

**MINUTES OF THE JULY 13, 2021,
BOARD OF DIRECTORS MEETING OF
NORTH PLAINS GROUNDWATER CONSERVATION DISTRICT**

The Board of Directors of North Plains Groundwater Conservation District met in regular session on July 13, 2021, at 9:00 a.m. in the Conference Room in the Richard S. Bowers Water Conservation Learning Center Building at the North Plains Water Conservation Center, 6045 West County Road E., Dumas, Texas 79029-7201. The following persons were present:

Members Present at 9:03 a.m.:

Bob B. Zimmer, President;
Mark Howard, Vice-President;
Zac Yoder, Secretary;
Daniel L. Krienke, Director
Gene Born, Director;
Harold Grall, Director; and
Justin Crownover, Director.

Staff present during part or all of the meeting:

Steve Walthour, General Manager;
Kirk Welch, Assistant General Manager;
Dale Hallmark, Hydrologist;
Kristen Blackwell, Administration Manager;
Odell Ward, Field Service Manager;
Casey Tice, Production Coordinator;
Curtis Schwertner, Natural Resource Specialist;
Paige Glazner, Conservation Outreach Assistant;
Baylee Barnes, Conservation Outreach Specialist;
Krystal Donley, Administrative Assistant;
Sherry Robinett, Administrative Assistant;
Dakota Young, Natural Resource Specialist;
Braden Cadenhead, Natural Resource Specialist;
Ryan Walters, Natural Resource Specialist;
Dusty Holt, Permitting Specialist/Finance Assistant; and,
Lou Orthman, Compliance Coordinator.

Others present during part or all of the meeting:

Steve Amosson;
Stan Spain;
Clinton Born;
Nich Kenny;
Pauletta Rhoades;
James McAlister;
Lee Hall;
Tom Forbes, Esq.;
F. Keith Good, General Counsel for the District; and
Ellen Orr, Paralegal.

President Zimmer declared a quorum present and called the meeting to order at 9:03 a.m. Director, Zac Yoder, gave the invocation and President, Bob B. Zimmer, led the pledge.

1 – Public Comment

No Public Comment was made to the Board.

2 – Consent Agenda

The Consent Agenda was discussed by the Board and consisted of: (a) the review and approval of the Minutes of the regularly scheduled Board of Directors Meeting held on June 1, 2021; (b) the review and approval of un-audited District expenditures for May 1, 2021 through June 30, 2021, including the General Manager's expense and activity report; (c) the review and approval of payment to Lemon, Shearer, Phillips & Good, P.C. for professional services and out-of-pocket expenses incurred from May 1, 2021 through June 30, 2021, in the amount of \$11,335.16; (d) the review and approval of the Dallam County Appraisal District Collection Contract for 2022-2023; and, (e) review, consideration and approval of the Texas Municipal League rerate notice option one and the EyeMed option F for employee health insurance.

Harold Grall moved to approve the Consent Agenda, with the exception of item 2d, the and approval of the Dallam County Appraisal District Collection Contract for 2022-2023. Mark Howard seconded the motion and it was unanimously approved by the Board.

Action Agenda 3.a. - Consider final compliance approval of water well permits as active and complete wells.

The General Manager reported that District Rule 2.13 provides, after the site inspection is complete, and it is determined that the Well (and all Wells within the Groundwater Production Unit) is/are in compliance with the Rules of the District, and the Well Permit application, the General Manager shall submit the Well Permit to the Board for final compliance approval.

It was noted that 254 non-exempt Well Permits had been issued by the District since January 1, 2021, and that 138 non-exempt Well Permits had been approved by the Board since January 1, 2021.

The General Manager reported that the District staff had processed 30 Water Well Permits which are ready for Board consideration and approval. These permits, listed in the table below, represent completed wells that have been inspected and are in compliance with District Rules. The inspections verify that the wells were completed as required by the respective Permits, including proper well location, well classification, maximum yield, and proper installations of check valves and flow meters. Copies of the individual permits were presented to the Board.

Permit Number	Well Class	Quarter	Section	Block	Survey	Yards N S	Yards E W
DA-10771	C	SW/4	11	7	CSS	760 S	297 W
DA-11459	C	NE/4	17	48	H&TC	833 N	263 E
DA-11466	B	NE/4	73	4	CSS	416 N	514 E
DA-11467	C	NW/4	21	1	CSS	521 N	424 W
DA-11544	C	SE/4	287	1-T	T&NO	8 S	475 E
HA-11441	D	SE/4	15	14	CSS	543 S	29 E
HA-11519	D	NE/4	24	14	CSS	644 N	406 E
HA-11520	D	SE/4	24	14	CSS	695 S	86 E
HA-11543	B	SW/4	62	2	B&B	104 S	111 W
HA-11573	C	SW/4	11	11	CSS	801 S	216 W
HA-11574	C	NE/4	11	11	CSS	445 N	71 E
HA-11577	C	SE/4	13	11	CSS	809 S	719 E
HA-11578	C	NW/4	13	11	CSS	22 N	28 W
HA-11579	C	NW/4	13	11	CSS	269 N	379 W
HA-11580	C	NE/4	12	11	CSS	567 N	522 E
HA-11581	C	SE/4	12	11	CSS	775 S	716 E
HA-11583	C	NE/4	13	11	CSS	857 N	257 E
HA-11584	C	NE/4	13	11	CSS	10 N	249 E

HA-11586	C	SE/4	12	11	CSS	805 S	285 E
HA-11626	C	SW/4	7	11	CSS	376 S	798 W
HA-11629	C	SW/4	54	48	H&TC	437 S	446 W
HA-11643	D	SE/4	0	0	TB RUSSELL	100 S	151 E
HA-11644	C	NE/4	113	4	CSS	443 N	444 E
HA-11647	C	SE/4	7	11	CSS	437 S	484 E
HA-11648	C	NE/4	15	11	CSS	24 N	205 E
HA-11650	C	NE/4	15	11	CSS	45 N	618 E
HN-11506	C	NW/4	211	2	GH&H	798 N	728 W
HN-11572	D	NW/4	8	4-T	T&NO	408 N	106 W
HU-11443	C	SW/4	54	M-23	Robert Sikes	478 S	1473 W
MO-11866	C	SW	153	3-T	T&NO	421 N	459 W

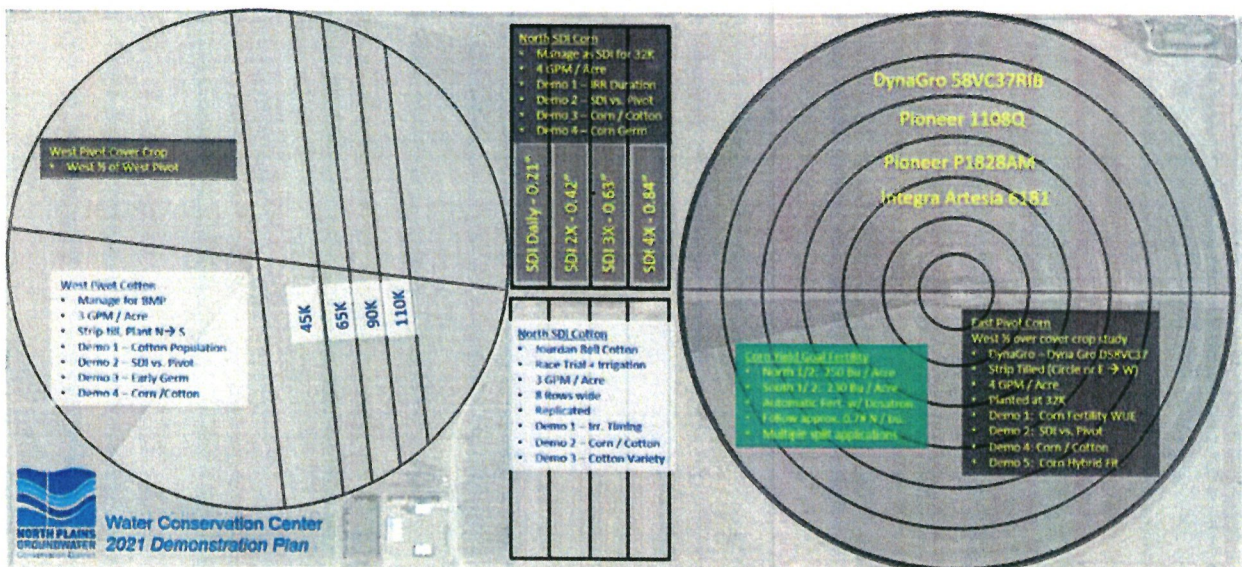
Harold Grall moved to approve all of the well permits on the well permit schedule, noting that the wells are properly equipped and otherwise comply with District Rules. Mark Howard seconded the motion and it was unanimously approved by the Board.

Action Agenda 3.b.- Receive report and consider action as needed regarding agriculture water conservation demonstration programs and the North Plains Water Conservation Center.

Nich Kenny presented the following report to the Board:

3 July 2021 – NPGCD Water Conservation Center
Update Nicholas Kenny, P. E.

Figure 1: 2021 WCC Field plan for Corn and Cotton Rotation



2021 Cropping Season

The 2021 cropping season at the Water Conservation Center is underway and has a few unique items of note.

1. East Well repairs
2. New well in fiscal year 2022
3. Cotton and Corn Planting Summary
4. Stand Counts

East Well Repairs

The production at the East Well declined early in the 2021 production season witnessed by pump surging at reduced operating speeds compared to previous seasons. The pump was pulled by Etter Water Well on 2 June. The well was videoed on 8 June and the pump reinstalled on 15-16 June following brushing and baling. The well was pumped to waste for a few hours and reconnected to the system. Due to favorable

rainfall timing, the east well has not been run for a sustained period following the rehabilitation effort and the final status of the rehabilitation work is not yet known.

The well video indicated that surface scale was light on the well casing and perforations were visible throughout. No major breaks or column compromises were present. Dry ice was installed in the well to mechanically surge the well by raising the water in the column. Prior to installation, brushing and baling was performed to scrub and surge the well. The baling process extracted significant rust flakes and fresh filter gravel indicating that the efforts to further open perforations was likely successful. However, it is not expected that substantial water production will be gained from this operation, rather, the production is likely to be better maintained instead of declining rapidly again.

An additional column pipe joint was added to the pump assembly to lower the pump an additional 21 feet to the final set depth of approximately 630 ft. It is expected that this step will improve production of this well to greater than 300 GPM. The service pump was tested and re- installed with a new 75-hp submersible motor.

Figure 2: Etter Water Well pump rig pulling the pump from the East Well on 2 June.



Figure 3: Flaked scale and gravel-pack filter material from the East well during baling on 15 June. The well video did not indicate any obvious breaks.



New well in Fiscal Year 2022

To maintain the corn and cotton production system at the Water Conservation Center, total irrigation system capacity will need to maintain at or above 825 GPM, just above 3.5 GPM / Acre to account for years when corn is in the East Pivot. The sustainable capacity from the West Well is approximately 550 GPM (higher seasonally) and the expected capacity from the East Well is approximately 300 GPM but declining. The East Well was drilled to 650 ft. deep in April 1971, now exceeding 50 years old. The West well was drilled to 681 ft. in January 1999.