to 1960 MIN -218 MAX -188	T	E P 100.00 hp	Perforated. Pump set at 630 ft. Reported yield 365 gpm. Cemented from 1863 ft to surface.
4016404	City of West Well #4	314916	970520	00/00/1968	1977		217HSTN	645	29 measurements 1969 to 2009 MIN -791 MAX -283	N	U	Screened from 1870 to 1977 ft. Pumping level 512 ft at 250 gpm on Jan. 7, 1968. Pump set at 700 ft. Cemented from 1870 ft to surface. Well drilled to 2000 ft. and plugged back to 1977 ft. Observation well.
4016405	City of West #6	314857	970533	06/01/1999	1924	C 18 0 16 C 12 0 1800 C 6 1685 1810 S 6 1810 1924	217HSTN	644	1 measurement 1999 -698	S	E N	Reported yield 350 GPM with 300 feet drawdown after pumping 36 hours in 1999. Specific capacity 1.17 GPM/feet.
4016501	Cottonwood Water Supply	314958	970249	02/25/1965	2350		217HSTN	585	9 measurements 1965 to 1995 MIN -620 MAX -182.65	S	E P	Gun perforated with 56 shots 2278 to 2306 ft. 13 shots 2312 to 2318 ft and 38 shots 2323 to 2342 ft. Pumping level 306 ft at 100 gpm on Feb. 25, 1965. Cemented. Observation well. Aquifer test results in TWDB R-195.
4016502	C.A.Russell No.1	314958	970413	00/00/1955	704		NOT-APPL	617		N	U	
4016503	Alfred Brem No.1	314802	970459	00/00/1955	776		NOT-APPL	605		N	U	
4016701	Hilltop Water Supply #1	314653	970547	00/00/1964	2430		217HSTN	635	1 measurement 1964 -180	S	E P	Gun perforated with 37 shots 2380 to 2398 ft and 29 shots 2406 to 2420 ft. Pump set at 550 ft. Cemented from 58 ft to surface.

Major Aquifers of Texas

Cottonwood Water Supply Corporation

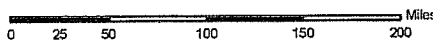
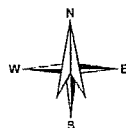


Legend

- Pecos Valley
- Seymour
- Gulf Coast
- Carrizo - Wilcox (outcrop)
- Carrizo - Wilcox (subcrop)
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop)
- Trinity (outcrop)
- Trinity (subcrop)

NOTE: Chronology by Geologic age.

OUTCROP (portion of a water-bearing rock unit exposed at the land surface)
 SUBCROP (portion of a water-bearing rock unit existing below other rock units)



DISCLAIMER
 This map was generated by the Texas Water Development Board using GIS (Geographic Information System) software. No claims are made to the accuracy or completeness of the information shown herein nor to its suitability for a particular use. The scale and location of all mapped data are approximate.

Map updated December 2006 by Mark Hayes, GISP