

Water Committee Meeting
Thursday, May 28, 2026 9:30 AM
Lower Platte North NRD Office
1616 County Road 17
Wahoo, NE 68066

1. UNFINISHED BUSINESS

A motion is needed to take this item off the table before discussion can begin.

The Committee and staff discussed this item at the Committee Meeting. A letter was submitted by Josephine M Kennedy that was reviewed and discussed. Josephine did reach out to AWS well drilling and found that the well on this property was 130 feet deep. Since that time, the domestic well has been registered. Staff showed them a map of wells in the area in relationship to where the new well would be drilled. A graph was shown of the NRD monitoring well just to the south of this location, showing that static water levels have stayed consistent since 2009. If the well is drilled, the Committee would like to see a PVC pipe next to the well for the NRD to assess water level information.

The Committee suggested that staff develop a policy to handle situations when interference occurs between wells. A form was developed in 2012 and modified in 2022 asking for a complaint form to be filed with well location, age of well, well depths, pumping levels and other comments. After receiving the complaint, what would be the next steps and that is what the Committee is considering.

Keith Ziebenbein applied for a well permit in LPNNRD restricted area (red) for SW SW 29-13-9E, Saunders County. He received conditional approval on his variance request from the Board in September 2025. To move forward on the request required him to drill 3 test holes before a well permit can be approved. The test holes information is attached.

Keith was present at the Committee meeting to explain his situation. The Committee was made aware of the conditions on previous approved wells in restricted areas, with Keith understanding that if local well interferences are occurring, his well could be shut off.

This item was tabled at the LPNNRD Board meeting for further review. Two maps are attached showing other wells with site locations for comparison to domestic wells. The NRD does measure a well half a mile to the south within the NRD water level network. Graph is attached.

A letter is attached from Josephine M Kennedy in regard to this well permit.

2. REGULATORY

2.A. GROUND WATER MANAGEMENT AREA

2.A.1. Variance Request in the Hydrologically Connected Area (Limited Development Area)

Jon Engel was approved for a variance in 2024 (LPN-024-0645). This site is within the Schuyler-Richland Phase 4 area, and he wants to convert a gravity irrigated field to pivot irrigation. Jon was not approved for a NRCS contract but is still considering this project. He would like to extend his variance to December 31, 2026 to keep this option open.

Need a motion.

2.A.2. Well Permit Program

2.A.3. Nitrogen Reduction Program

Mike Ebel applied for the 2025 Nitrogen Reduction Program, and he did qualify for a payment but was left off of the initial group of producers. He has 120 acres at \$15 per acre for a total payment of \$1,800. DWEE will be reimbursing this amount to the NRD.

For the 2026 Nitrogen Reduction Incentive Act (NiRIA) program, there were 41 applications submitted by 11 producers, of which seven applications have been withdrawn, resulting in a total of 34 applications for consideration. The total acres is 2,870. Twenty-four applications have been approved, and producers were notified by phone and email of their nitrogen reduction baseline and targets for this season. Ten applications are awaiting additional details from the producers so these values can be calculated and applications approved.

For the 2026 Nitrogen Use Efficiency (NUE) program, there were 43 applications submitted by seven producers, of which 10 applications have been withdrawn, resulting in a total of 33 applications for consideration. The total acres is 3,262. As of 5/22/2026, NDWEE has approved all applications submitted by producers in the LPNNRD, and allocations will be updated accordingly.

2.A.4. Groundwater Quantity Update

Invoiced attached for \$10,657.25 per contract from Spheros for variance scoring sheets and water quantity evaluations. They will be starting the SQS # 2 modeling project in the first week of June.

2.A.5. Cost Share Programs

Flow Meters

- **David & Theresa Novak** - 1 Flow Meter - \$1,000
- **Galyn & Joan Johannes** - 1 Flow Meter - \$1,000

2.A.5.a. Irrigation Well Sample Kits

Staff has sent our water sampling kits to producers in the Nitrate Management Areas. Just a reminder that the Committee/Board decided to waive the required sampling rules and allow producers the option to sample or wait until this year. If producers sampled last year, the cost will be waived for this year.

2.A.5.b. Flow Meter Maintenance Program

An invoice is attached for \$30,340 from Tri City Meters per the flow meter maintenance contract.

2.B. CHEMIGATION

For 2026 we have 171 renewals and 20 new permit applications for a current total of 191. Inspections for 32 renewal permits have been completed. Inspections for 3 new permits have been completed.

2.C. GROUND WATER ENERGY LEVELS

Three monitoring wells south of the Mead cleanup site are triggering a management area. Staff has visited with the Corp staff at the cleanup site, and they will be reviewing the data along with their own information.

Staff explained the situation to the Committee and made them aware of the issues. Staff will continue to work with the Corp on developing a solution.

Additionally, an invoice for \$597.00 is attached for HydroVu repairs due to mice.

Information is attached.

2.D. GROUND WATER QUALITY SAMPLING

3. GROUND WATER PROGRAMS

3.A. DECOMMISSIONED WELL PROGRAM

3.A.1. Well Estimates

new wells has been reviewed and approved for decommissioning since the last Committee meeting.

Well Owner	Type of Well	Cost Share Estimate	County

3.A.2. Plugged Wells

Three wells have been plugged, reviewed, and ready for cost share payment approval this month. John Wiese cost share is not 75–25 because no units were provided for backhoe labor and removal of the pump was above NRD set limit. These items are a joint cost share with NRD and Shell Creek Grant.

Well Owner	Type of Well	Cost Share Estimate	County
John Weise	D	\$1,520.68	
Dave Wilke	I	\$1,758.63	
Dale Pillen	I	\$1,889	

3.B. LOWER PLATTE NORTH NRD GROUND WATER STUDIES

3.C. NEW MONITORING WELLS

The Newman Grove CSD test holes were a success.

Notes from Katie Cameron:

We found a coarser sandstone above the Niobrara deeper than projected in the bid so we have 3 recommended well screen intervals for this location for your consideration (shallow, medial and deep depicted on elog page and as schematics).

The test hole location also seems like a good spot to protect for a future municipal well. A future municipal well might screen both the upper (medial well) and lower (deep well) portions of Ogallala sand to sandstone with potentially better quality and in order to get more volume. The amount of clay between the shallow well sand and gravel unit and Ogallala sandstone would likely inhibit potential mixing between the shallow and medial wells. You would be covering all the bases, existing and future, with 3 wells at this location. Let me know if you have questions or want to discuss the 3 screen intervals.

The Committee directed staff to receive a quote for a third well as recommended by CSD. Staff will provide a quote from Dvorak Well Drilling for the Board meeting. If the Board would like to proceed with the third well, a motion will be needed to amend the original quote for 2 wells. Attached is the bid for the third well in the amount of \$37,325.

3.D. Groundwater Rules and Regulations

Discussion on
Flow Meters
Nitrate Triggers
Variances

Staff will continue to provide information for the Committee.

4. SURFACE WATER PROGRAMS

4.A. STATE LAKES, FOR THE WEEK OF

This information is from the week of May 26. Please go to their website to

obtain current information.

This week's beach HAB and bacteria results are now posted on the DWEE web page ([Current Health Alerts and Sampling Results For This Week](#)).

Another season of Beach Watch has begun!!!

There are no lakes on Health Alert this week!

Bader Memorial No. 6, Cub Creek, Duck Creek, Holmes, Lone Star, Maple Creek Recreation Area, Rockford, Swan Creek, and Wirth Brothers all tested high for *E. coli* this week. The elevated levels of *E. coli* are expected with the amount of rain runoff we have received recently. Bacteria is everywhere in our environment and the rain will pick it up as it runs off the landscape and finds its way into our streams, rivers, and lakes. The good news is that sunlight is a great disinfectant on *E. coli*. So, when the sun does shine those bacteria numbers will drop very quickly.

There are **0** beaches on Health Alert this week.

Current Lakes on Health Alert			
Lake	County	Microcystin (ppb)	Sample Date
None! ??			

When a lake exceeds 8 ppb of microcystin it will be placed on Health Alert. If a lake is under a Health Alert, signs will be posted recommending people avoid full body contact activities such as swimming, wading, skiing, jet skiing, etc.

There are **9** beaches with *E. coli* testing above 235 colonies/100 ml.

Lakes with High <i>E. coli</i> Bacteria			
Lake	County	<i>E. coli</i> (MPN)	Sample Date
Bader Memorial Lake No. 6	Merrick	285	5/18/2026
Cub Creek Lake	Jefferson	2,420	5/19/2026
Duck Creek Lake	Nemaha	866	5/18/2026
Holmes Lake	Lancaster	866	5/19/2026
Lone Star Reservoir	Filmore	387	5/19/2026
Maple Creek Recreation Area Lake	Colfax	291	5/18/2026
Rockford Lake	Gage	2,420	5/19/2026
Swan Creek Lake (5A)	Saline	2,420	5/19/2026
Wirth Brothers Lake	Johnson	7,270	5/18/2026

When *E. coli* bacteria levels test above 235 colonies/100 ml a Health Alert is not issued. However, conditions are at a higher risk to human health when swimming. Considering the more rapid changes in bacteria conditions, signs

are not posted with these higher levels. Although, we want people to be aware of beach conditions and use their own judgment as to whether they use a listed water body.



DWEE staff taking Beach Watch samples.

Here's to a great 2026 beach season!

Justin Haas

State Lakes Coordinator

Department of Water, Energy and Environment

245 Fallbrook Blvd., Suite 100

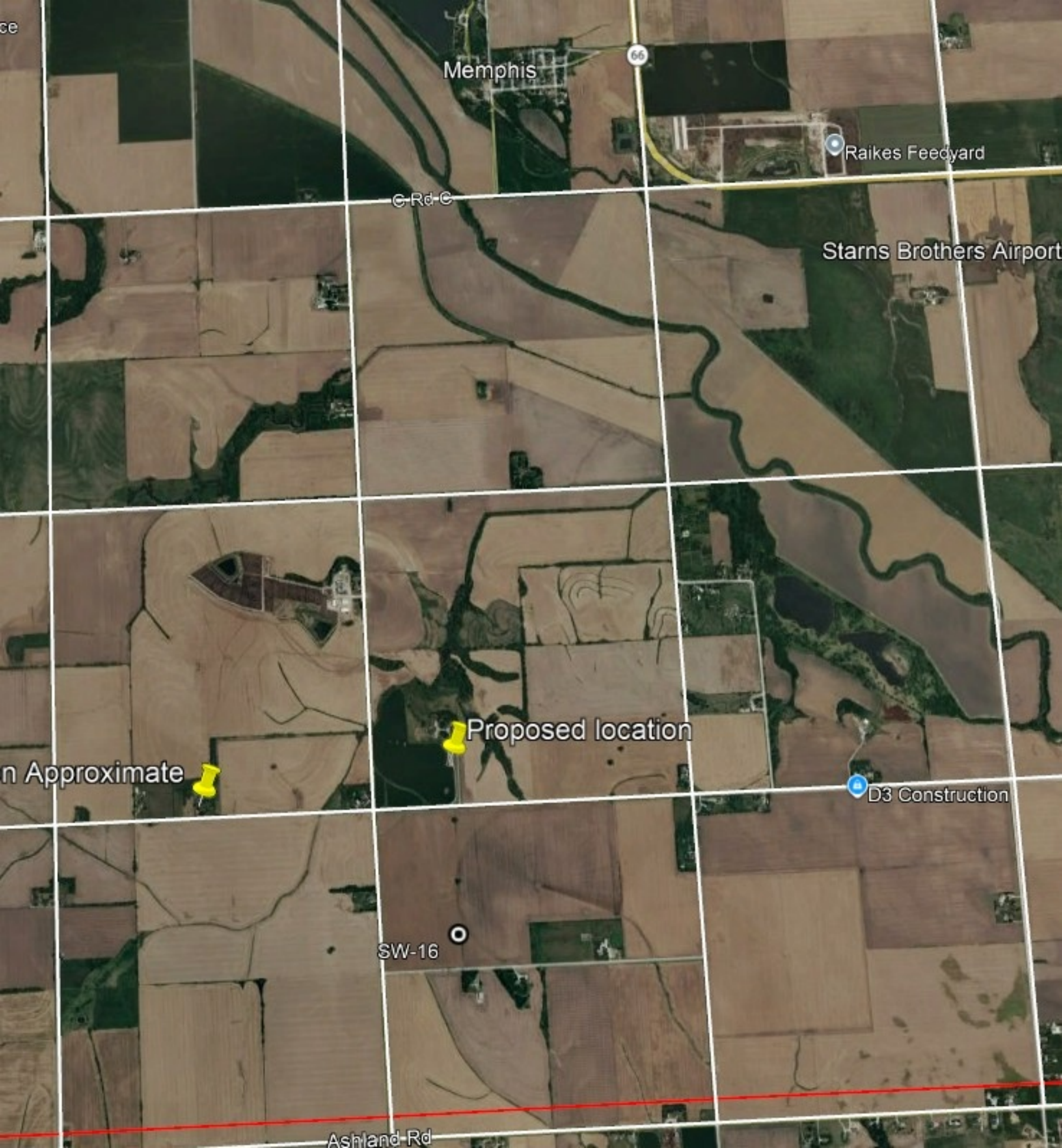
Lincoln, NE 68509-8922

Direct: 402-471-4224 | Main Office: 402-471-2186

5. OTHER

Reminder that the summer GMDA conference will be held July 21–23.

5.A. COMMENTS FROM THE PUBLIC



Memphis

66

Raikes Feedyard

C-Rd-C

Starns Brothers Airport

Proposed location

n Approximate

D3 Construction

SW-16

Ashland-Rd

RegCD: G-059551

Well #: SW-16

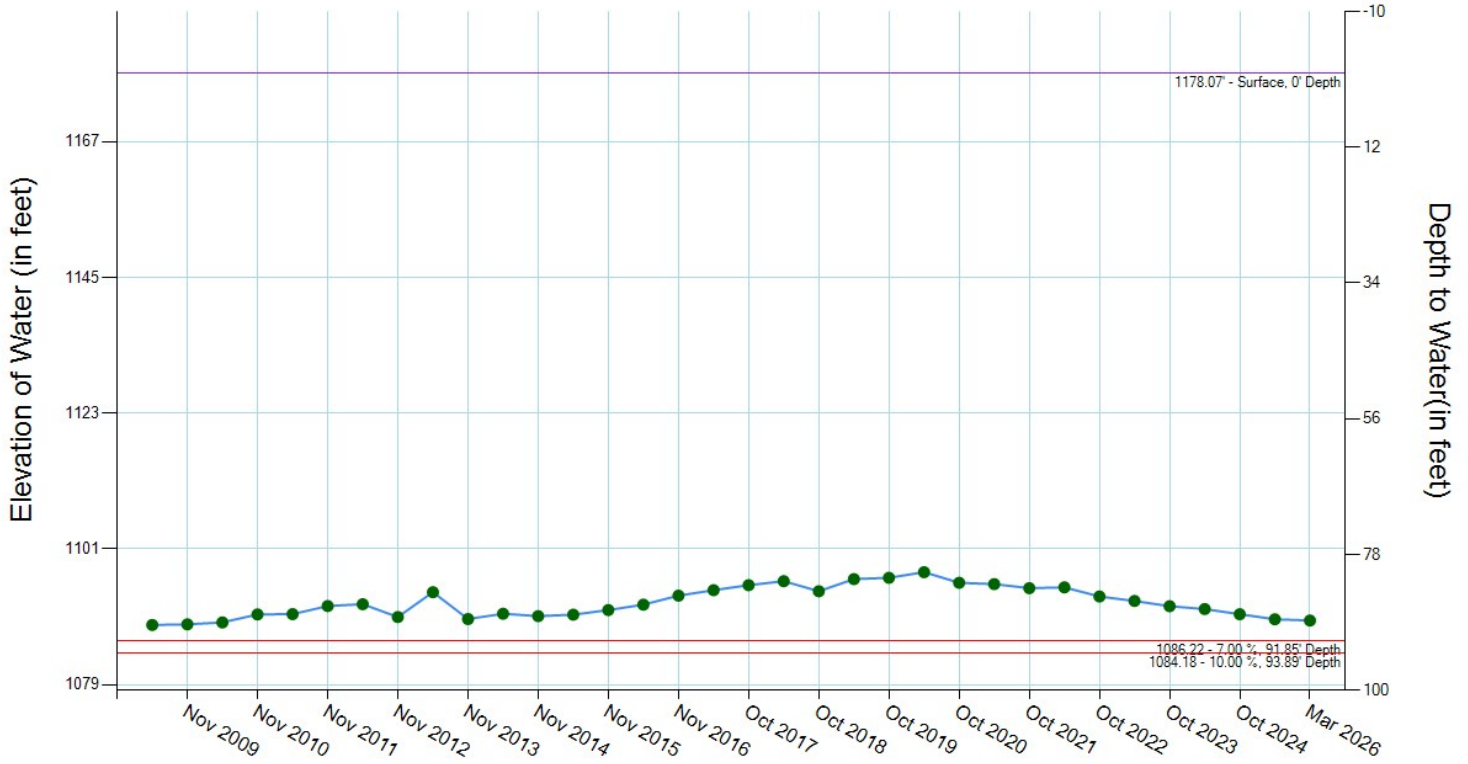
Region: Uplands

County: Saunders

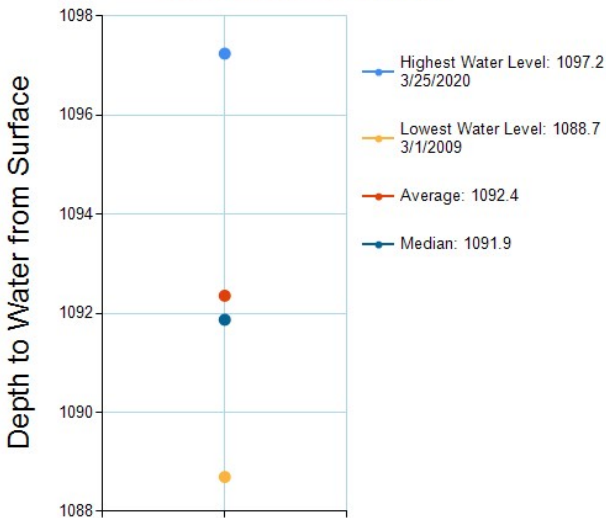
Legal: 13-9E-32

Owner Name: Raikes Farm Enterprises Inc

Water Level Readings

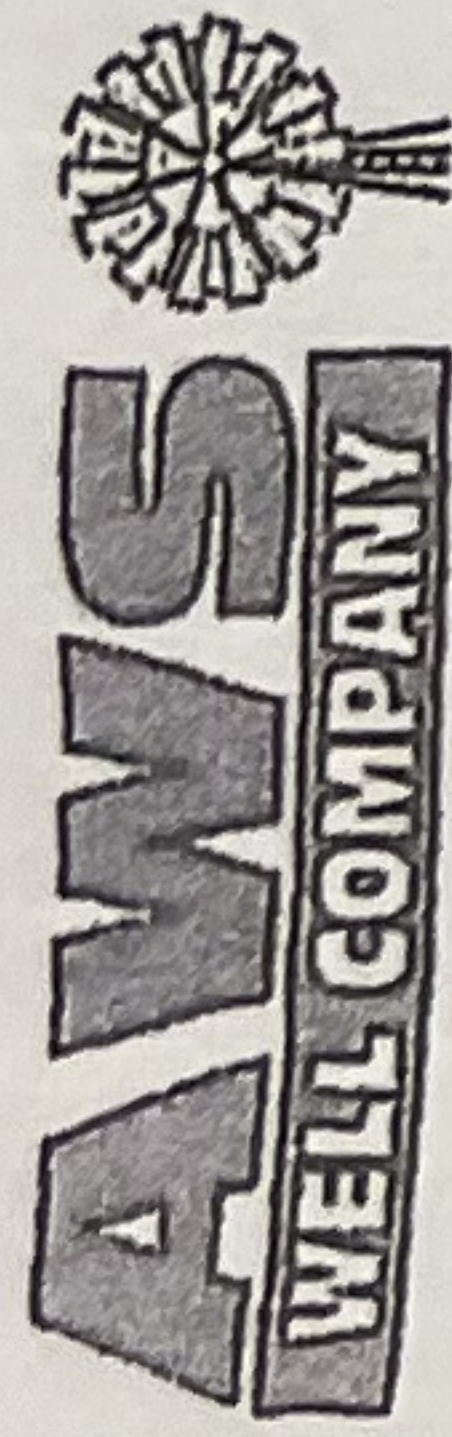


Record Results



Historical Readings (date - reading)

03/01/2009 - 1088.7	11/01/2013 - 1089.7	10/25/2017 - 1095.1	03/21/2022 - 1094.8
11/01/2009 - 1088.8	03/01/2014 - 1090.5	03/28/2018 - 1095.8	10/20/2022 - 1093.3
03/01/2010 - 1089.1	11/01/2014 - 1090.1	10/23/2018 - 1094.2	03/28/2023 - 1092.6
11/01/2010 - 1090.4	03/01/2015 - 1090.4	04/02/2019 - 1096.1	10/24/2023 - 1091.7
03/01/2011 - 1090.4	11/01/2015 - 1091.1	10/22/2019 - 1096.3	03/21/2024 - 1091.3
11/01/2011 - 1091.8	03/01/2016 - 1092	03/25/2020 - 1097.2	10/24/2024 - 1090.4
03/01/2012 - 1092.1	11/01/2016 - 1093.4	10/21/2020 - 1095.5	03/26/2025 - 1089.6
11/01/2012 - 1090	03/01/2017 - 1094.3	04/02/2021 - 1095.3	03/25/2026 - 1089.4
03/01/2013 - 1094		10/21/2021 - 1094.7	



Looks The Best

DRILLING LOG

DATE: 4-8-26

TEST Hole SW Corner open Building

NAME: Keith Ziegenbein

ADDRESS: _____

LAT: 41 MIN: 3 SEC: 41.519

WELL LOCATION: 770 CRA Ashland, AL

LONG: 96 MIN: 26 SEC: 84.57

PURPOSE OF WELL: _____

TEST HOLE DEPTH: 158' WELL DEPTH: _____

STATIC WATER LEVEL: _____

TEST HOLE DIA: 5 1/2" BORE HOLE DIA: _____

PUMPING WATER LEVEL: _____ AT _____ GPM

LOOP DEPTH: _____ # OF LOOPS: _____ SIZE: _____

ESTIMATED CAPACITY OF WELL: _____ GPM

CASING LENGTH: _____ CASING DIA: _____

FROM: _____ TO: _____ OPEN HOLE

WALL THICKNESS: _____ MATERIAL: _____

FROM: _____ TO: _____ BETONITE SEAL

SCREEN LENGTH: _____ SCREEN DIA: _____

FROM: _____ TO: _____ GRAVEL

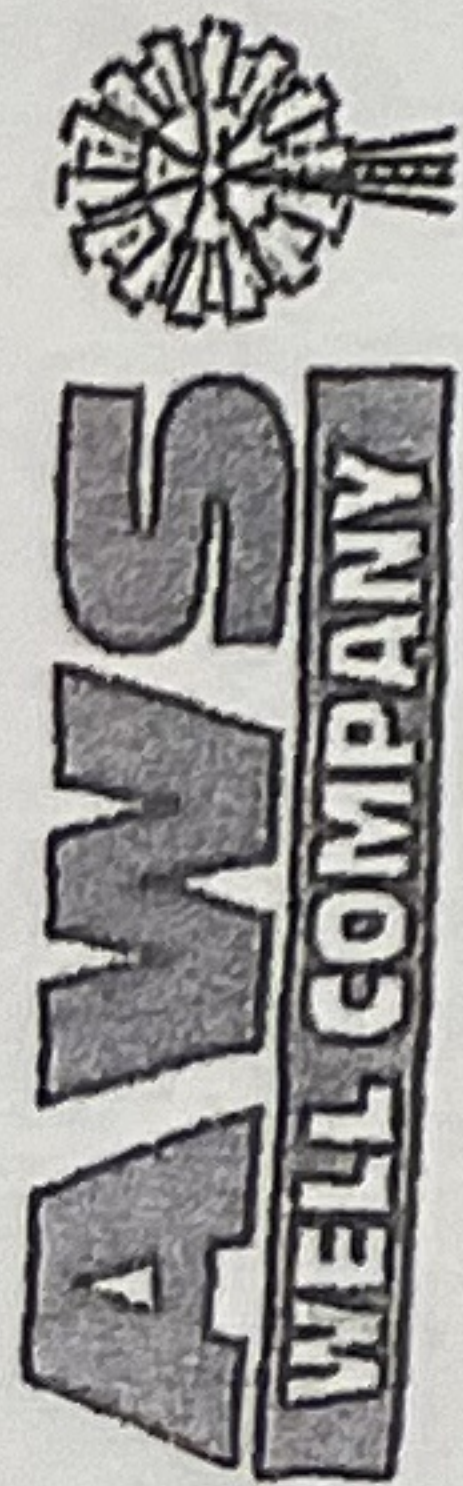
SLOT _____ TYPE _____

FROM: _____ TO: _____ BETONITE SEAL

TRADE NAME: _____

FROM: _____ TO: _____ PACK SAND

FROM	TO	MATERIAL/COLOR	HARDNESS
<u>0</u>	<u>30</u>	<u>TAN Clay</u>	<u>SOFT</u>
<u>30</u>	<u>40</u>	<u>Brown clay</u>	<u>SOFT</u>
<u>40</u>	<u>50</u>	<u>med to coarse TAN SAND</u>	<u>Loose</u>
<u>50</u>	<u>60</u>	<u>TAN + yellow clay</u>	<u>STIFF</u>
<u>60</u>	<u>95</u>	<u>Orange + TAN SANDSTONE</u>	<u>Cemented</u>
<u>95</u>	<u>100</u>	<u>Orange SANDSTONE med</u>	<u>Cemented</u>
<u>100</u>	<u>101</u>	<u>Hard layers Downpressure</u>	<u>Hard</u>
<u>101</u>	<u>125</u>	<u>Orange Coarse SANDSTONE</u>	<u>Cemented</u>
<u>125</u>	<u>140</u>	<u>Orange SANDSTONE with</u>	<u>Cemented</u>
		<u>Thin layers TAN clay layers</u>	
<u>140</u>	<u>151</u>	<u>TAN SANDSTONE med</u>	<u>Cemented</u>
<u>151</u>	<u>158</u>	<u>Grey shale</u>	<u>STIFF</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____



DRILLING LOG

DATE: 4-8-26

NAME: Keith Ziegenbein

North # 1 Test Hole

ADDRESS: _____

LAT: 41 MIN: 3 SEC: 44.86

WELL LOCATION: 770 CRA Ashland, NE

LONG: 96 MIN: 26 SEC: 23.92

PURPOSE OF WELL: _____

TEST HOLE DEPTH: 125' WELL DEPTH: _____

STATIC WATER LEVEL: _____

TEST HOLE DIA: 5 1/2 BORE HOLE DIA: _____

PUMPING WATER LEVEL: _____ AT _____ GPM

LOOP DEPTH: _____ # OF LOOPS: _____ SIZE: _____

ESTIMATED CAPACITY OF WELL: _____ GPM

CASING LENGTH: _____ CASING DIA _____

FROM: _____ TO: _____ OPEN HOLE

WALL THICKNESS: _____ MATERIAL: _____

FROM: _____ TO: _____ BETONITE SEAL

SCREEN LENGTH: _____ SCREEN DIA: _____

FROM: _____ TO: _____ GRAVEL

SLOT _____ TYPE _____

FROM: _____ TO: _____ BETONITE SEAL

TRADE NAME: _____

FROM: _____ TO: _____ PACK SAND

FROM	TO	MATERIAL/COLOR	HARDNESS
<u>0</u>	<u>25</u>	<u>TAN clay</u>	<u>SOFT</u>
<u>25</u>	<u>35</u>	<u>Brown clay</u>	<u>SOFT</u>
<u>35</u>	<u>40</u>	<u>med TAN SAND</u>	<u>loose</u>
<u>40</u>	<u>50</u>	<u>Coarse Brown SAND</u>	<u>Loose</u>
<u>50</u>	<u>52</u>	<u>TAN + yellow clay</u>	<u>Stiff</u>
<u>52</u>	<u>60</u>	<u>Fine TAN SANDSTONE</u>	<u>Cemented</u>
		<u>Strip of yellow clay</u>	
<u>60</u>	<u>100</u>	<u>TAN + orange SANDSTONE med</u>	<u>Cemented</u>
<u>100</u>	<u>105</u>	<u>Orange Coarse SANDSTONE</u>	<u>Cemented</u>
<u>105</u>	<u>120</u>	<u>med TAN SANDSTONE</u>	<u>Cemented</u>
<u>120</u>	<u>121</u>	<u>Loosing circulation</u>	
<u>121</u>	<u>125</u>	<u>very little circulation cavern?</u>	
<u>125</u>		<u>Limestone</u>	<u>Hard</u>

May 27, 2026

Lower Platte North Natural Resources District

P. O, Box 126

511 Commercial Park Road

Wahoo.NE 68066-0126

Daryl Andersen:

I spoke with AWS, as the board advised, and am now awaiting confirmation from the State that my well's registration has been accepted.

AWS advised that Keith Ziebenbein's proposed well will not be drilled across County Road A, just south of my farm, but instead a half a mile east of me across County Road 8.

My well at 852 County Road A is at a depth of roughly 130 feet. However, Jack Cooper's well is only sitting at 112 feet according to AWS. Jack is located at the corner of County Road A and Country Road 8, across the road from the proposed well sight, near Keith's hay storage building.

Keith's proposed well is significantly deeper than Jack's and potentially could run Jack's homestead dry if approved at its current depth. Jack waters a small herd of beef on his property each fall through the spring. He is a good neighbor and has lived at this location for MANY years.

I wish to remind the Board that restrictions were placed on drilling in the area for a reason. The peaceful enjoyment of our property is a landowner's right and there is nothing peaceful about lugging water because someone decided to drop a well in an area where it could not be sustained.

I am unable to attend tomorrow's meeting due to work obligations. However, I ask for written assurance from the board that if approved, conditions will be placed on this approval to force Keith to stop pumping if his neighbors are adversely affected.

I will **fiercely** protect my daughter's livestock interests in our farm should legal action become necessary.

Sincerely,

Josephine M. Kennedy

New Hope Farm

852 County Road A

Ashland, NE 68003



May 8, 2026

Invoice No: 34070

Invoice Total: \$10,657.25

Daryl Andersen
Lower Platte North NRD
511 Commercial Park Road
Wahoo, NE 68066-0126

Please Remit To:
Spheros Environmental
1221 Auraria Pkwy
Denver, CO 80204
(303) 455-9589
billing@LREwater.com

Invoice Email: dandersen@lpnrd.org
Project No.: 536-LPN00-07
Project Name: LPNNRD Scoring Sheets Quantity Areas

Professional Services through April 25, 2026

Task 1 Scoring Sheets

Professional Personnel

	Hours	Rate	Amount
Hume, David	29.50	265.00	7,817.50
Mohr, Jonathan	6.00	217.00	1,302.00
Sopiwnik, Roscoe	5.50	250.00	1,375.00
Totals	41.00		10,494.50
Total Labor			\$10,494.50

Total this Task \$10,494.50

Task 2 Revised Criteria for Est. Quantity Mngmt

Professional Personnel

	Hours	Rate	Amount
Mohr, Jonathan	.75	217.00	162.75
Totals	.75		162.75
Total Labor			\$162.75

Total this Task \$162.75

Total this Invoice \$10,657.25

Outstanding Invoices

Number	Date	Balance
33567	4/10/2026	2,638.50
Total		\$2,638.50

Total Now Due \$13,295.75

Tri City Meters, Inc.
 210 E. Front St.
 P O Box 126
 Alda, NE. 68810



SALES INVOICE

Date	Invoice #
5/26/2026	22195

Please Remit Payment to: P.O. Box 126 Alda, NE. 68810-0126

Bill To:

Ship To:

Lower Platte North NRD
 511 Commercial Park Rd
 Wahoo, NE 68066

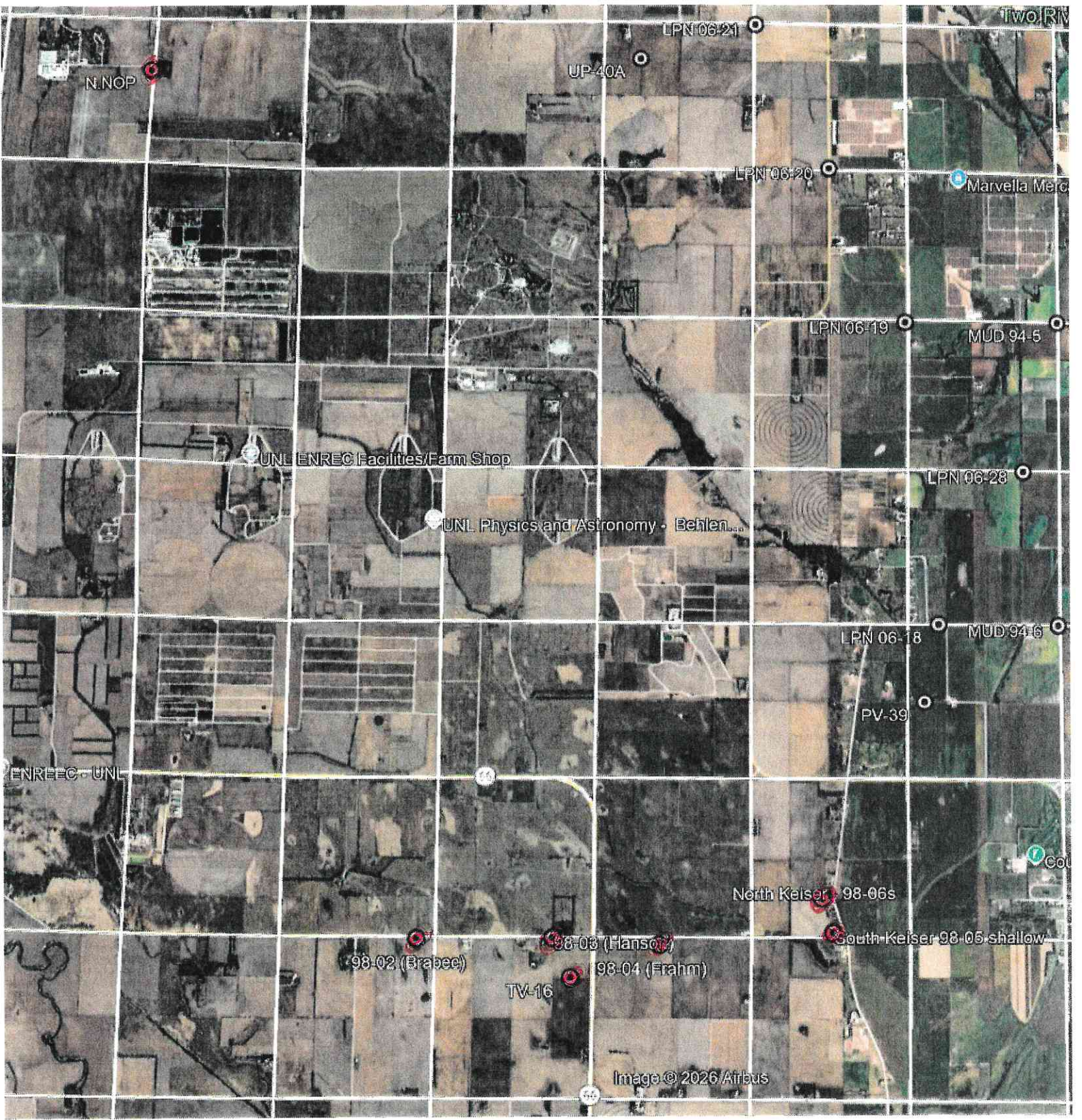
P.O. No.	Terms	Ship Date	Ship Via
	Due on receipt	5/19/2026	

Item	Quantity	Description	Rate	Amount
LPNRD Meter Ser...	327	2025 Meter Service Meter Service work in LPNRD Mechanical Meters	80.00	26,160.00
LPNRD Meter Ser...	44	Meter Service work in LPNRD Electronic Meters Senninger/Seametrics Batteries to be billed to owners separately.	95.00	4,180.00
Total				\$30,340.00

Payment Terms: - Invoice amount shall be due and payable in thirty (30) days from invoice date.
 - Interest at 1.5 percent per month shall be accrued on any unpaid past due balance.

This Invoice is Subject to the Policies, Terms, and Conditions Set Forth on the Reverse Side.

Phone #	Fax #	E-mail
308-379-2013	308-382-1811	tricitymeters@gmail.com



N.NOP

UP-40A

LPN 06-21

LPN 06-20

LPN 06-19

MUD 94-5

UNL ENREC Facilities/Farm Shop

UNL Physics and Astronomy - Behlen...

LPN 06-28

LPN 06-18

MUD 94-6

PV-39

ENREC-UNL

North Keiser 98-06s

South Keiser 98-05 shallow

98-02 (Brabeck)

98-03 (Hanson)

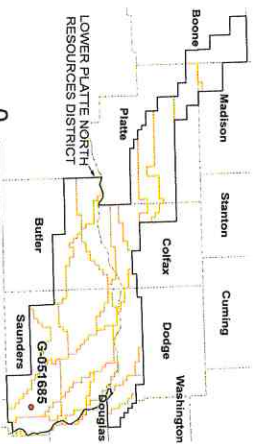
98-04 (Frahm)

TV-16

Image © 2026 Airbus

Two RN

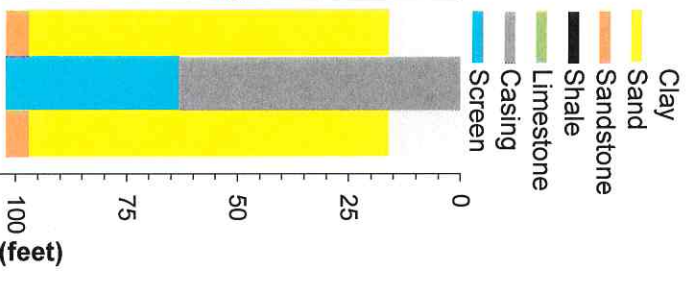
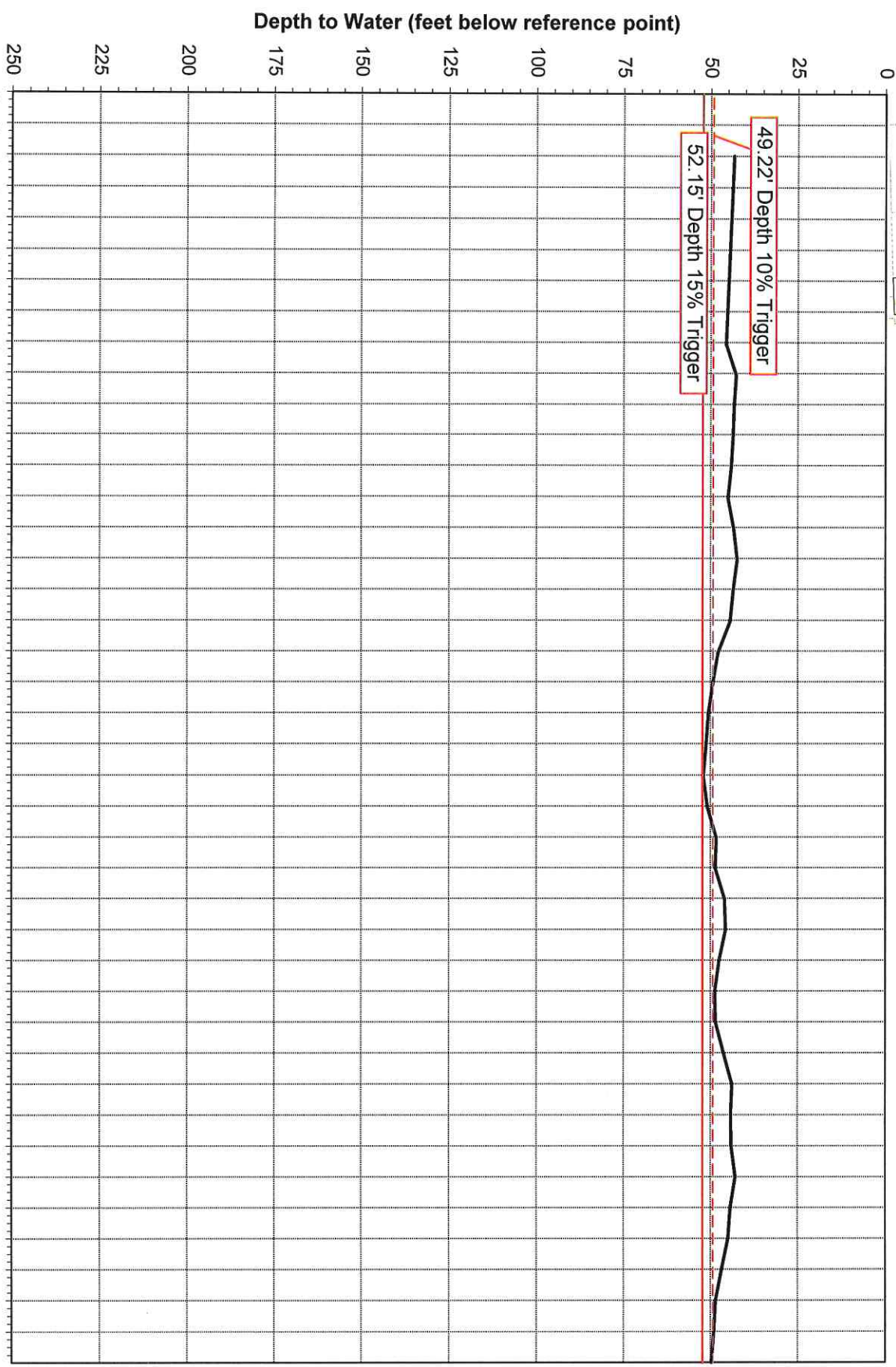
Col



LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT
G-051685/TV-16

SUB AREA: TODD VALLEY SOUTH
SPRING LEVELS DEPTH TO WATER VS. TIME
NE 1/4, NE 1/4, SEC. 5, T13N, R9E
SPRING 1985 THROUGH SPRING 2025

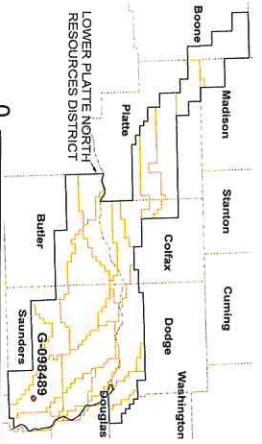
Well Depth: 102 ft
 Top of Screen: 63 ft
 Bottom of Screen: 102 ft
 High Capacity Wells Within 1-Mile Radius: 5



LOWER PLATTE NORTH
 Natural Resources District

Date





LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT

G-098489/98-02 (BRABEC)

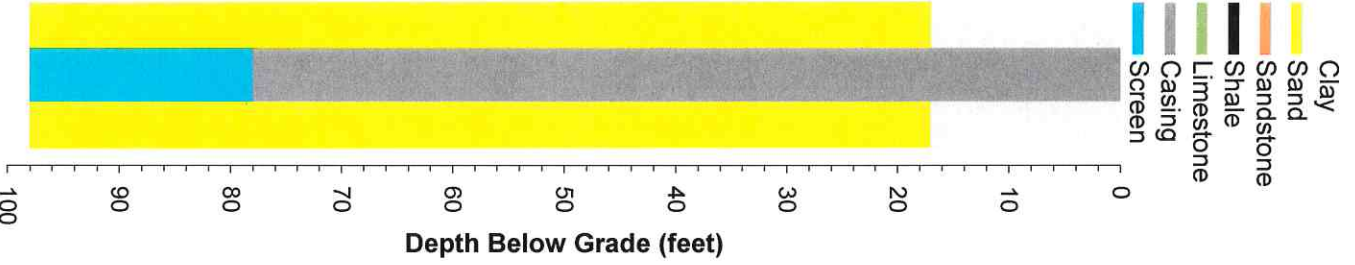
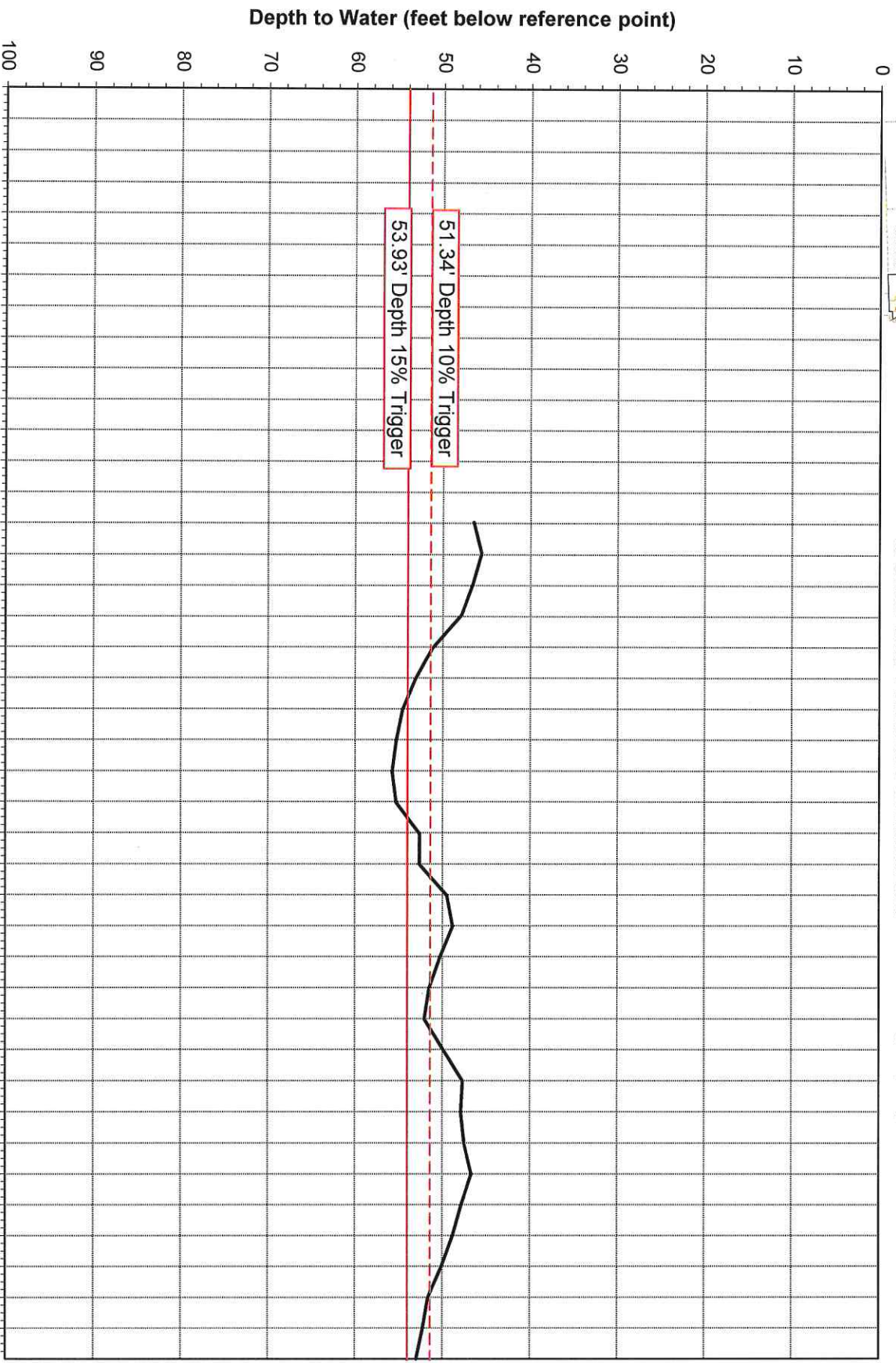
SUB AREA: TODD VALLEY SOUTH

SPRING LEVELS DEPTH TO WATER VS. TIME

NE 1/4, NE 1/4, SEC. 6, T13N, R9E

SPRING 1985 THROUGH SPRING 2025

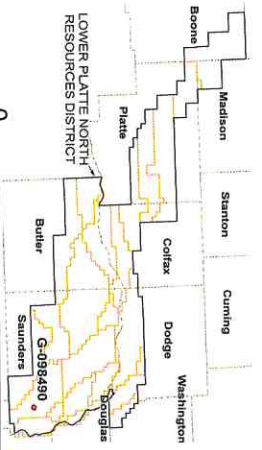
Well Depth: 98 ft
 Top of Screen: 78 ft
 Bottom of Screen: 98 ft
 High Capacity Wells Within 1-Mile Radius: 4



LOWER PLATTE NORTH
 Natural Resources District

Date



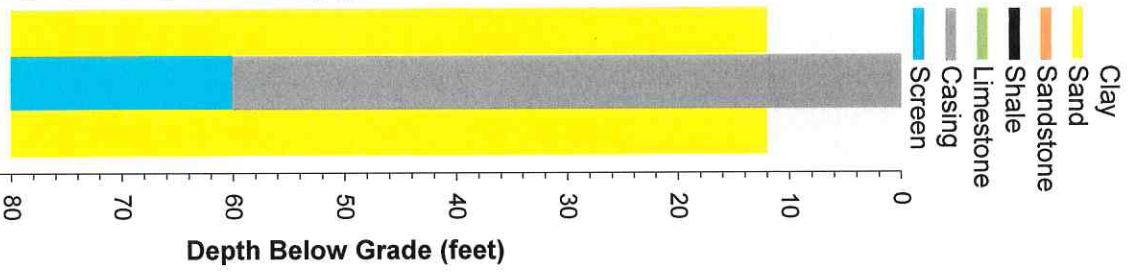
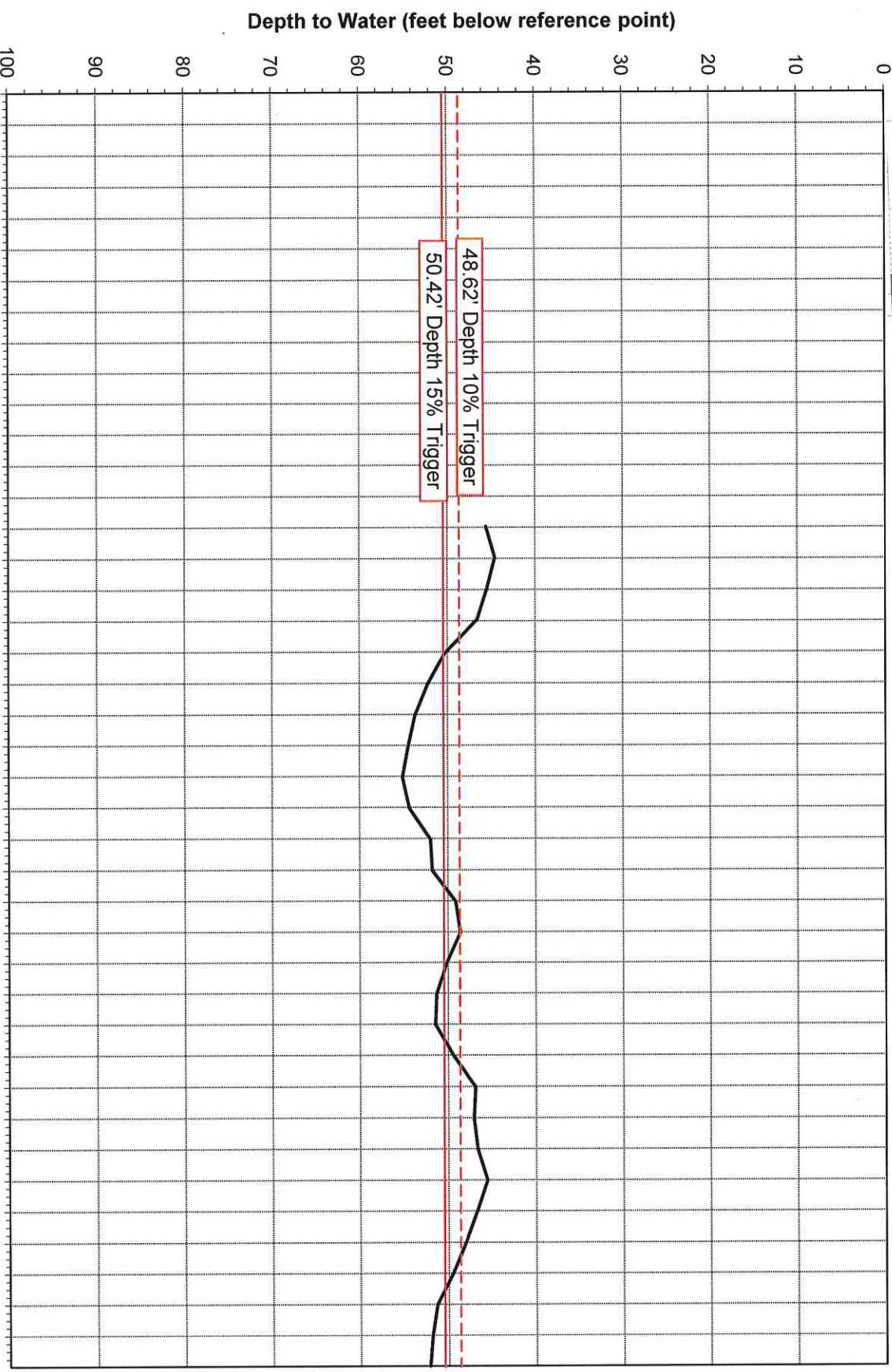


LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT

G-098490/98-03 (HANSON)

SUB AREA: TODD VALLEY SOUTH
SPRING LEVELS DEPTH TO WATER VS. TIME
NW 1/4, NE 1/4, SEC. 5, T13N, R9E
SPRING 1985 THROUGH SPRING 2025

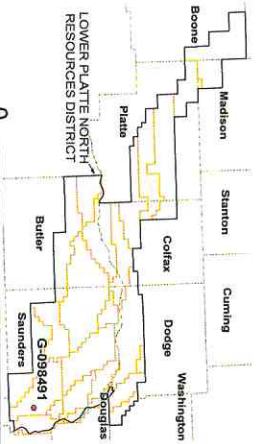
Well Depth: 80 ft
 Top of Screen: 60 ft
 Bottom of Screen: 80 ft
 High Capacity Wells Within 1-Mile Radius: 7



LOWER PLATTE NORTH
 Natural Resources District

Date





LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT

G-098491/98-04 (FRAHM)

SUB AREA: TODD VALLEY SOUTH

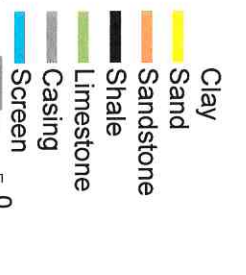
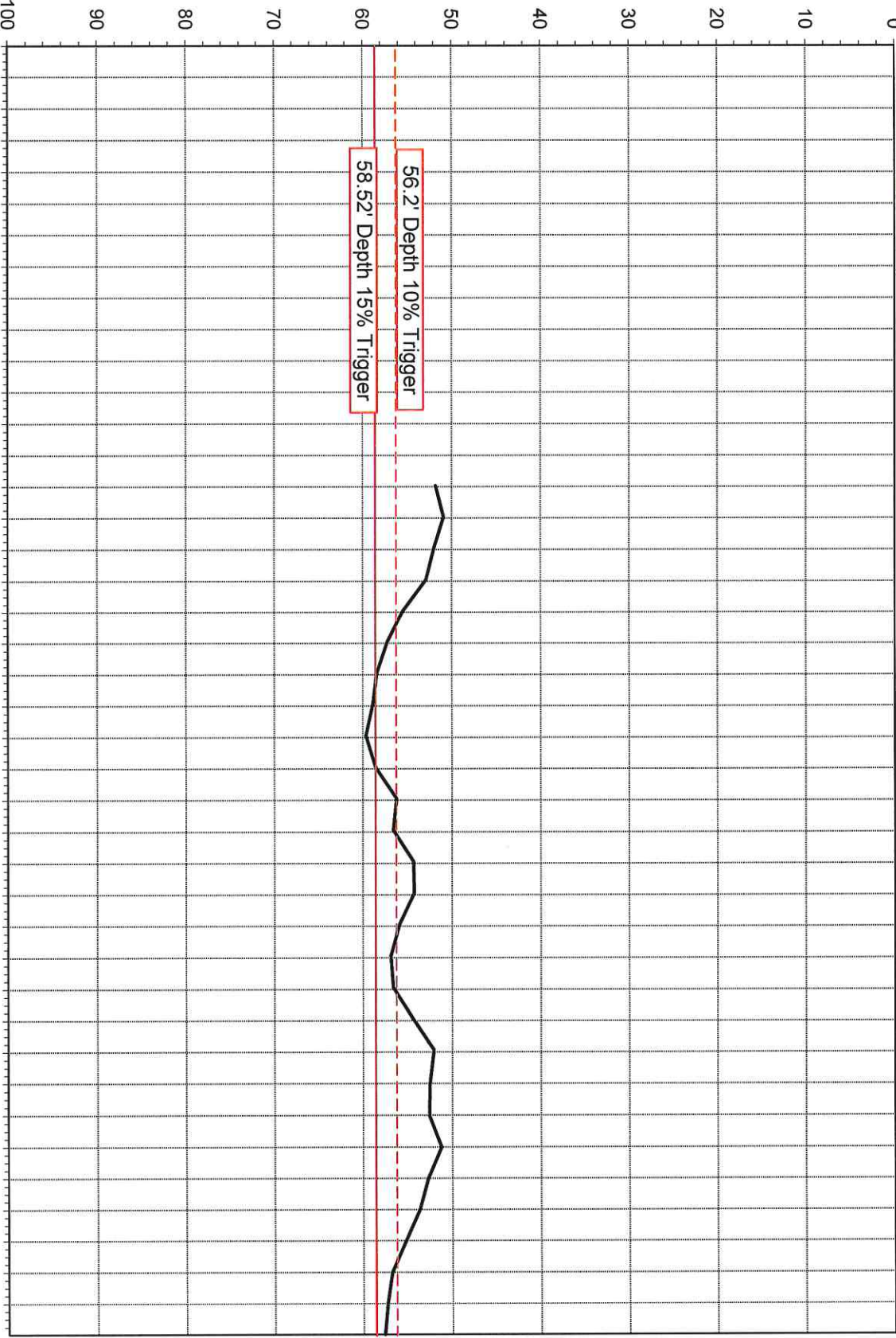
SPRING LEVELS DEPTH TO WATER VS. TIME

NE 1/4, NW 1/4, SEC. 4, T13N, R9E

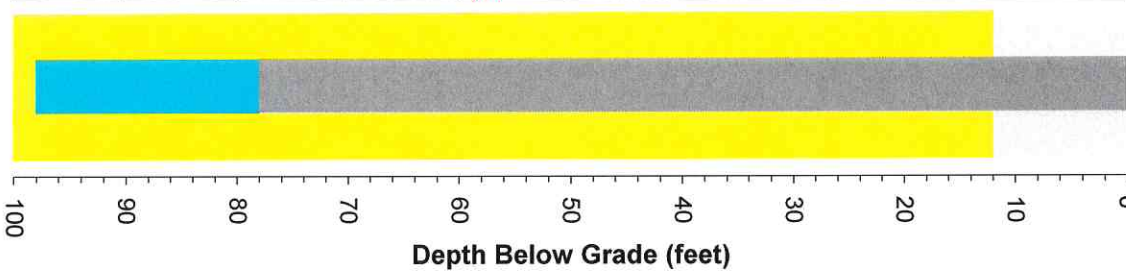
SPRING 1985 THROUGH SPRING 2025

Well Depth: 98 ft
 Top of Screen: 78 ft
 Bottom of Screen: 98 ft
 High Capacity Wells Within 1-Mile Radius: 4

Depth to Water (feet below reference point)



Depth Below Grade (feet)



LOWER PLATTE NORTH
 Natural Resources District

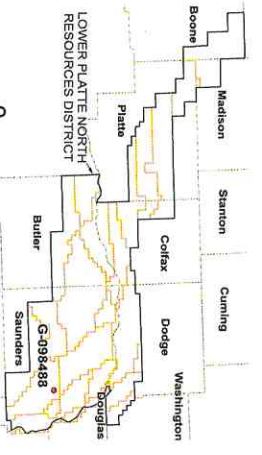
Date

Mar-85
Mar-86
Mar-87
Mar-88
Mar-89
Mar-90
Mar-91
Mar-92
Mar-93
Mar-94
Mar-95
Mar-96
Mar-97
Mar-98
Mar-99
Mar-00
Mar-01
Mar-02
Mar-03
Mar-04
Mar-05
Mar-06
Mar-07
Mar-08
Mar-09
Mar-10
Mar-11
Mar-12
Mar-13
Mar-14
Mar-15
Mar-16
Mar-17
Mar-18
Mar-19
Mar-20
Mar-21
Mar-22
Mar-23
Mar-24
Mar-25





LOWER PLATTE NORTH
Natural Resources District



LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT

G-098488/98-01 (N.NOP)

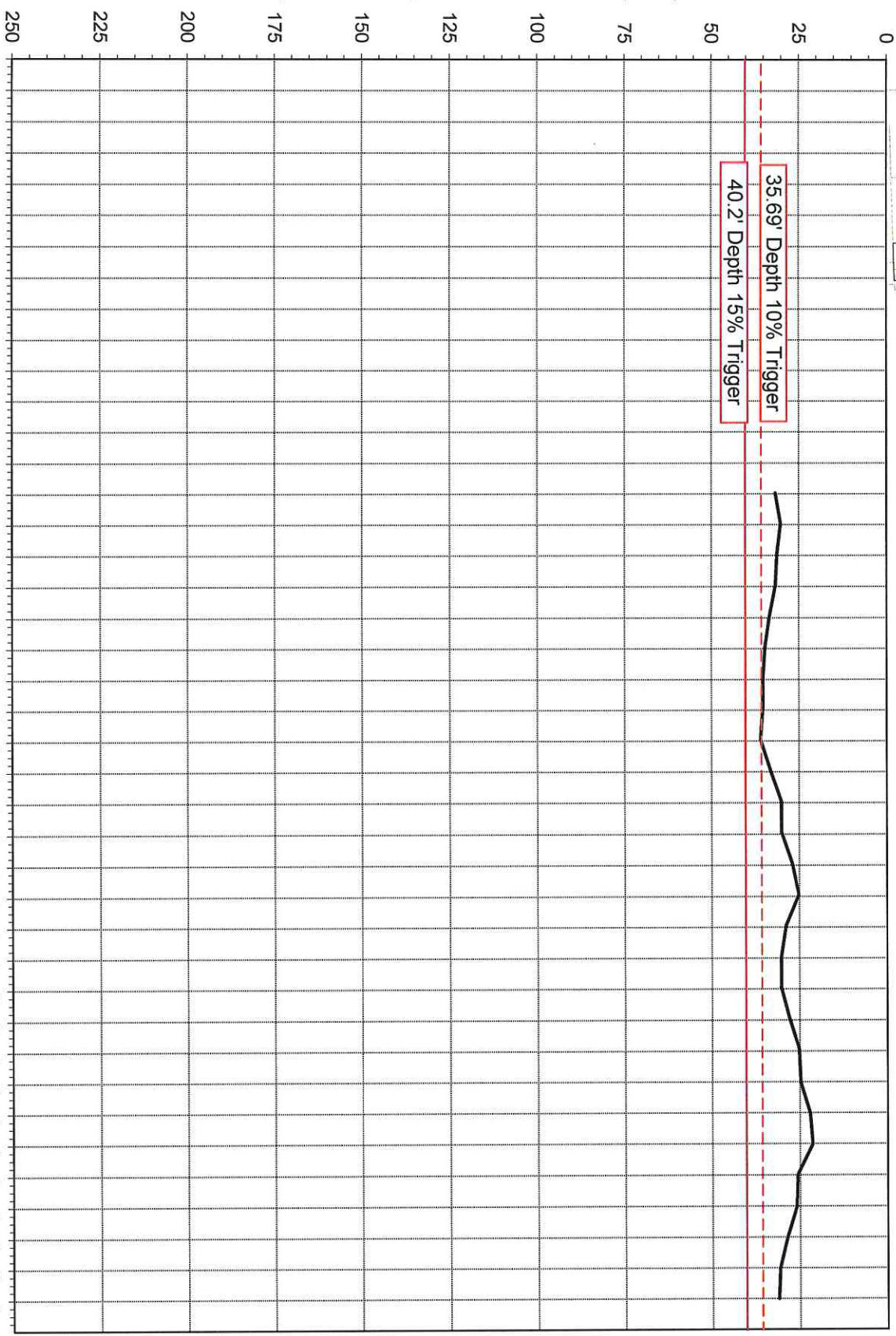
SUB AREA: TODD VALLEY SOUTH

SE 1/4, NE 1/4, SEC. 2, T14N, R8E

SPRING 1985 THROUGH SPRING 2025

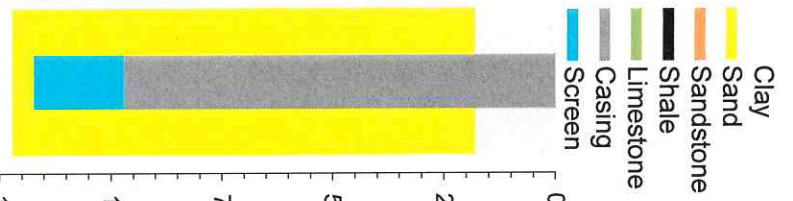
Well Depth: 117 ft
Top of Screen: 97 ft
Bottom of Screen: 117 ft
High Capacity Wells Within 1-Mile Radius: 16

Depth to Water (feet below reference point)

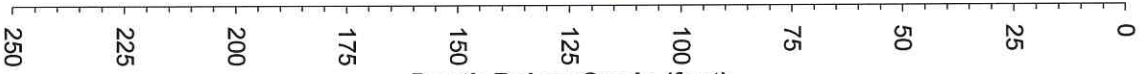


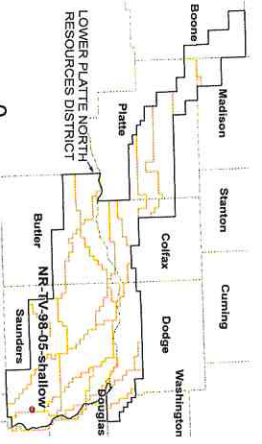
Date

Mar-85 Mar-86 Mar-87 Mar-88 Mar-89 Mar-90 Mar-91 Mar-92 Mar-93 Mar-94 Mar-95 Mar-96 Mar-97 Mar-98 Mar-99 Mar-00 Mar-01 Mar-02 Mar-03 Mar-04 Mar-05 Mar-06 Mar-07 Mar-08 Mar-09 Mar-10 Mar-11 Mar-12 Mar-13 Mar-14 Mar-15 Mar-16 Mar-17 Mar-18 Mar-19 Mar-20 Mar-21 Mar-22 Mar-23 Mar-24 Mar-25



Depth Below Grade (feet)



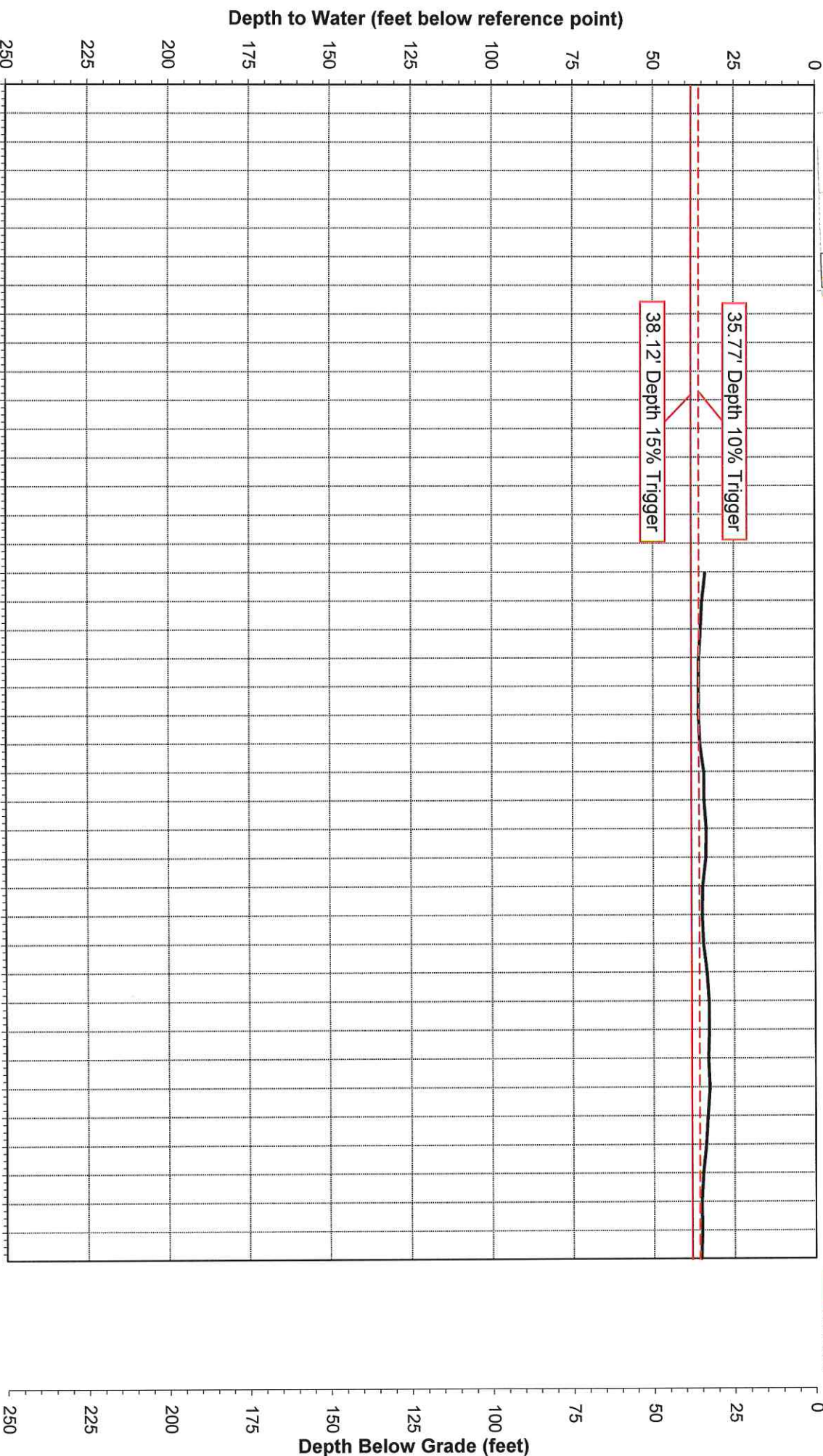


LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT
 NR-TV-98-05-SHALLOW
 SUB AREA: TODD VALLEY SOUTH
 SPRING LEVELS DEPTH TO WATER VS. TIME
 NW 1/4, SE 1/4, SEC. 34, T14N, R9E
 SPRING 1985 THROUGH SPRING 2025

Well Details Are Unknown

High Capacity Wells Within 1-Mile Radius: 6

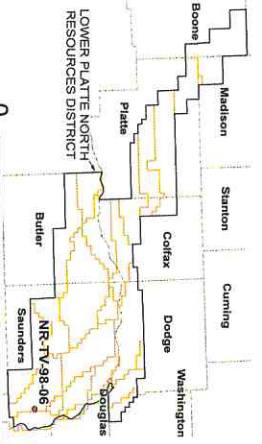
- Clay
- Sand
- Sandstone
- Shale
- Limestone
- Casing
- Screen



LOWER PLATTE NORTH
 Natural Resources District

Date





LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT

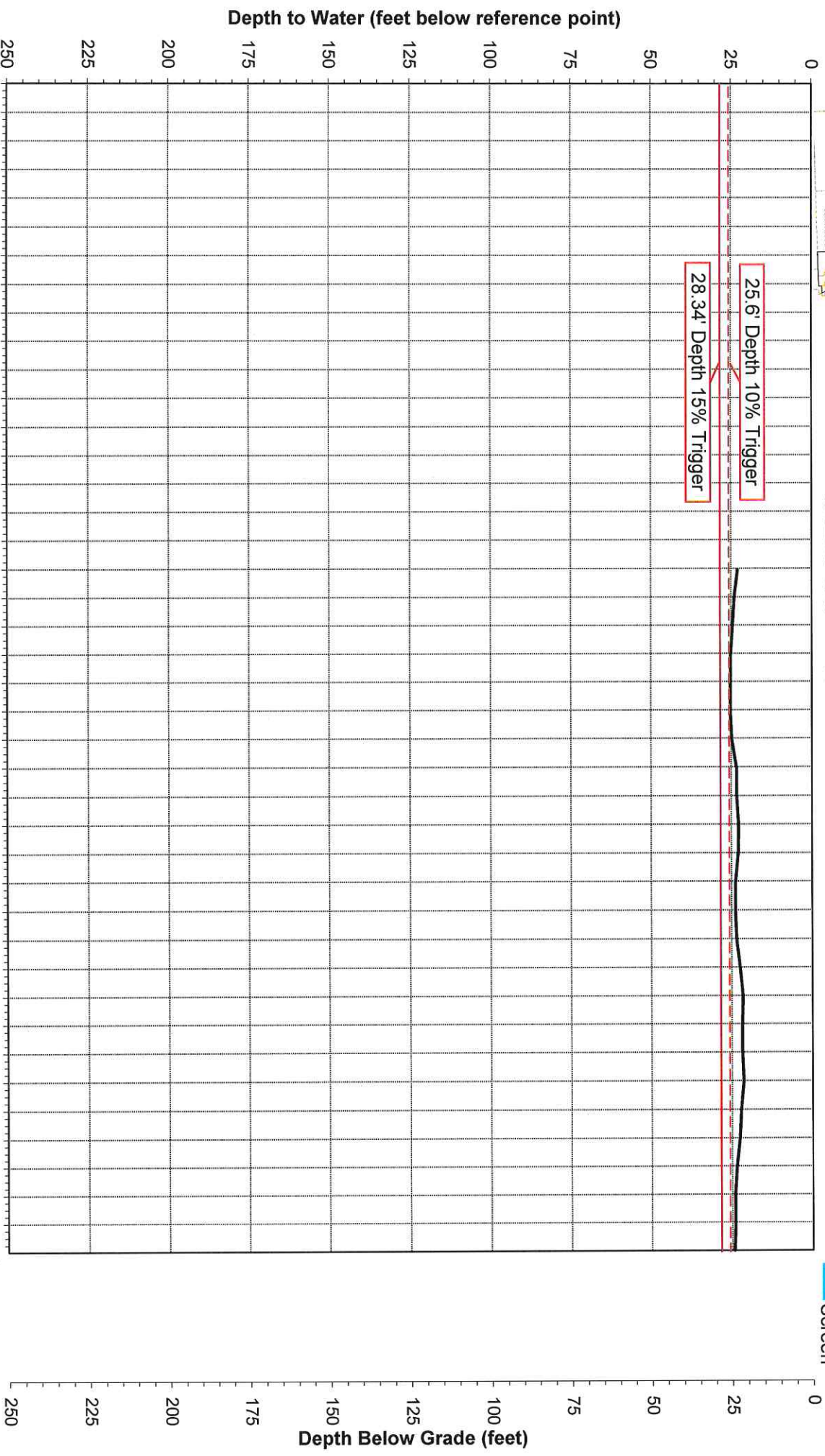
NR-TV-98-06

Well Details Are Unknown

SUB AREA: TODD VALLEY SOUTH
SPRING LEVELS DEPTH TO WATER VS. TIME
 NW 1/4, SE 1/4, SEC. 34, T14N, R9E
 SPRING 1985 THROUGH SPRING 2025

High Capacity Wells Within 1-Mile Radius: 6

- Clay
- Sand
- Sandstone
- Shale
- Limestone
- Casing
- Screen



Depth to Water (feet below reference point)

Depth Below Grade (feet)



LOWER PLATTE NORTH
 Natural Resources District

Date



RegCD: G-098489

Well #: 98-02 (Brabec)

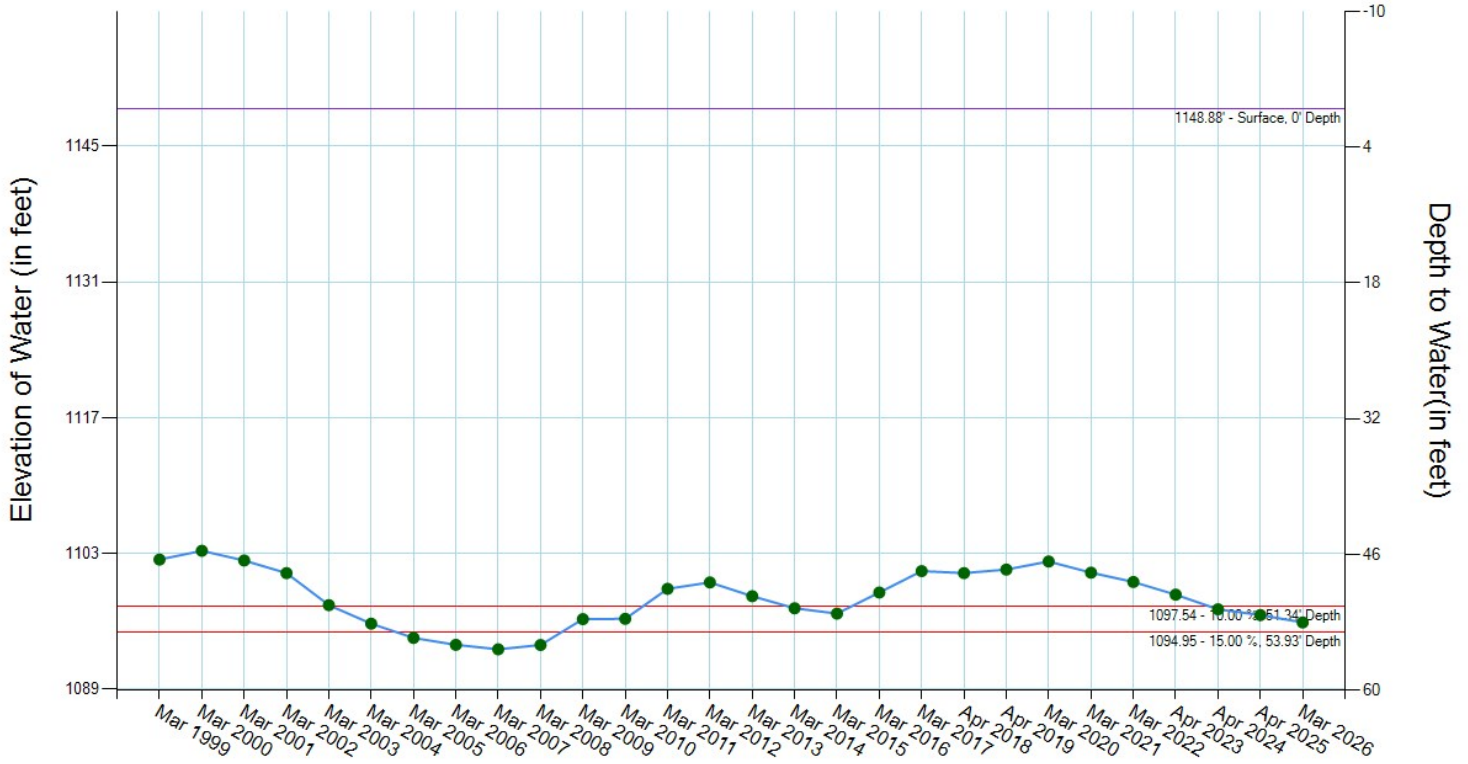
Region: Todd V.

County: Saunders

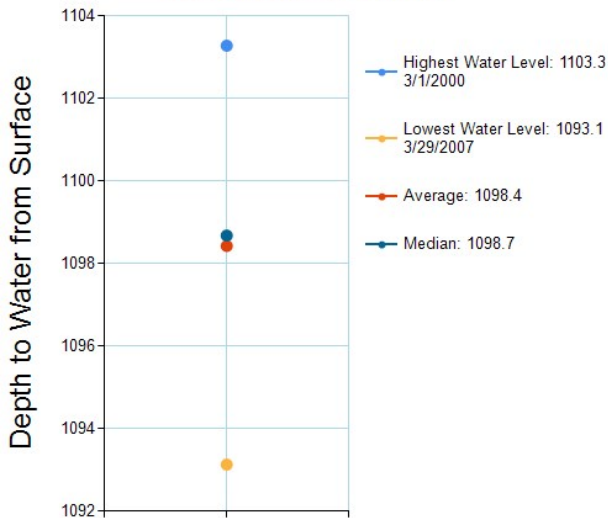
Legal: 13-9E-6

Owner Name: Richard S Brabec

Water Level Readings



Record Results



Historical Readings (date - reading)

03/01/1999 - 1102.4	03/29/2006 - 1093.6	03/29/2013 - 1098.6	03/31/2020 - 1102.2
03/01/2000 - 1103.3	03/29/2007 - 1093.1	03/31/2014 - 1097.4	03/30/2021 - 1101
03/01/2001 - 1102.3	03/28/2008 - 1093.6	03/30/2015 - 1096.8	03/30/2022 - 1100.1
03/01/2002 - 1101	03/30/2009 - 1096.2	03/28/2016 - 1099	04/04/2023 - 1098.8
03/31/2003 - 1097.7	03/29/2010 - 1096.3	03/31/2017 - 1101.2	04/02/2024 - 1097.3
03/29/2004 - 1095.8	03/29/2011 - 1099.4	04/04/2018 - 1101	04/01/2025 - 1096.7
03/29/2005 - 1094.3	03/29/2012 - 1100	04/02/2019 - 1101.4	03/31/2026 - 1095.9

RegCD: G-098490

Well #: 98-03 (Hanson)

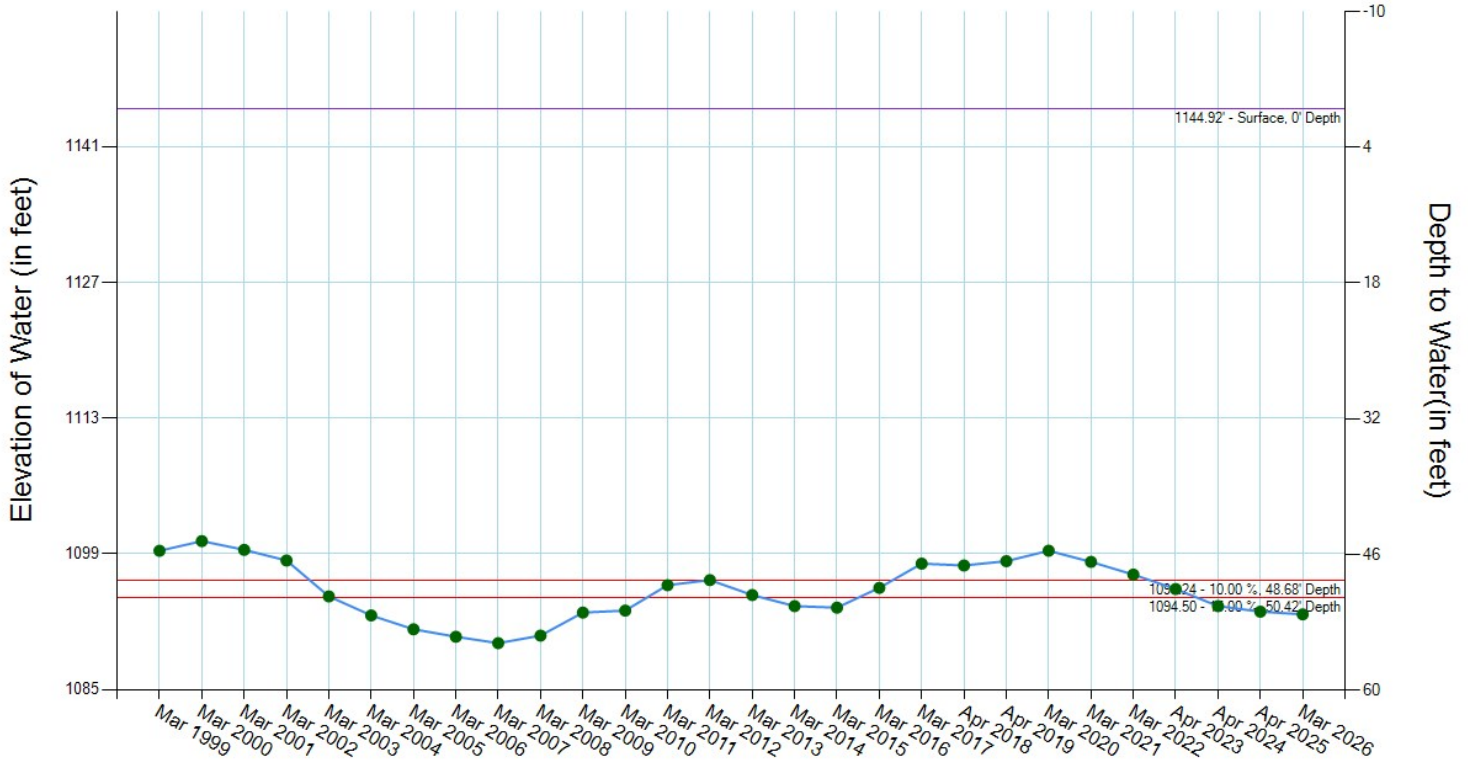
Region: Todd V.

County: Saunders

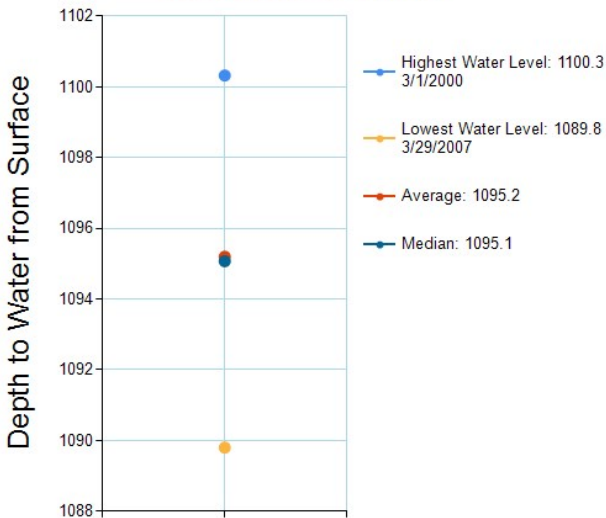
Legal: 13-9E-5

Owner Name: Robert Newsham

Water Level Readings



Record Results



Historical Readings (date - reading)

03/01/1999 - 1099.3	03/29/2006 - 1090.5	03/29/2013 - 1094.8	03/31/2020 - 1099.3
03/01/2000 - 1100.3	03/29/2007 - 1089.8	03/31/2014 - 1093.6	03/30/2021 - 1098.2
03/01/2001 - 1099.4	03/28/2008 - 1090.6	03/30/2015 - 1093.5	03/30/2022 - 1096.9
03/01/2002 - 1098.3	03/30/2009 - 1093	03/28/2016 - 1095.5	04/04/2023 - 1095.4
03/31/2003 - 1094.6	03/29/2010 - 1093.2	03/31/2017 - 1098	04/02/2024 - 1093.6
03/29/2004 - 1092.7	03/29/2011 - 1095.8	04/04/2018 - 1097.8	04/01/2025 - 1093.1
03/29/2005 - 1091.2	03/29/2012 - 1096.3	04/02/2019 - 1098.3	03/31/2026 - 1092.8

RegCD: G-098491

Well #: 98-04 (Frahm)

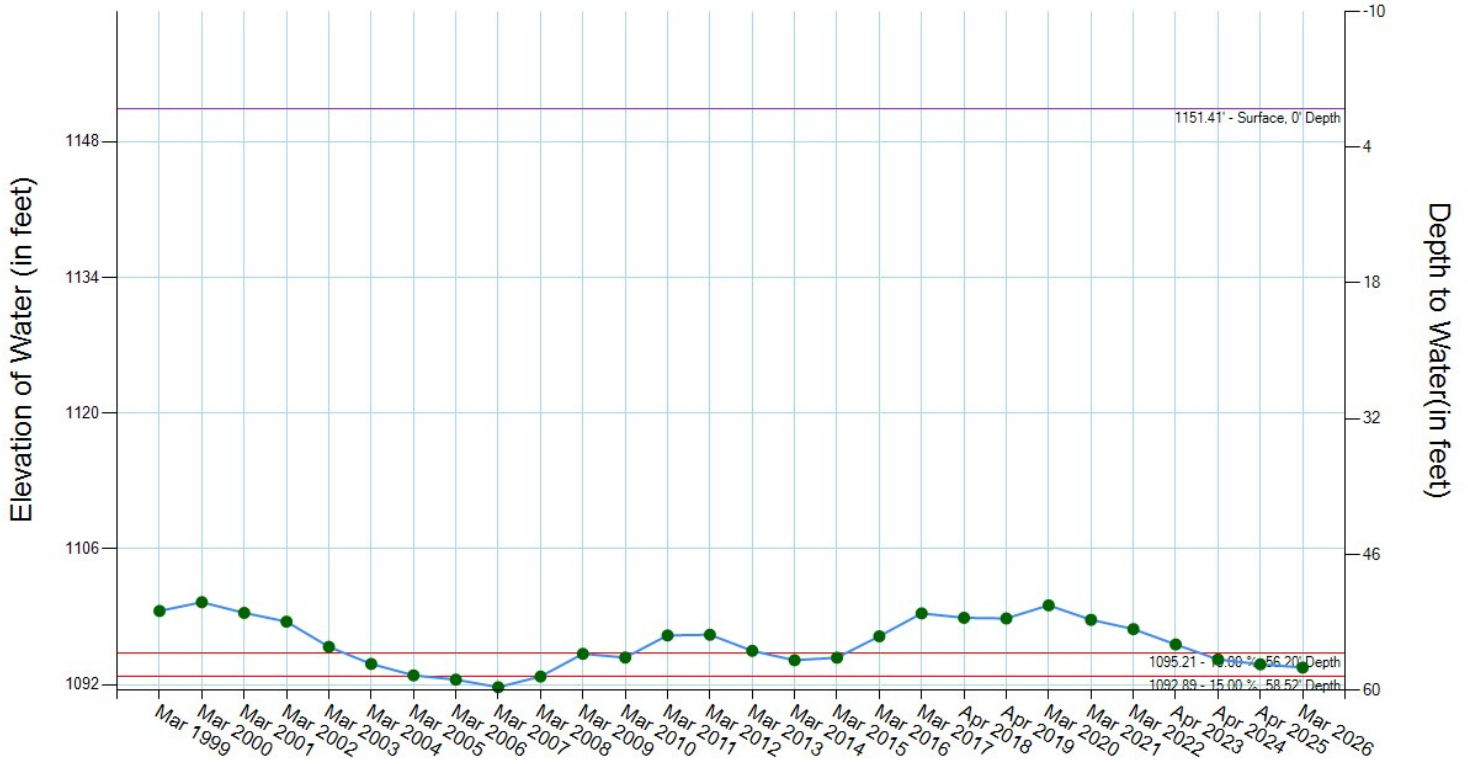
Region: Todd V.

County: Saunders

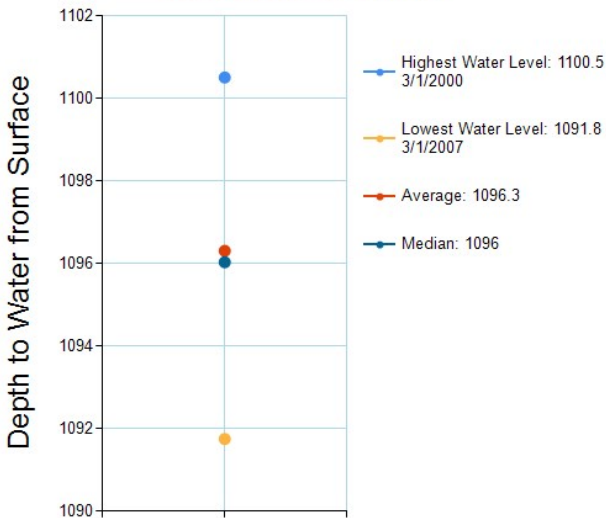
Legal: 13-9E-4

Owner Name: Steven Frahm

Water Level Readings



Record Results



Historical Readings (date - reading)

03/01/1999 - 1099.6	03/01/2006 - 1092.5	03/01/2013 - 1095.5	03/31/2020 - 1100.2
03/01/2000 - 1100.5	03/01/2007 - 1091.8	03/01/2014 - 1094.5	03/30/2021 - 1098.7
03/01/2001 - 1099.4	03/01/2008 - 1092.9	03/01/2015 - 1094.8	03/30/2022 - 1097.7
03/01/2002 - 1098.5	03/01/2009 - 1095.2	03/01/2016 - 1097	04/04/2023 - 1096.2
03/01/2003 - 1095.9	03/01/2010 - 1094.8	03/01/2017 - 1099.4	04/02/2024 - 1094.6
03/01/2004 - 1094.2	03/01/2011 - 1097.1	04/04/2018 - 1098.9	04/01/2025 - 1094.1
03/01/2005 - 1093	03/01/2012 - 1097.2	04/02/2019 - 1098.8	03/31/2026 - 1093.8

RegCD: NR-TV-98-06

Well #: North Keiser - 98-06

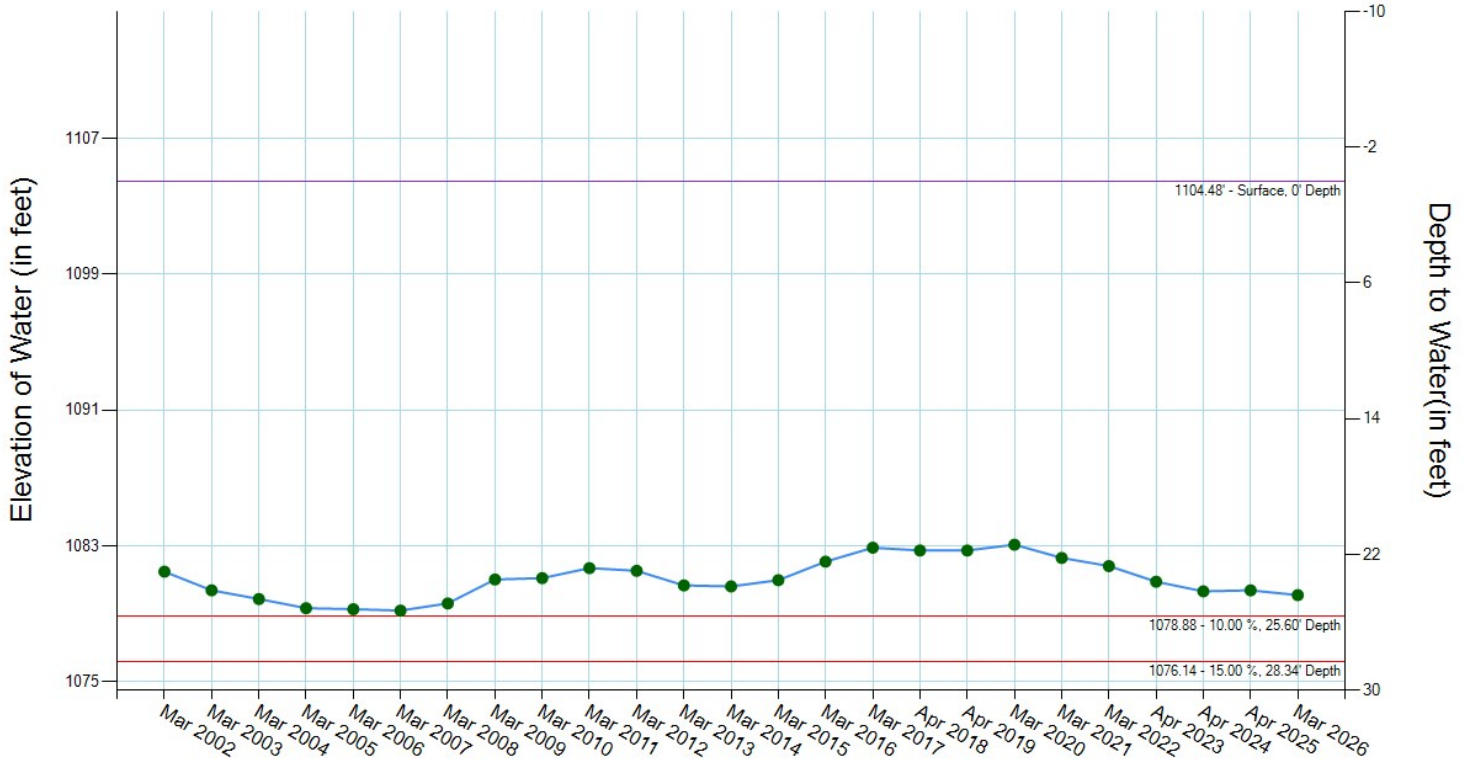
Region: Todd V.

County: Saunders

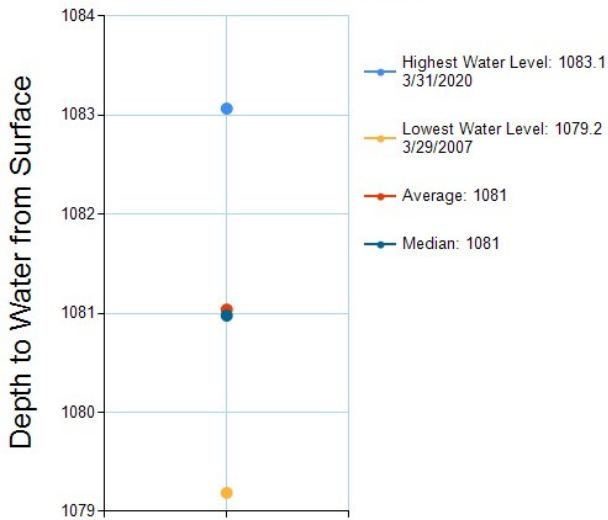
Legal: 14-9E-34

Owner Name: Stan Keiser

Water Level Readings



Record Results



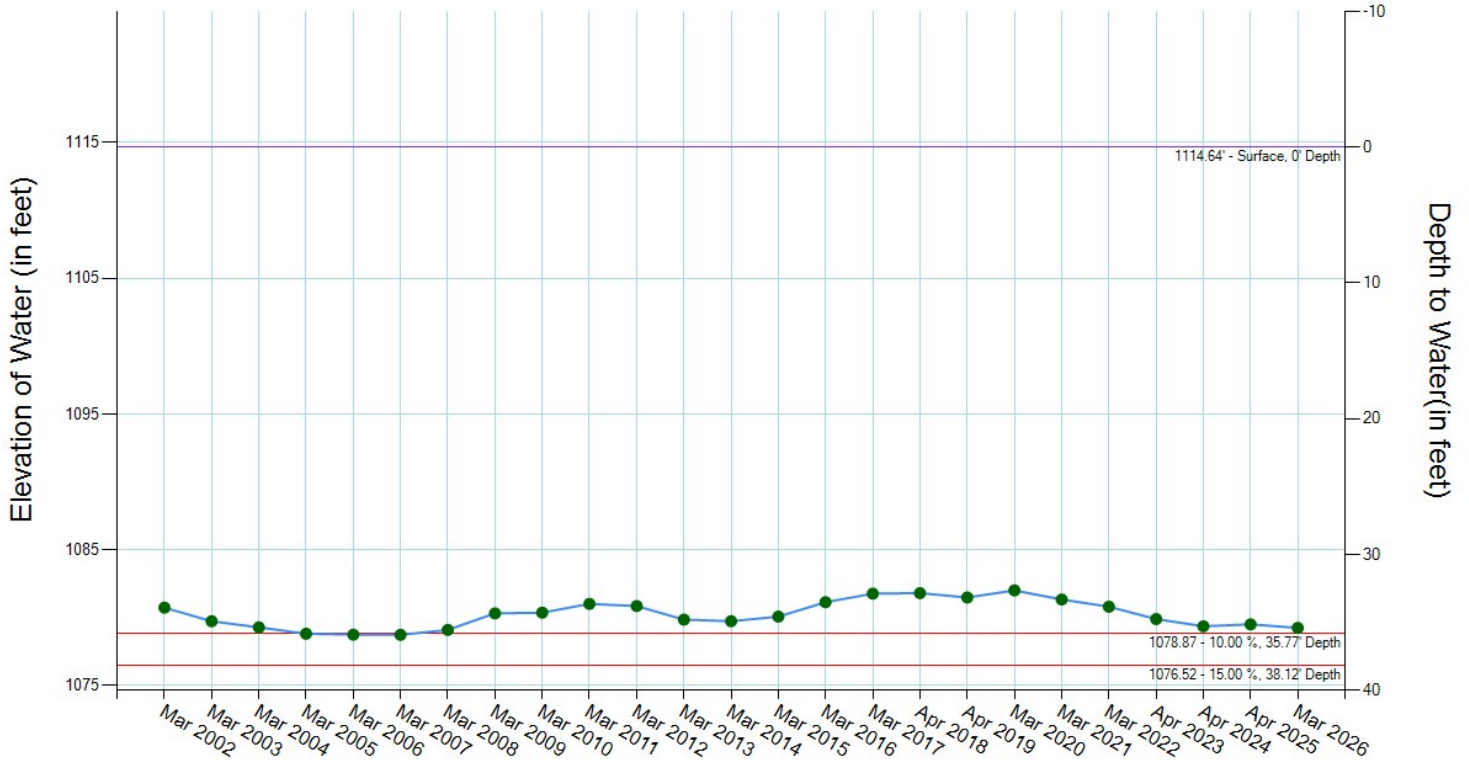
Historical Readings (date - reading)

03/31/2002 - 1081.5	03/28/2008 - 1079.6	03/31/2014 - 1080.6	03/31/2020 - 1083.1
03/31/2003 - 1080.4	03/30/2009 - 1081	03/30/2015 - 1081	03/30/2021 - 1082.3
03/29/2004 - 1079.9	03/29/2010 - 1081.1	03/28/2016 - 1082.1	03/30/2022 - 1081.8
03/29/2005 - 1079.3	03/29/2011 - 1081.7	03/31/2017 - 1082.9	04/04/2023 - 1080.9
03/29/2006 - 1079.3	03/29/2012 - 1081.5	04/04/2018 - 1082.7	04/02/2024 - 1080.3
03/29/2007 - 1079.2	03/29/2013 - 1080.7	04/02/2019 - 1082.7	04/01/2025 - 1080.4
			03/30/2026 - 1080.1

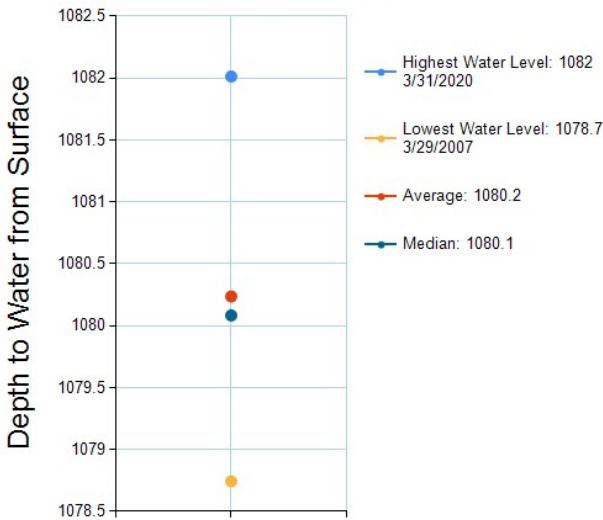
RegCD: NR-TV-98-05-shallow
 Region: Todd V.
 Legal: 14-9e-34

Well #: South Keiser 98-05 shallow
 County: Saunders
 Owner Name: Stan Keiser

Water Level Readings



Record Results



Historical Readings (date - reading)

03/31/2002 - 1080.7	03/28/2008 - 1079.1	03/31/2014 - 1079.7	03/31/2020 - 1082
03/31/2003 - 1079.7	03/30/2009 - 1080.3	03/30/2015 - 1080.1	03/30/2021 - 1081.3
03/29/2004 - 1079.3	03/29/2010 - 1080.4	03/28/2016 - 1081.1	03/30/2022 - 1080.8
03/29/2005 - 1078.8	03/29/2011 - 1081	03/31/2017 - 1081.8	04/04/2023 - 1079.9
03/29/2006 - 1078.8	03/29/2012 - 1080.9	04/04/2018 - 1081.8	04/02/2024 - 1079.4
03/29/2007 - 1078.7	03/29/2013 - 1079.9	04/02/2019 - 1081.5	04/01/2025 - 1079.5
			03/30/2026 - 1079.3

RegCD: G-051685

Well #: TV-16

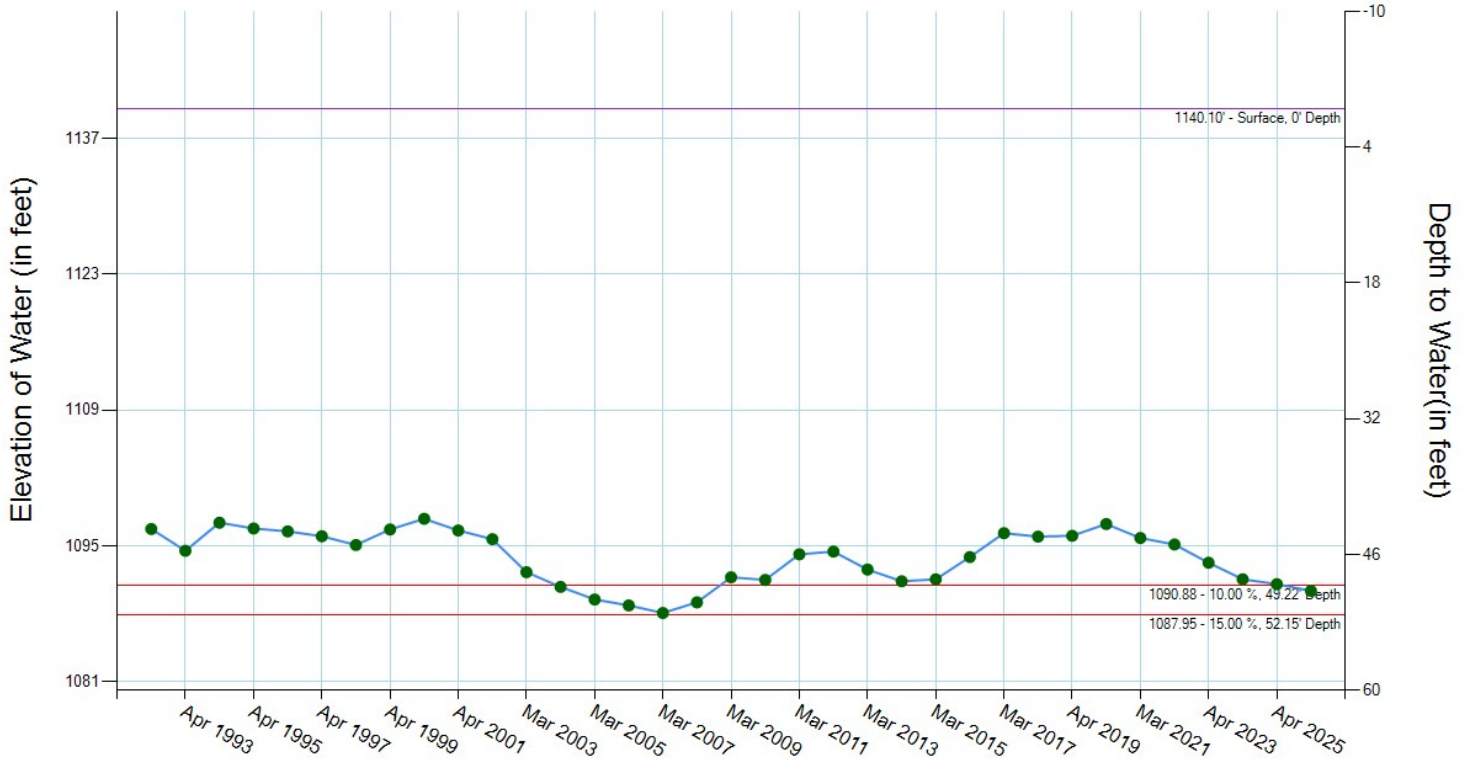
Region: Todd V.

County: Saunders

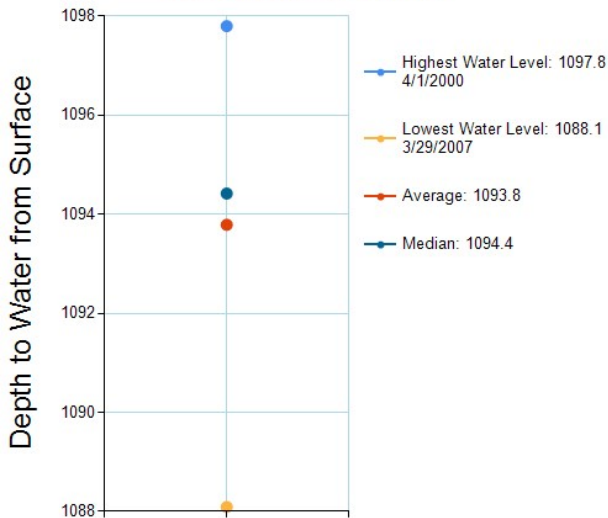
Legal: 13-9E-5

Owner Name: Steven Frahm

Water Level Readings



Record Results



Historical Readings (date - reading)

03/01/1987 - 1096.7	04/01/2001 - 1096.6	03/29/2010 - 1091.5	04/02/2019 - 1096
04/01/1993 - 1094.5	04/01/2002 - 1095.7	03/29/2011 - 1094.1	03/31/2020 - 1097.3
04/01/1994 - 1097.4	03/31/2003 - 1092.3	03/29/2012 - 1094.4	03/30/2021 - 1095.8
04/01/1995 - 1096.8	03/29/2004 - 1090.8	03/29/2013 - 1092.6	03/30/2022 - 1095.1
04/01/1996 - 1096.5	03/29/2005 - 1089.5	03/31/2014 - 1091.4	04/04/2023 - 1093.3
04/01/1997 - 1096	03/29/2006 - 1088.9	03/30/2015 - 1091.6	04/02/2024 - 1091.6
04/01/1998 - 1095.1	03/29/2007 - 1088.1	03/28/2016 - 1093.9	04/01/2025 - 1091.1
04/01/1999 - 1096.7	03/28/2008 - 1089.2	03/31/2017 - 1096.3	03/31/2026 - 1090.4
04/01/2000 - 1097.8	03/30/2009 - 1091.8	03/28/2018 - 1096	

Service Quote

SV0003592



Billing Address

LOWER PLATTE NORTH NRD
Jake M Pittman
511 COMMERCIAL PARK ROAD
P.O. BOX 126
WAHOO, NE 68066
United States

Ship-to Address

LOWER PLATTE NORTH NRD
Jake Pittman
1616 County Road 17
P.O. BOX 126
WAHOO, NE 68066
United States

In-Situ, Inc.

221 E Lincoln Ave
Fort Collins, CO 80524-2533
United States

Contact Name Jake M Pittman
Phone No. 402-443-4675
Email jpittman@lpnrd.org

Order Date

04/30/26

Customer Account

C004961

Inco Terms

FOB Origin

P.O. No.

Payment Terms

Net 30 days

Shipping Agent

FEDEX GROUND

Service Item Lines

Description	Contract No.	Item No.	Serial No.
VuLink CI (Global Cellular, does not include antenna)		0094840	1046455
Rugged Twist-Lock Cable (Premium all-Titanium connectors - 2 year warranty)		0052000	204970

Service Lines

No.	Description	Quantity	Unit Price Excl. Tax	Disc %	Amount
S100100	Instrument evaluation (maintenance, functional & analytic	1.00	96.00	0	96.00
S102001	VuLink top cap replacement (circuit board, SMA connecto	1.00	205.00	0	205.00
S100120	Cable evaluation (visual inspections of cable termination	1.00	81.00	0	81.00
S103011	Twist-Lock connector replacement (removal, replacement	1.00	215.00	0	215.00

Subtotal	597.00
Estimated Tax	0.00
Total USD	597.00

Terms and Conditions: <https://in-situ.com/us/terms-conditions>

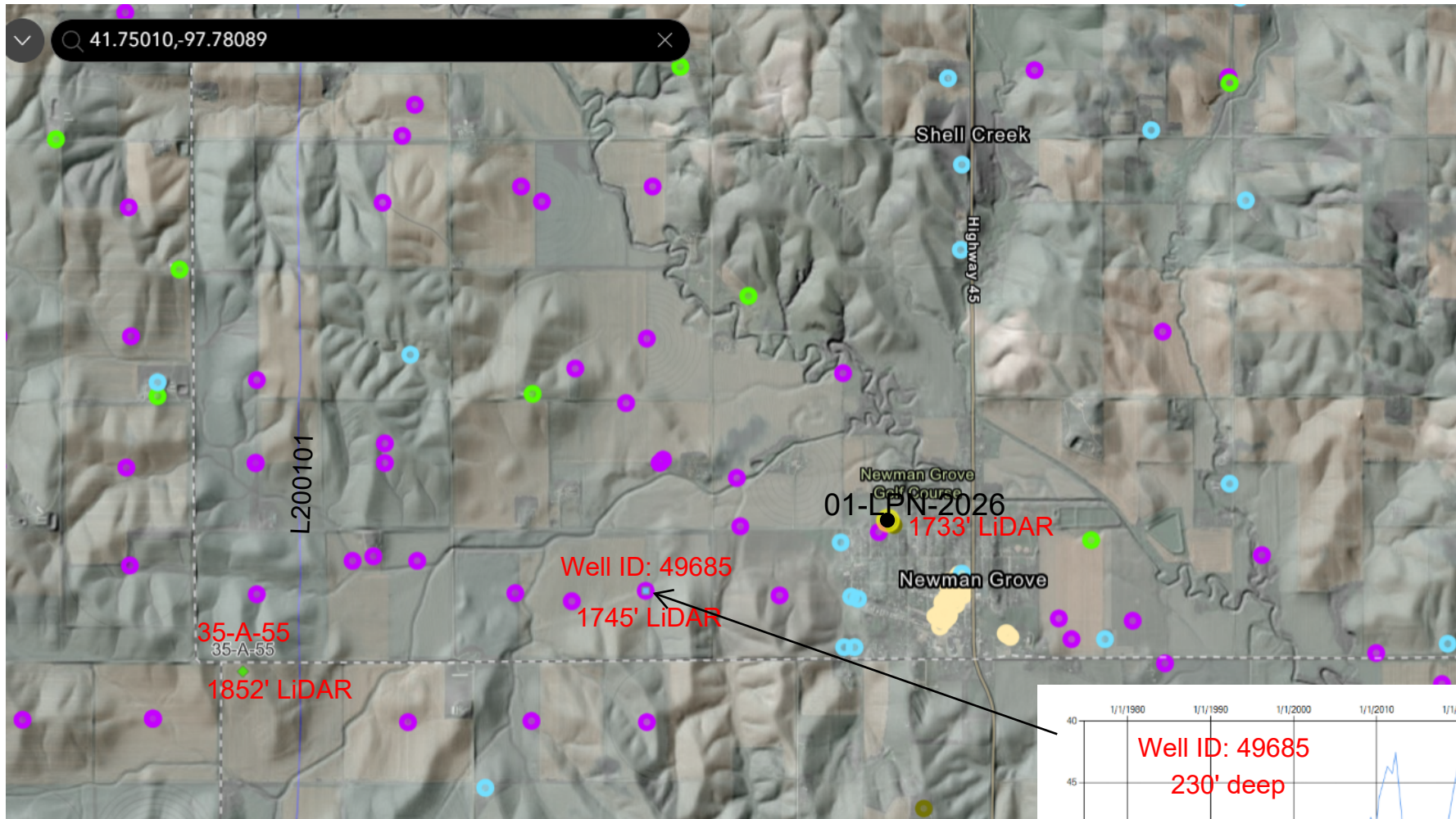
Warranty: <https://in-situ.com/us/warranty>

Home Page
www.in-situ.com

Phone No.
800-4IN-SITU

Email
service@in-situ.com
fieldservice@in-situ.com

CSD Interactive Map Wells, Water Levels, Test holes on LiDAR shaded relief map - Newman Grove Area



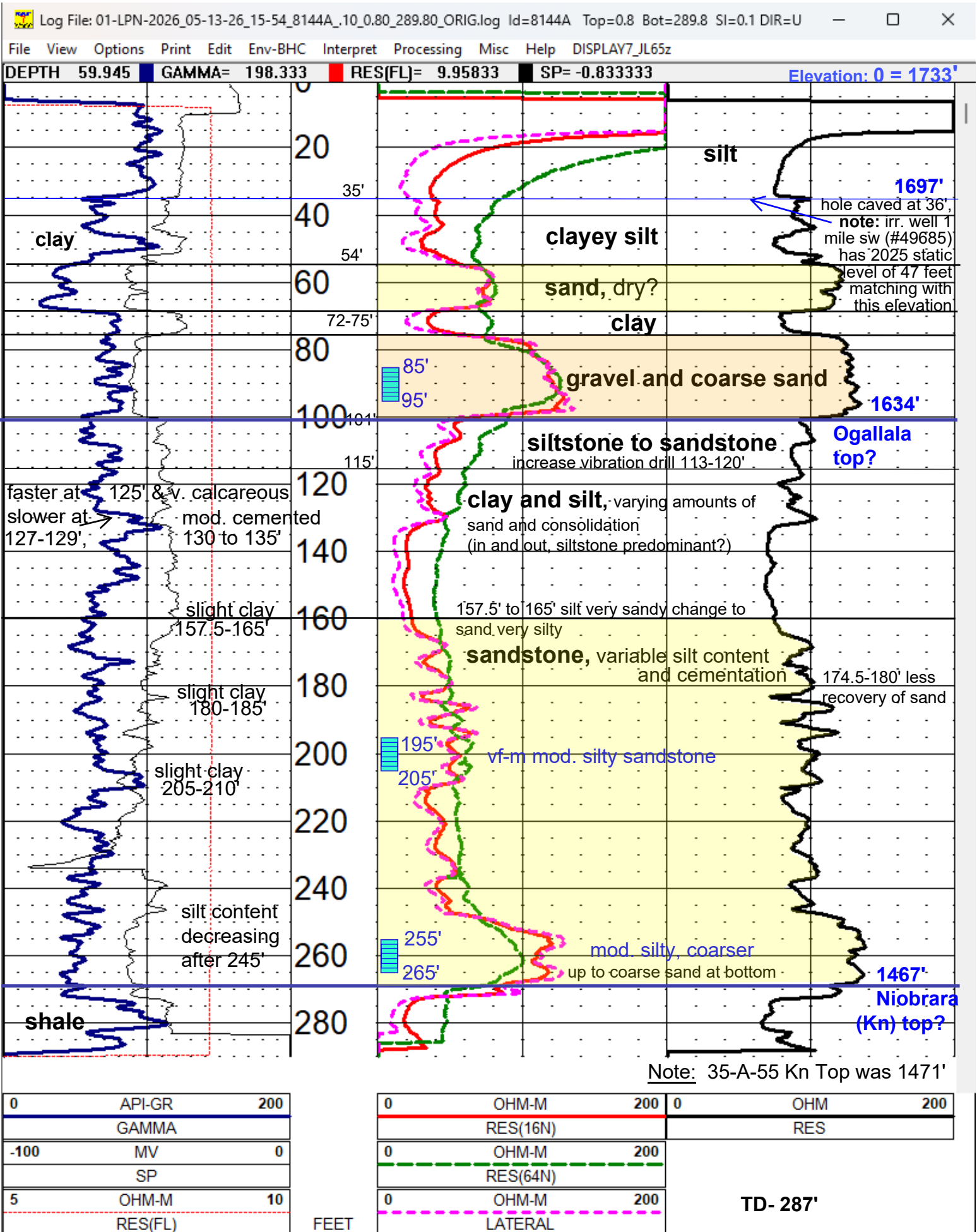
AEM Survey Lines 2006 to 2015

Zoom to

Name	L200101
ID	Line 200101
NRD	LE;LPN
Year	2014_2015
System	SkyTEM508
Survey	ENWRA
Length_mi	21.9

Wells Data

- Domestic
- Irrigation
- Livestock
- Monitoring (Ground Water Quality)
- Observation (Ground Water Levels)



Well Design Basis:

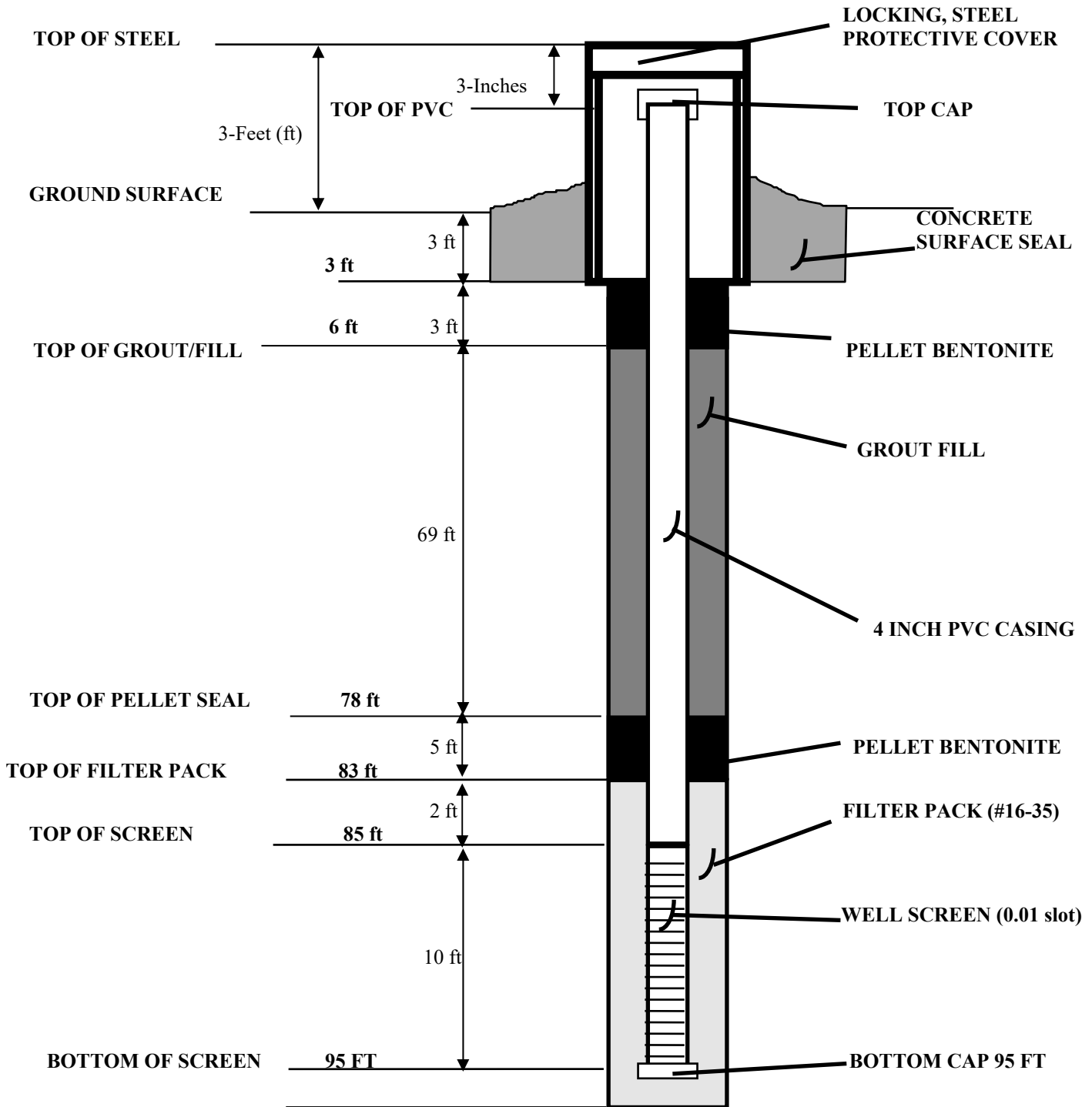
Shallow well - Selected as optimum screen setting for monitoring groundwater in the aquifer unit with the highest yield and Nitrate potential likely representative of shallower domestic and other groundwater use wells in the area (quality and quantity). Target gravel unit **depth about 85 to 95 feet.**

Medial well - Selected as optimum screen setting for monitoring upper portion of Ogallala sand to sandstone likely representative of surrounding domestic and other groundwater usage wells in the area at similar screen elevations (quality). Target first sandstone zone without clay **depth about 195 to 205 feet.**

Deep well - Selected as optimum screen setting for monitoring the coarsest (best production) sandstone unit at the base of the Ogallala likely representative of deeper existing and future wells in the area (quality). Target coarser sandstone zone above the Niobrara: **depth about 255 to 265 feet.**

Shallow Monitoring Well Schematic, for 95-foot Well at Test Hole 01-LPN-2026

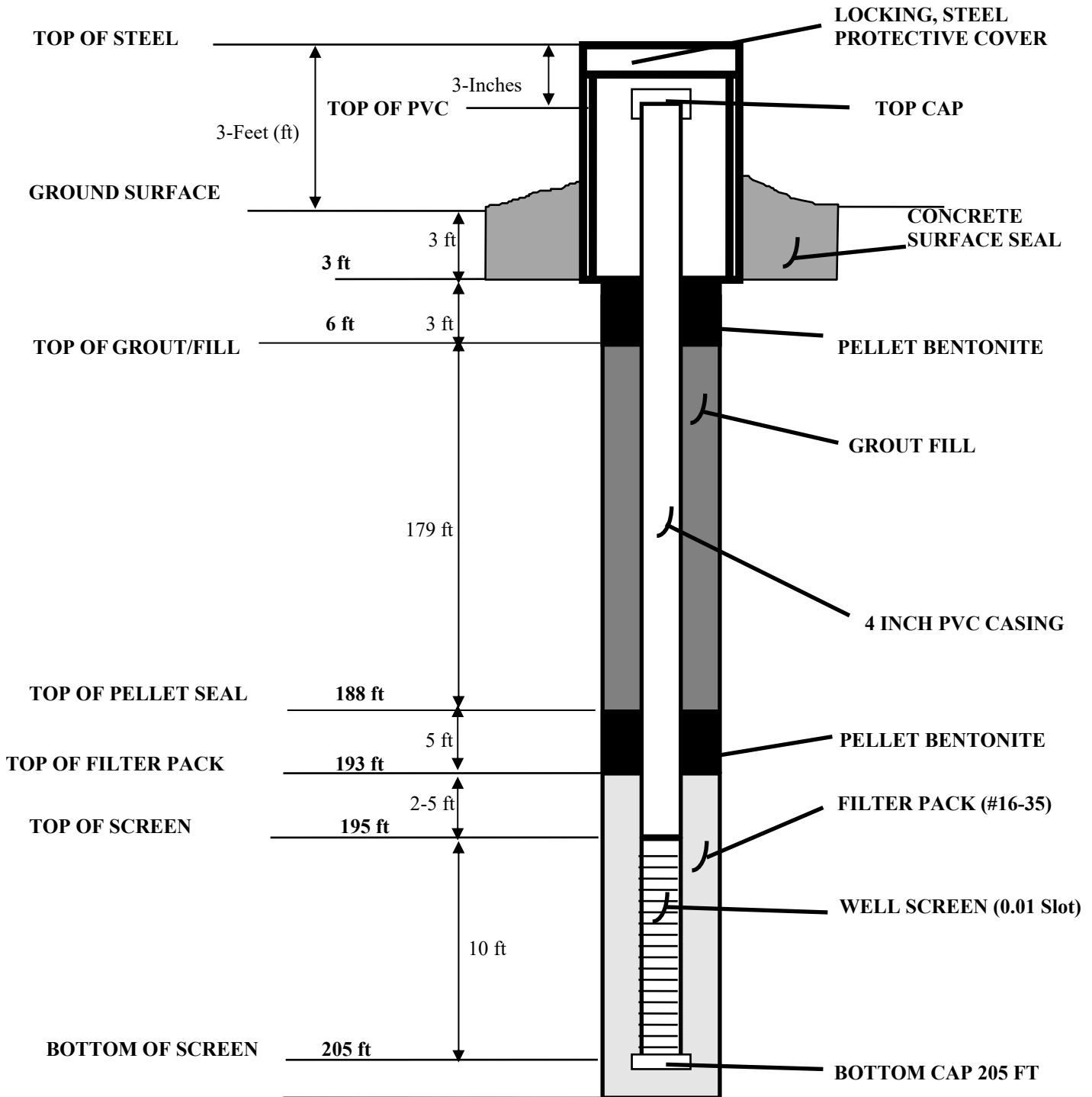
4 INCH CASING WITH 6-8 INCH COVER



SESWNE Section 33, Township 21 North, Range 4 West, Madison County

Medial Monitoring Well Schematic, for 205-foot Well at Test Hole 01-LPN-2026

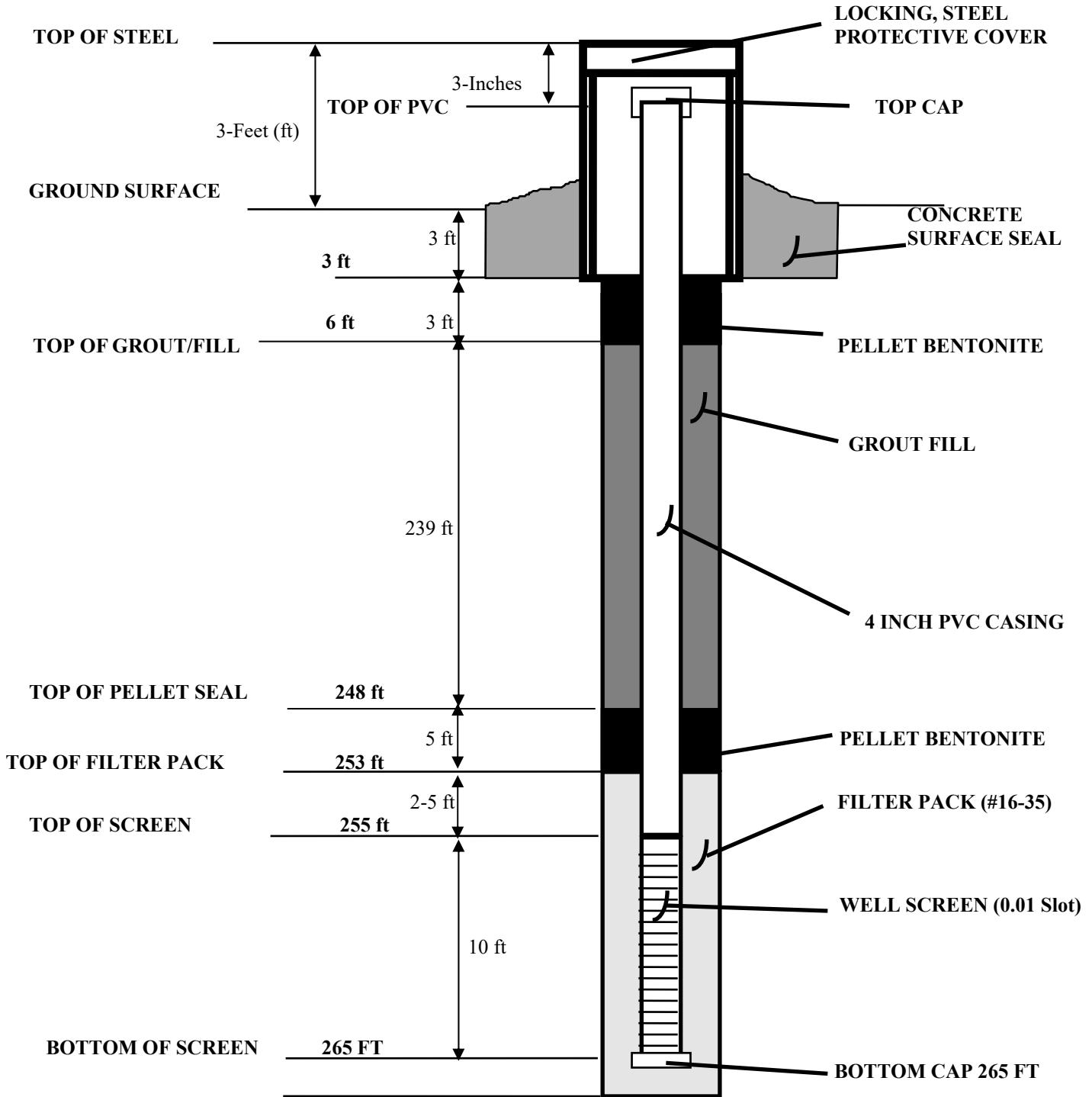
4 INCH CASING WITH 6-8 INCH COVER



SESWNE Section 33, Township 21 North, Range 4 West, Madison County

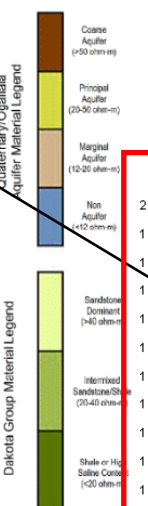
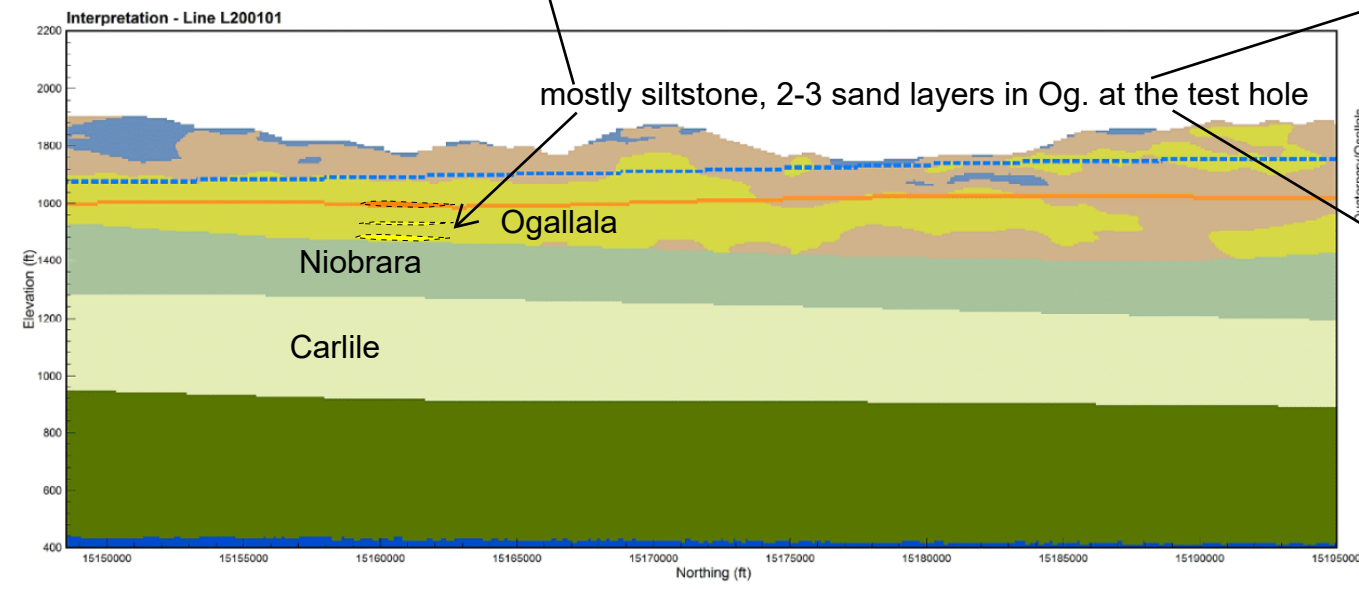
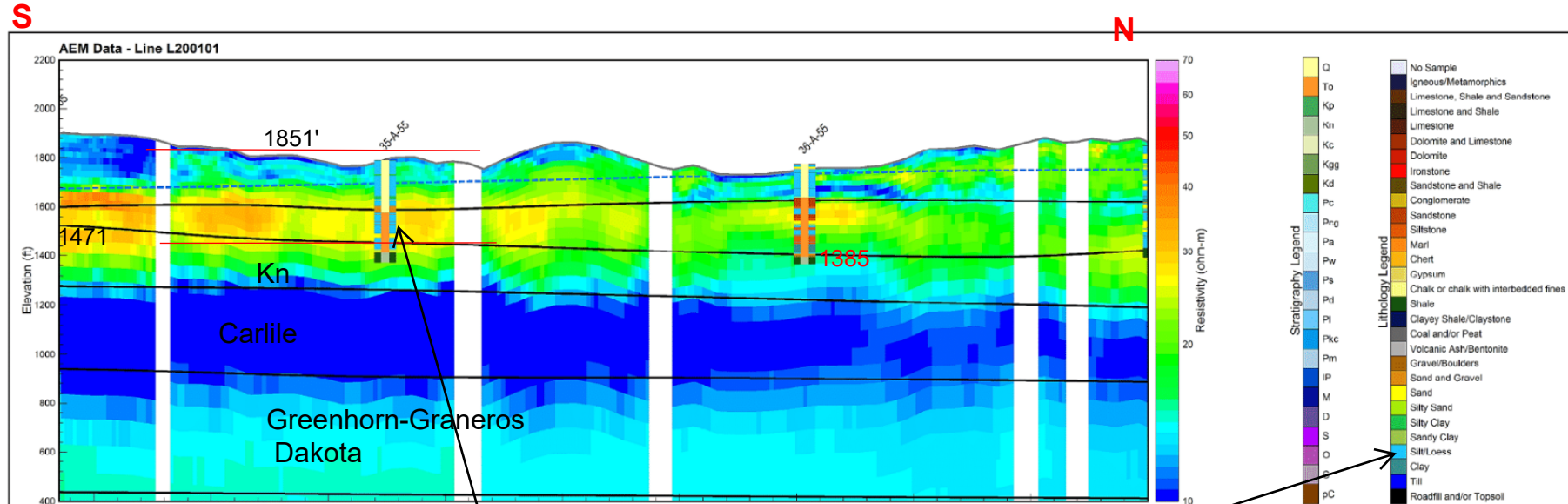
Deep Monitoring Well Schematic, for 265-foot Well at Test Hole 01-LPN-2026

4 INCH CASING WITH 6-8 INCH COVER

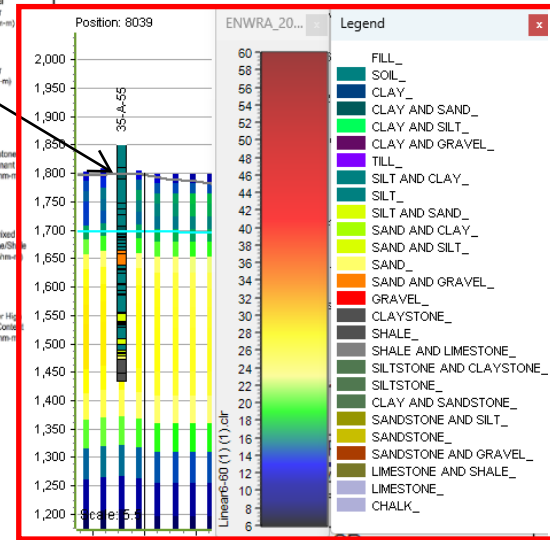


NEAREST AEM Line ~2.6 miles west of 01-LPN-2026 L200101 recon line from 2014 SkyTEM508 system:

(35-A-55 is 1,160 feet west of this AEM Line)



GeoScene3D Data Zoom:



NOTE: scale is off on 35-A-55 borehole plot, 1851' on LiDAR is ground elevation of 35-A-55, 1471' is top of Cretaceous Niobrara. 36-A-55 is displayed ok.

DVORAK WELL, INC.
1260 FOOTHILL RD.
NORTH BEND, NE 68649
PH. (402) 652-8342

for LPN NRD
3rd monitoring well
Newman Grove Nc.

265 FT $\$1/\text{FT}$ $\$95$ = 25,175

4" plain casing $\$20$ x 255 = 5,100

4" .010 screen $\$25$ x 10 = 250

well development $\$3,000$

protective casing & pad $\$3,800$

Total $\$37,325$

6-3-26

[Signature]