

**NORTH TEXAS
GROUNDWATER
CONSERVATION
DISTRICT**

PERMIT HEARING AND BOARD MEETING

Pilot Point ISD Administration Office
829 S. Harrison St.
Pilot Point, TX 76258

**TUESDAY
MAY 11, 2021
10:00 AM**

NOTICE OF PUBLIC MEETING

OF THE
BOARD OF DIRECTORS of the

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

Tuesday, May 11, 2021 at 10:00 a.m.

**IN-PERSON MEETING LOCATION:
Pilot Point ISD Administration Office
829 S. Harrison St.
Pilot Point, TX 76258**

Notice is hereby given that a quorum of the Board of Directors of the North Texas Groundwater Conservation District ("District") will hold public hearings and a Board meeting in-person beginning at 10:00 a.m. on Tuesday, May 11, 2021 at the Pilot Point ISD Administration Office located at 829 S. Harrison St., Pilot Point, Texas 76258.

Board Member Qualification for Office

Board Member qualification for office will begin at 10:00 a.m.

1. Administer Oath of Office to new and reappointed Board Members.
2. Receive signatures on Oath of Office and Statement of Appointed Officer forms.

Permit Hearing

The Permit Hearing will begin immediately upon completion of the Board Member qualification for office.

Notice is hereby given that the Board of Directors of the North Texas Groundwater Conservation District ("District") will conduct a permit hearing on the following Production Permit Applications:

Agenda:

1. Call to Order; establish quorum; declare hearing open to the public; introduction of Board.
2. Public Comment on the Production Permit Applications (verbal comments limited to three (3) minutes each).
3. Review the Production Permit Applications of:

New Production Permits

Applicant: Denton County Municipal Utility District No. 5; 1980 Post Oak Blvd, Suite 1380, Houston, TX 77056

Location of Well: 1235 Longhorn Drive, Aubrey, TX 76227; Latitude: 33.196972°N, Longitude: 96.983583°W; About 140 feet east of the Bonanza Street and Longhorn Drive intersection.

Purpose of Use: Pond(s)/Surface Impoundment(s)

Requested Amount of Use: 500,000 gallons per year

Production Capacity of Well: 55 gallons per minute

Aquifer: Woodbine Aquifer

Applicant: Prestonwood Baptist Church, Inc.; 6801 W. Park Blvd, Plano, TX 75093

Location of Well: 6801 W. Park Blvd, Plano, TX 75093; Latitude: 33.0301709°N, Longitude: 96.8518608°W; About 170 feet east of the Marsh Lane and Cedar Elm Drive intersection.

Purpose of Use: Landscaping Irrigation and Pond(s)/Surface Impoundment(s)

Requested Amount of Use: 26,380,000 gallons per year

Production Capacity of Well: 195 gallons per minute

Aquifer: Trinity (Paluxy) Aquifer

4. Consider and act upon the Production Permit Applications, including designation of parties and/or granting or denying the Production Permit Applications in whole or in part, as applicable.
5. Adjourn or continue permit hearing.

Board Meeting

The regular Board Meeting will begin upon adjournment of the above noticed Permit Hearing.

Notice is hereby given that the Board of Directors of the North Texas Groundwater Conservation District ("District") may discuss, consider, and take all necessary action, including expenditure of funds, regarding each of the agenda items below:

Agenda:

1. Pledge of Allegiance and Invocation.
2. Call to order, establish quorum; declare meeting open to the public.
3. Public comment.
4. Consider and act upon approval of the minutes from the April 13, 2021, Board meeting.
5. Consider and act upon approval of invoices and reimbursements, Resolution No. 2021-5-11-01.
6. Receive reports from the following Committees*:
 - a. Budget and Finance Committee
 - 1) Receive Monthly Financial Information
7. Update and possible action regarding the process for the development of Desired Future Conditions (DFCs).
8. Consider and act upon compliance and enforcement activities for violations of District rules.

- a. Lawsuit against Hydrous Wake Parks for continued violations of District rules.
9. Consider and act upon authorizing purchase of Acoustic Water Level Measuring Devices.
10. General Manager's Report: The General Manager will update the board on operational, educational and other activities of the District.
 - a. District's Disposal/Injection Well Program
 - b. District's database
 - c. Well Registration Summary
 - d. Legislative Update
11. Open forum / discussion of new business for future meeting agendas.
12. Adjourn public meeting.

* Reports from District standing committees will include a briefing by each committee for the Board on the activities of the committee, if any, since the last regular Board meeting.

The above agenda schedule represents an estimate of the order for the indicated items and is subject to change at any time.

These public meetings are available to all persons regardless of disability. If you require special assistance to attend the meeting, please call (855) 426-4433 at least 24 hours in advance of the meeting to coordinate any special physical access arrangements.

For questions regarding this notice, please contact Velma Starks at (855) 426-4433, at ntgcd@northtexasgcd.org, or at 5100 Airport Drive, Denison, TX 75020.

At any time during the meeting or work session and in compliance with the Texas Open Meetings Act, Chapter 551, Government Code, Vernon's Texas Codes, Annotated, the North Texas Groundwater Conservation District Board may meet in executive session on any of the above agenda items or other lawful items for consultation concerning attorney-client matters (§551.071); deliberation regarding real property (§551.072); deliberation regarding prospective gifts (§551.073); deliberation regarding personnel matters (§551.074); deliberation regarding security devices (§551.076); and deliberation regarding cybersecurity (§551.089). Any subject discussed in executive session may be subject to action.

ATTACHMENT 4

**MINUTES OF THE BOARD OF DIRECTORS' BOARD MEETING AND PUBLIC HEARING
NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT**

Tuesday, April 13, 2021 at 10:00 a.m.

**Pilot Point ISD Administration Office
829 S. Harrison St.
Pilot Point, TX 76258**

Please note for in-person attendance that the Board meeting location can only accommodate a limited number of attendees in order to comply with state requirements related to in-person gatherings. In the event in-person attendance exceeds any state or local requirements, the District may provide an option for virtual participation for any overflow attendees as necessary and authorized by law.

Members Present: Thomas Smith, Ronny Young, Allen Knight, Lee K. Allison, Ron Sellman, and Joe Helmberger

Members Absent: David Flusche

Staff: Drew Satterwhite, Paul Sigle , Theda Anderson, Allen Burks, Debi Atkins, and Nichole Siims

Visitors: Kristen Fancher, Legal Counsel
Peter Schulmeyer, Collier Consulting, Inc.

Permit Hearing

Agenda:

1. Call to Order; establish quorum; declare hearing open to the public; introduction of Board.

Board President Thomas Smith called the permit hearing to order at 10:00 a.m.
2. Public Comment on the Production Permit Applications (verbal comments limited to three (3) minutes each).

No public comment.
3. Review the Production Permit Applications of:

New Production Permits

1. Applicant: Nor Tex Properties, LLC; 322 N. Mill St., Lewisville, TX 75057
Location of Well: 3100 E. FM 922, Valley View, TX 76272; Latitude: 33.489850° N, Longitude: -97.107294° W; About 550 feet east on FM 922 from the intersection of FM 922 and FM 2071 and about 120 feet south of FM 922
Purpose of Use: Public Water Supply
Requested Amount of Use: 1,825,000 gallons per year
Production Capacity of Well: 80 gallons per minute
Aquifer: Trinity (Antlers) Aquifer

General Manager Drew Satterwhite reviewed the permit application with the board. Board Member Joe Helmberger made the motion to approve the permit application. Board Member Ronny Young seconded the motion. Motion passed unanimously.

2. Applicant: Alma Robertson Graham Irrevocable Trust; 1278 Munden Dr., Denton, TX 76207
Location of Well: 1509 Alma Ave, Anna, TX 75409; Latitude: 33.35485° N, Longitude: 96.45445° W; About 1,400 feet north on E. Houston Street from the intersection of E. Houston Street and Sam Rayburn Hwy and about 130 feet west of E. Houston Street
Purpose of Use: Industrial; Construction water for TXDOT State Highway 121 project
Requested Amount of Use: 31,666,666 gallons per year (95,000,000 gallons over 3 years)
Production Capacity of Well: 175 gallons per minute
Aquifer: Woodbine Aquifer

General Manager Drew Satterwhite reviewed the permit application with the board. Board Member Ronny Young made the motion to approve the permit application. Board Member Allen Knight seconded the motion. Motion passed unanimously.

3. Applicant: Tex Mix Land Dba Sunrise Redi Mix LLC; PO Box 1299, Springtown, TX 76082
Location of Well: 8922 Blair Road, Justin, TX 76247; Latitude: 33.148541° N, Longitude: 97.289173° W; About 750 feet south on FM 156 from the intersection of FM 156 and Blair Road and about 175 feet east of FM 156
Purpose of Use: Industrial; Construction Plant
Requested Amount of Use: 13,000,000 gallons per year
Production Capacity of Well: 40 gallons per minute
Aquifer: Trinity (Antlers) Aquifer

General Manager Drew Satterwhite reviewed the permit application with the board. Board Member Allen Knight made the motion to approve the permit application. Board Member Joe Helmberger seconded the motion. Motion passed unanimously.

Permit Amendments

4. Applicant: City of Gainesville; 200 S Rusk, Gainesville, TX 76240
Location of Well: 1601 FM 1201. Gainesville, TX 76240; Latitude: 33.641705° N, Longitude: 97.181163° W; Northwest of the intersection of State Highway 82 and FM 1201
Purpose of Use: Public Water Supply

Historic Use Permit Amount: 672,191,000 gallons per year
Production Capacity of Well: 820 gallons per minute (Increased from 620 gallons per minute)
Aquifer: Trinity (Antlers) Aquifer

General Manager Drew Satterwhite reviewed the permit application with the board. Board Member Ron Sellman abstained . Board Member Joe Helmberger made the motion to approve the permit application. Board Member Allen Knight seconded the motion. Motion passed.

4. Consider and act upon the Production Permit Applications, including designation of parties and/or granting or denying the Production Permit Applications in whole or in part, as applicable.

Applications were voted on individually.

5. Adjourn or continue permit hearing.

President Thomas Smith adjourned the permit hearing at 10:18 a.m.

Board Meeting

Agenda:

1. Pledge of Allegiance and Invocation

Board Member Joe Helmberger led the Pledge of Allegiance and provided the invocation.

2. Call to order, establish quorum; declare meeting open to the public

Board President Thomas Smith called the meeting to order at 10:20 a.m., established a quorum was present, and declared the meeting open to the public.

3. Public Comment

There were no public comments.

4. Consider and act upon approval of the minutes from the February 9, 2021, Board meeting.

Board President Thomas Smith asked for approval of the minutes from the February 9, 2021 meeting. Board Member Joe Helmberger made the motion to approve the minutes. Board Member Ronny Young seconded the motion. Motion passed unanimously.

5. Consider and act upon approval of invoices and reimbursements, Resolution No. 2021-04-13-01.

General Manager Drew Satterwhite reviewed the liabilities with the Board. Board Member Allen Knight made the motion to approve Resolution No. 2021-04-13-01. Board Member Lee Allison seconded the motion. Motion passed unanimously.

6. Receive reports from the following Committees*:

- a. Budget and Finance Committee
 - 1) Receive Monthly Financial Information

General Manager Drew Satterwhite reviewed the Financial Report.

- b. Investment Committee
 - 1) Receive Quarterly Investment Report

General Manager Drew Satterwhite reviewed the Quarterly Investment Report.

- c. Management Plan Committee
 - 1) Receive Quarterly Report

General Manager Drew Satterwhite reviewed the quarterly report.

7. Update and possible action regarding the process for the development of Desired Future Conditions (DFCs).

- a. Consider and act upon Resolution No. 2021-4-13-02 approving and submitting the District's Desired Future Conditions Summary Report for GMA8.

General Manager Drew Satterwhite provided background information for the Board. The GMA 8 proposed to adopt the DFCs at their October 27, 2020 meeting. The District held a public hearing on February 9, 2021. The District is required to have a Summary Report approved by the Board for submission to GMA 8 prior to the next GMA 8 meeting. With the Board's approval the Summary Report and Resolution would be sent to the GMA8 members as a guideline. Board Member Ronny Young made the motion to approve and submit to GMA 8 and use for GMA 8 members' guidance. Board Member Ron Sellman seconded the motion. Motion passed unanimously.

8. Consider and act upon compliance and enforcement activities for violations of District rules.

- a. Discussion and possible action on the process for processing non-registered non-exempt wells.

General Manager Drew Satterwhite informed the Board that prior to establishment of the current rules wells didn't need to be registered. However, after the rules were established there is renewed desire is to get wells registered. Some people come in and tell us they wish to get their wells into compliance with the rules, while others are not coming forward but are discovered. The Board's guidance is requested on how fees should be distinguished between the two. Discussion was held. Those that come in would be charged \$500 through the registration fee schedule. Those that are found would be charged the additional \$500 through the fee structure in addition to an automatic \$500 fine. If the wells are not brought into compliance within 90-days, the the Board would consider a \$500 per year escalator for out of compliance years since rules established and capped at \$10,000. Board Member Ronny Young made the motion for the fines. Board Member Joe Helmberger seconded the motion. Motion passed unanimously.

General Manager Drew Satterwhite informed the Board that Hydrous Wake Parks is not in compliance with the rules. Krisen Fancher, legal counsel, suggested \$1000 additional non compliance with attorney fee. Violation of meter and production rules as preexisting violator resulting in a total of \$2000 fine. Board Member Joe Helmberger made the motion that the additional \$1000 be accessed bringing the total to \$2000. Board Member Ronny Young seconded the motion. Motion passed unanimously.

9. General Manager's Report: The General Manager will update the board on operational, educational and other activities of the District.

a. District's Disposal/Injection Well Program

No outstanding actions at this time.

b. Well Registration Summary

General Manager Drew Satterwhite reviewed the well registration summary.

c. Legislative Update

No legislative updates reported by Kristen Fancher. Watch is being kept on laws relating to cyber security training.

d. Board Appointment Updates

General Manager Drew Satterwhite informed that Allen Knight, David Flusche and Ronny Young have been reappointed. An officer committee was appointed that consists of Ronny Young, Lee Allison and Joe Helmberger.

10. Open forum/discussion of new business for future meeting agendas.

No comment.

11. Adjourn public meeting

Board President Thomas Smith declared the meeting adjourned at 11:20 p.m.

Recording Secretary

Secretary-Treasurer

ATTACHMENT 5

RESOLUTION NO. 2021-05-11-01

A RESOLUTION BY THE BOARD OF DIRECTORS OF THE NORTH TEXAS
GROUNDWATER CONSERVATION DISTRICT AUTHORIZING PAYMENT OF
ACCRUED LIABILITIES FOR THE MONTH OF APRIL

The following liabilities are hereby presented for payment:	<u>Amount</u>
<u>Administrative Services</u>	
GTUA - April	30,581.73
<u>Direct Costs</u>	
NexTraq - May	39.95
<u>Legal</u>	
Fancher Legal - April 2021	4,126.00
<u>Legal-Legislative</u>	
Sledge Law Group LLC - Services through Jan 2021	3,000.00
<u>Meetings & Conferences</u>	
Pilot Point ISD - BOD Room Rental	75.00
GRAND TOTAL:	<u><u>\$ 37,822.68</u></u>

On motion of _____ and seconded by

the foregoing Resolution was passed and approved on this, the 11th day of May, 2021 by the

AYE:

NAY:

President

Secretary/Treasurer

ATTACHMENT 6

NORTH TEXAS GROUNDWATER

Balance Sheet

As of April 30, 2021

ASSETS

Current Assets

Checking/Savings

10001 Checking Account	1,458,928.12
10005 Cash-Index Account	718,101.68
10008 Cash - Tex Star	88,126.69
10025 Accounts Receivable	35,914.30
10033 A/R Penalties	1,350.00
10035 A/R GMA8 Members	121.33
10070 A/R Liens	14,000.00
10026 Allowance for Uncollectib	-27,500.00
12000 Undeposited Funds	800.00
12001 Prepaid Expenses	742.00

TOTAL ASSETS 2,290,584.12

LIABILITIES & EQUITY

Liabilities

Current Liabilities

Accounts Payable

23100 Accounts Payable	3,626.00
23150 Well Drillers Deposits	41,500.60

Total Liabilities 45,126.60

Equity

35100 Retained Earnings	2,379,121.26
Net Income	-133,663.74

Total Equity 2,245,457.52

TOTAL LIABILITIES & EQUITY 2,290,584.12

NORTH TEXAS GROUNDWATER
Profit & Loss Budget vs. Actual
April 30, 2021

	TOTAL				
	April 2021	1 mo. Budget	YTD Actual	Total Budget	% of Budget remaining
Ordinary Income/Expense					
Income					
46003 - Registration Fees	3,000.00	1,750.00	10,000.00	21,000.00	52.38%
46004 - Well Driller Fees	0.00	0.00	0.00	0.00	0.0%
46005 - PRODUCTION FEES	0.00	0.00	93.97	700,000.00	99.99%
46006 Income GMA8	0.00	0.00	0.00	31,820.00	100.0%
46007 - Penalties	0.00	0.00	1,000.00	0.00	0.0%
46015 Late Fees	0.00	0.00	0.00	0.00	0.0%
Total Income	<u>3,000.00</u>	<u>1,750.00</u>	<u>11,093.97</u>	<u>752,820.00</u>	<u>98.53%</u>
Gross Profit	3,000.00	1,750.00	11,093.97	752,820.00	98.53%
Expense					
77010 ADMINISTRATIVE					
77013 Admin-Secretarial	1,312.00	1,833.34	5,560.00	22,000.00	74.73%
77014 Admin-Project Coordinator	753.75	1,666.67	4,792.50	20,000.00	76.04%
77015 Admin-GM	4,715.00	5,416.67	19,435.00	65,000.00	70.1%
77016 Admin-Clerical	2,150.50	3,500.00	9,197.00	42,000.00	78.1%
77040 ADMIN-MILEAGE	48.65	250.00	117.60	3,000.00	96.08%
77025 ACCOUNTING	2,680.00	2,708.34	11,789.25	32,500.00	63.73%
77027 AUDITING	0.00	0.00	0.00	5,665.00	0.0%
77030 ADVERTISING	0.00	167.00	851.65	2,000.00	57.42%
77050 BANKING FEES	0.00	0.00	72.98	100.00	0.0%
77150 CONSULTING-HYDROGEO SVC	0.00	3,750.00	4,485.52	45,000.00	90.03%
77325 DIRECT COSTS-REIMB	497.96	583.00	1,722.59	7,000.00	75.39%
77450 DUES & SUBSCRIPTION	0.00	250.00	0.00	3,000.00	100.0%
77480 EQUIPMENT	0.00	0.00	1,230.47	2,000.00	38.48%
77485 Equipment Database	0.00	1,250.00	0.00	15,000.00	100.0%
77500 FEES-GMA8	0.00	2,917.00	909.60	35,000.00	97.4%
77550 FIELD TECH	10,148.00	10,417.00	40,066.00	125,000.00	67.95%
77560 Field Permitting/Geologis	7,072.00	5,833.00	22,620.00	70,000.00	67.69%
77650 FUEL/MAINTENANCE	320.00	292.00	1,358.55	3,500.00	61.18%
77800 INJECTION WELL MONITORING	0.00	0.00	106.40	700.00	84.8%
77810 INSURANCE & BONDING	371.00	600.00	1,703.00	7,205.00	76.36%
77970 LEGAL					
77975 Legal-Injection	0.00	833.00	0.00	10,000.00	100.0%
77980 Legal-Legislation	0.00	1,250.00	3,000.00	15,000.00	80.0%
77970 LEGAL - Other	4,126.00	3,750.00	12,876.00	45,000.00	71.39%
78010 MEETINGS & CONFERENCES	286.67	667.00	797.00	8,000.00	90.04%
78310 Rent	200.00	200.00	800.00	2,400.00	66.67%
78600-SOFTWARE MAINT	0.00	83.00	3,626.36	1,000.00	-262.64%
78610 TELEPHONE	388.29	250.00	1,207.38	3,000.00	59.75%
78780 Well Monitoring/Testing	123.86	375.00	203.76	4,500.00	95.47%
Total Expense	<u>35,193.68</u>	<u>48,842.02</u>	<u>148,528.61</u>	<u>594,570.00</u>	<u>75.02%</u>
Other Income/Expense					
Other Income					
46100 INTEREST INC	0.00	417.00	3,770.90	5,000.00	
Total Other Income	<u>0.00</u>	<u>417.00</u>	<u>3,770.90</u>	<u>5,000.00</u>	
Net Other Income	0.00	417.00	3,770.90	5,000.00	
Net Income	<u><u>-32,193.68</u></u>	<u><u>-46,675.02</u></u>	<u><u>-133,663.74</u></u>	<u><u>163,250.00</u></u>	

ATTACHMENT 9



AGENDA COMMUNICATION

DATE: May 5, 2021

SUBJECT: AGENDA ITEM NO. 9

CONSIDER AND ACT UPON PURCHASING ACOUSTIC WATER LEVEL MEASURING DEVICES

ISSUE

Consider and act upon purchasing Acoustic Water Level Measuring Devices.

BACKGROUND

As required by the District's Management Plan, the District monitors water levels on an annual basis for wells across Grayson and Fannin Counties. The District currently has a steel tape, e-tape and air compressor that we use to capture water levels. The air compressor is the only device that we have that does not require us to go "down hole". The air compressor works well, but is generally limited to public water system wells as they have air lines and as those air lines age the air measurement method becomes less reliable.

Over the past year, the District has tested 3 different devices in an effort to find a reliable way to measure water levels that would not require us to place any equipment "down hole" or inside the well.

In 2018, the Board allocated \$50,000 of fund balance to put toward monitoring devices. We also currently have \$4,500 in this year's budget allocated toward well monitoring.

CONSIDERATIONS

The District staff was pleased with the performance of the Eno Scientific Well Watch 700. We purchased one of these devices in January to conduct our annual monitoring, but are using the device as a portable device to get one measurement annually.

The Staff would like to get several of these devices installed on wells across the District. We are requesting that the Board authorize the purchase of at least 10 of these devices. We would propose that the devices be purchased after a willing candidate is identified, but it would be beneficial to have advance authorization to purchase the devices so that we can talk to candidates with more certainty.

The cost of this unit is currently \$2,301. If a well does not readily accessible 110volt power source, we would also need to purchase a solar power kit for \$349 as well as a battery for <\$50. There are other appurtenances that sometime have to be purchased to fit the devices such as pipe fittings, caps, etc.

STAFF RECOMMENDATIONS

The staff recommends the Board authorize purchasing up-to ten (10) Well Watch 700s. If approved, these devices would be purchased as locations for their placement are acquired.

ATTACHMENTS

Well Watch 700 Product Sheet

PREPARED AND SUBMITTED BY:

A handwritten signature in black ink, appearing to read 'Drew Satterwhite', written over a horizontal line.

Drew Satterwhite, P.E.
General Manager



Well Watch[®] 700 Series

Sonic Water Well Level Monitoring

Patent Pending

Intelligent water well management system for commercial applications.



Level & Flow Monitoring



Resource Management



Pump System Control



Remote Telemetry

Features:

- Measures water levels using sound waves, no risk of contamination
- Complete well management and control, providing real time asset data
- Simple external installation, no well decommissioning (prior or during)
- Monitor levels in wells with caustic water without damaging the sensors, protecting equipment investments
- Minimize or eliminate manual level measurements, reducing labor costs
- Maintain well pressure while still obtaining real time data
- Customizable data, set reference point/update frequency/logging rate
- Integrates easily with SCADA and other communications methods



The Well Watch 700 is the most powerful and versatile well monitoring system on the market today. It is the only meter that has the ability to measure water levels in commercial water wells with levels down to 7000ft, up to 30" diameter, and with top mount turbine or submersible pumps. Operating on low frequency sound waves means that there is no need for equipment to be lowered down into the casing. The versatile sound waves can travel past obstructions, installed well equipment and around corners. The Well Watch boasts an intuitive software that monitors well conditions and automatically adjusts to maintain the most accurate readings.

The 700 was designed to be a well management hub. It will not only provide the user with static, drawdown, recovery and flow data at an interval chosen by the user but also boasts two independently programmable relays for pump control and remote alarms. There are multiple outputs to choose from including RS232, RS485, 4-20mA, 0-5V, SDI-12 and Ethernet to communicate with any pre-existing system. An internal data logger allows it to operate as a stand alone system or a backup in case of communication loss, logging up to 25 million data points. Collected data can be accessed over the USB connection or by removing the SD card.



Well Watch[®] 700 Series

Specifications

730 Well Watch Probe Specifications:

PHYSICAL:

Type 304 Stainless steel weatherproof housing
 Dimensions: 4.4 x 4.4 x 10.15"
 Weight: 10 lbs
 Well pressure up to 100 psi
 2" FPT Connection to well access port

POWER:

Power supplied by 710 Controller (Weatherproof conduit connection for strain relief or sealtite connectors)

ENVIRONMENTAL:

Temperature - -20 to 175 F (-25 to 80 C)
 Humidity - 5 to 95% non-condensing

COMMUNICATIONS:

4 wire to 710 Controller



710 Well Watch Controller Specifications:

PHYSICAL:

Heavy duty ABS housing
 Dimensions: 4.8 x 4 x 2.36"
 Weight: .5 lbs
 Din rail or flange mounting, Designed for dry locations

MEASUREMENT:

Units - English (ft & in), Metric or Imperial
 Range - 15 to 7000 ft (5 to 2100M)
 Resolution - .05 ft
 Accuracy - .1 ft

POWER:

External Power - 12 to 36VDC at 300mA max (with all options enabled)
 Real Time Clock- Li Ion 3V battery CR2032

ENVIRONMENTAL:

Temperature - -20 to 175 F (-25 to 80 C)
 Humidity - 5 to 95% non-condensing

LOGGING:

Extended Memory - 2GB nonvolatile flash memory for 25 million data points
 Automatic Logging Rates - 1 sec to 1 day per sample

COMMUNICATIONS:

RS232 Serial Port: Baud 300-57600, format selectable (19200 baud,8,1,n default), streaming output, programming interface
 RS485 Serial Modbus Port: baud 300-57600, RTU/ASCII (19200 baud,8,1,n default)
 SDI12 Serial Port: baud 1200, 7 data bits, even parity
 Ethernet: Modbus TCP, Webservice
 Alarm Output: Isolated relay contact 250V AC .25A (30VDC 2A) max
 Pump Control Output: isolated relay contact 250V AC .25A (30VDC 2A) max
 Pulsed Flowmeter Input
 Analog Output: 0-5V and independent 4-20mA



ATTACHMENT 10 c.

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

Well Registration Summary

(as of 4/30/2021)

Well Type	Collin	Cooke	Denton	Total NTGCD	New Registrations April 2021
Domestic	82	512	888	1482	27
Public Water System	31	75	222	328	0
Irrigation	94	4	183	281	1
Surface Impoundment	53	16	112	181	0
Livestock	7	78	62	147	3
Oil / Gas	1	6	67	74	0
Agriculture	9	13	41	63	1
Commercial	6	8	39	53	2
Golf Course Irrigation	15	2	21	38	0
Other	9	5	20	34	2
Industrial / Manufacturing	7	13	9	29	0
Monitoring	0	0	1	1	0
TOTALS	314	732	1665	2711	36

NOTE: Plugged wells have been excluded

ADJOURN