

Notice Of Completion Submittal

DATE: June 30, 2025

Project No. 23-099

SUBJECT: **Corning Subbasin, Component 3, Category (C), Task 2: Notice of Completion – M-C Wells**

THE FOLLOWING ITEMS ARE BEING SUBMITTED:

- Site Summary Report with Permits, As-Built drawings, and confirmation of WCR submittal

COMMENTS:

Attached are the site summary reports with permits, as-built drawings, and WCR submittal confirmations for the multi-completion wells installed in the Corning Subbasin. These files summarize all the work and depict the well as installed serving as a notice of construction completion.

CORNING 1

INSTALLATION SUMMARY REPORT NOTICE OF COMPLETION FOR CORNING-1 MONITORING WELL

Prepared for:

Corning Subbasin Groundwater Sustainability Agencies



Prepared by:

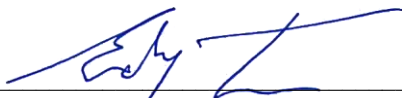


June 30, 2025

INSTALLATION SUMMARY REPORT FOR CORNING-1 MONITORING WELL

June 30, 2025

This report was prepared by the staff of Luhdorff and Scalmanini Consulting Engineers (LSCE) under the supervision of registered professionals.



Eddy Teasdale, PG, CHG
Principal Hydrogeologist



Charlie Jenkins, PG
Senior Geologist

The Corning Subbasin Groundwater Sustainability Agencies gratefully acknowledges the funding contribution from the California Department of Water Resources. Funding for this project has been provided in part from the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018 (Proposition 68) and through an agreement with the State Department of Water Resources.



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INTRODUCTION

The Corning Subbasin Groundwater Sustainability Agencies received grant funding from the California Department of Water Resources to support installation of groundwater monitoring wells important for implementation of the Corning Subbasin Groundwater Sustainability Plan (GSP). Grant funding from the California Department of Water Resources (DWR) Sustainable Groundwater Management (SGM) grant program supported installation of a total of five (5) multi-completion monitoring wells for tracking groundwater levels and quality within the Subbasin.

This report summarizes the drilling and construction of the Corning-1 Monitoring Well site shown on **Figure 1**. The monitoring well is one of five (5) new monitoring wells constructed from 2024 to 2025 within the Corning Subbasin. Water level data collected from the monitoring wells will be used to support ongoing GSP implementation efforts in the Subbasins.

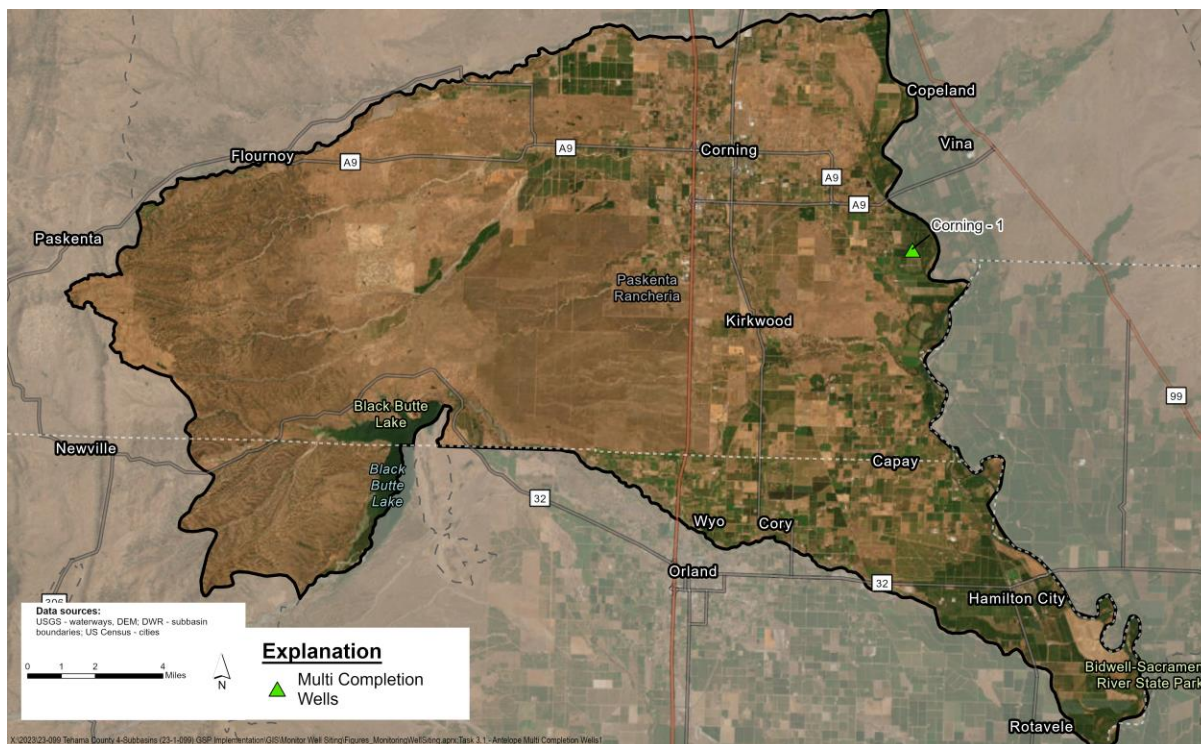


Figure 1. Site Location Map

An assessment of data gaps conducted during the GSP preparation identified several areas for additional monitoring of groundwater levels and quality. These areas were the target for the construction for monitoring wells.

Preliminary test hole investigation depths were developed by Luhdorff and Scalmanini Consulting Engineers (LSCE) based on review of regional hydrogeology, available well completion reports (WCRs), Airborne Electromagnetic Survey (AEM) data, and monitoring objectives. Test hole drilling and monitoring well construction for the Corning-1 monitoring well was conducted by Well Industries Inc. (C-57 License

No. 812678) of Chico, California under the supervision of LSCE. The final monitoring well design was prepared by LSCE based on review of geophysical survey results and lithologic samples collected during test hole drilling.

LOCATION AND MONITORING WELL PERMIT

The Corning-1 monitoring well is located approximately 800 feet west of the intersection of Ohio Avenue and Maine Avenue in Tehama County (**Figure 2**). The monitoring well was constructed on the dirt turnout area on the south side of Ohio Avenue. An encroachment permit was obtained from the County before any work began. Well drilling and construction was conducted under a drilling permit (Permit No. W-13/25) issued by the Tehama County Department of Environmental Health. A copy of the drilling permit is included in **Appendix A**.

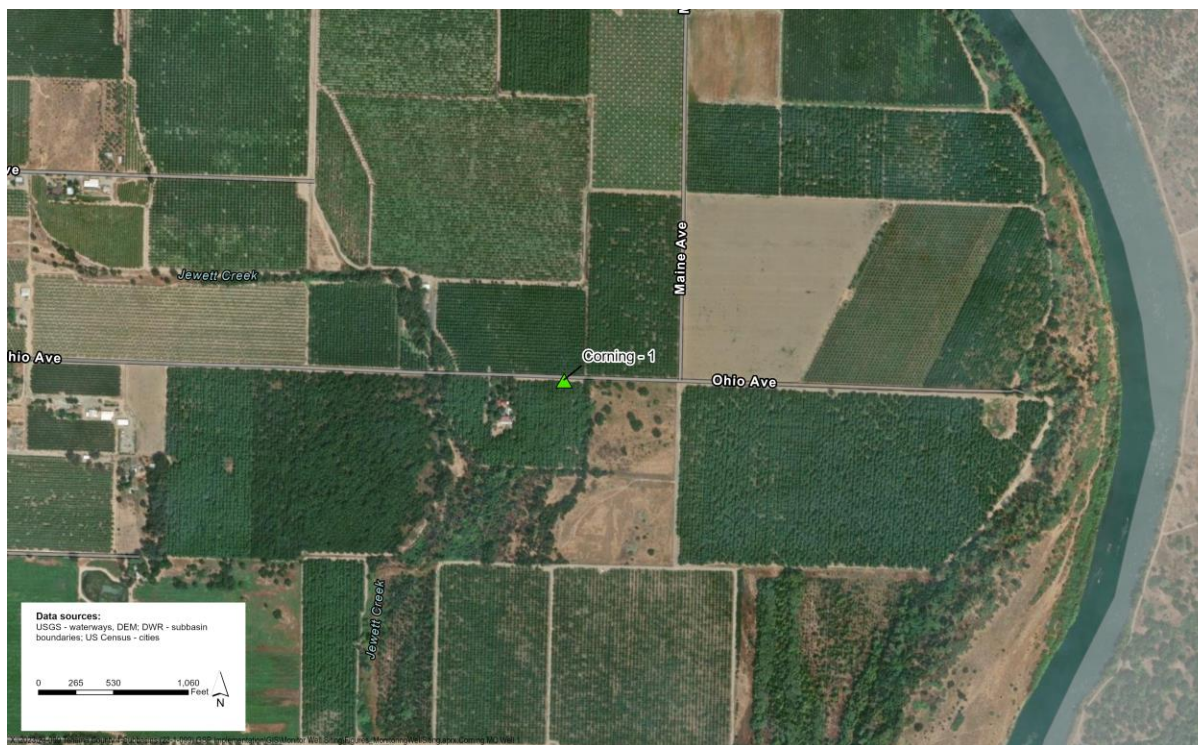


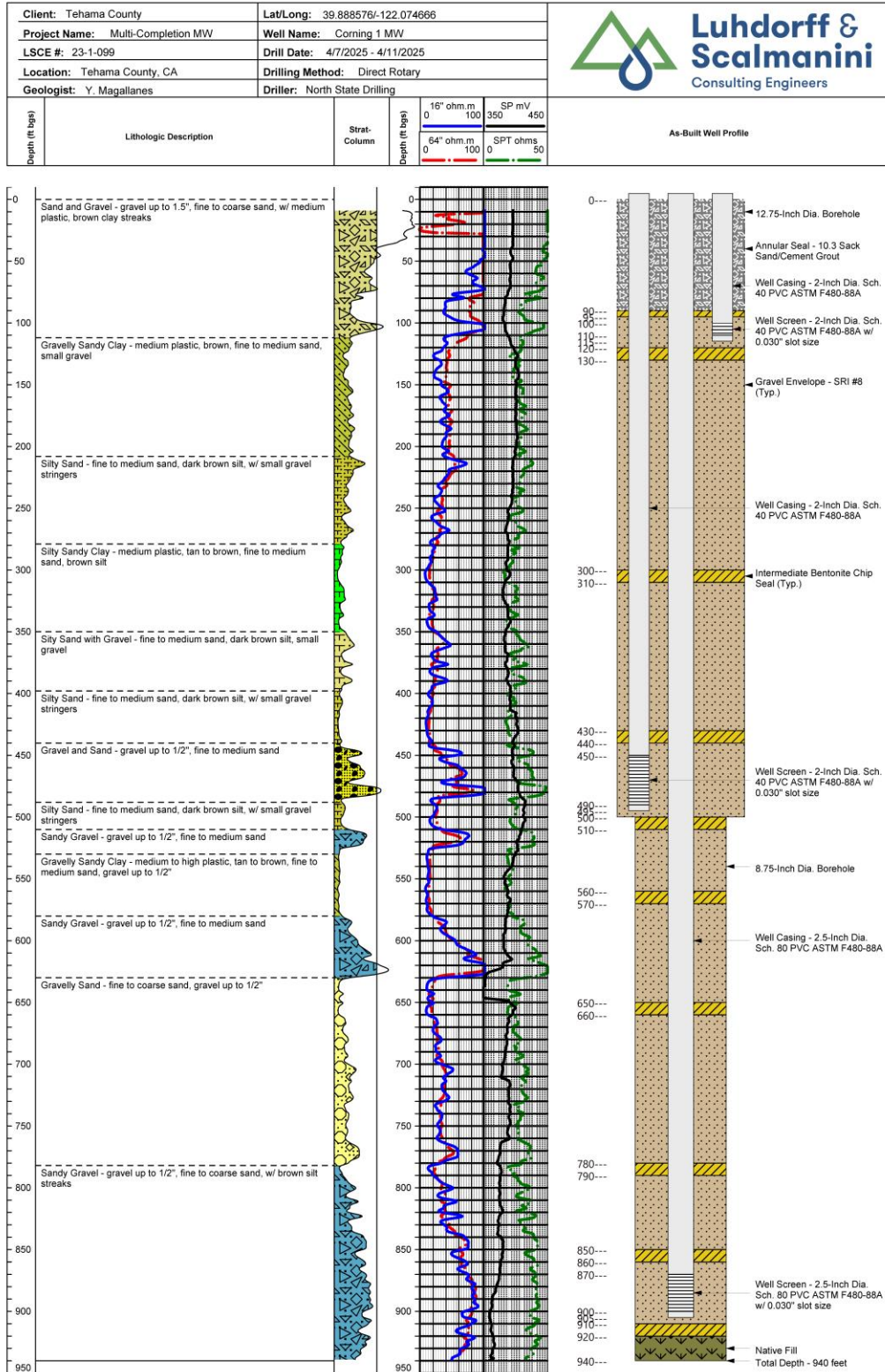
Figure 2. Site Area Map

PRE-DRILLING UNDERGROUND UTILITY CLEARANCE

Before drilling operations commenced, the site was surveyed for underground utilities by Underground Service Alert (USA) of Northern California. No underground utilities were identified at the project site by USA.

DRILLING AND MONITORING WELL INSTALLATION

LSCE recommended a preliminary test hole investigation depth of 940 feet below ground surface (bgs) at the Corning-1 site. The test hole was drilled to a total depth of 940 feet bgs on April 7-8, 2025. The 8.75-inch diameter test hole was drilled using the direct mud rotary drilling method and representative formation samples were collected by Well Industries Inc. at 10-foot intervals. LSCE geologists described the collected samples and prepared the lithologic log included on the as-built well profile sheet (**Figure 3**). Stewart Well Logging of Woodland, CA performed a geophysical survey (e-log) of the test hole on April 8, 2025 (**Figure 3**). The test hole was then reamed to 12.75-inch diameter from ground surface to 500 ft bgs to allow for the construction of a triple-completion monitoring well.



X:\2023\23-099 Tehama County 4-Subbasins (23-1-099) GSP Implementation\Task 3\Task 3.1\DRILLING\Corning 1 MW\Well Design

Figure 3. As Built Monitoring Well Profile

Monitoring well construction took place on April 9-11, 2025. LSCE prepared the well design based on review of the drill cuttings, geophysical survey results, and considering project objectives. The monitoring well was designed with the screens and seals placed at depths to facilitate monitoring of groundwater conditions in three separate depth intervals within the groundwater system. A five-foot sump is installed on the bottom of each well. Well construction details are summarized in **Table 1**.

Table 1. Corning-1 Monitoring Well Construction Details

Site ID	Depth Interval	Casing String (depth in feet)	Casing Material	Screened Interval (depth in feet)	Annular Seal (depth in feet)
Corning-1	Shallow	115	2-Inch Dia. Sch. 40 PVC	100-110	90
	Intermediate	495	2-Inch Dia. Sch. 40 PVC	450-490	
	Deep	905	2.5-Inch Dia. Sch. 80 PVC	870-900	

Gravel envelope and annular seal materials were placed in the borehole in accordance with the final monitoring well design (**Figure 3**). The three piezometers are housed within a traffic-rated flush-mount well vault. Well Completion Reports for the wells have been submitted to DWR and are included in **Appendix B**.

WELL CONSTRUCTION MATERIALS

The monitoring well was constructed of the following materials:

Well Casing – 2-inch diameter ASTM F480-88A, Schedule 40 PVC, and 2.5-inch diameter ASTM F480-88A, Schedule 80 PVC

Well Screen – 2-inch diameter ASTM F480-88A, Schedule 40 PVC, and 2.5-inch diameter ASTM F480-88A, Schedule 80 PVC, 0.030-inch factory cut slots

Gravel Envelope – SRI #8

Intermediate Seal – Bentonite Chips

Annular Seal – 10.3-Sack Sand/Cement Slurry

APPENDICIES

APPENDIX A

Monitoring Well Drilling and Construction Permit



**DEPARTMENT OF ENVIRONMENTAL HEALTH**

633 Washington St., Room 36
Red Bluff, California 96080
527-8020

Application No. W- 13/25

CORNING

MW

APPLICATION TO CONSTRUCT OR DESTROY A WELLApplication for: Public Water Well ☐ Individual Well ☐ Well Destruction ☐ Agricultural Well ☐ Export ☐ Onsite ☐
Monitoring Well ☐ Cathodic Protection Well ☐ Other ☐Type of Construction: New Construction ☐ Repair or Deepen ☐ Replacement ☐Owner's Name: Tehama Co Flood Control Dist Assessor's Parcel No. Near STADN 291 348 839Mailing Address: N/A Phone No.: N/ACity: N/A State: N/A Zip Code: N/AApplicant's Name: WELL INDUSTRIES INC Phone No.: 530 391 5545Site Address: 31 389 1146 - 122 877 5584 Lot No: T.R.S. M24 N82 W34Ohio Ave., Corning**NAME OF WELL DRILLER**North State Drilling / Well Industries Inc**CONTRACTOR'S LICENSE NUMBER**312673**BUSINESS ADDRESS**3292 HWY 32CHICO CA 95973**WORKMEN'S COMPENSATION CERTIFICATE**

I AM AWARE OF THE PROVISION OF SECTION 3700 OF THE CALIFORNIA LABOR CODE WHICH
REQUIRES EVERY EMPLOYER TO BE INSURED AGAINST LIABILITY FOR WORKMEN'S
COMPENSATION.

- NOTE: 1. Provide a minimum twelve (12) hour notice prior to installing or placing annular seal.
2. A satisfactory inspection or waiver by the Health Department and receipt of a Driller's report and a disinfection statement is required for final approval of work.
3. Contact this Department within 7 days of completion of the well.
4. Scaled Plot Plan is to be furnished for all applications, and shall show all septic tanks, leachlines, pits and other contamination hazards within 200 feet.

I hereby state that the information above and on plot plan is correct and true to the best of my knowledge.

I understand that the plot plan must be approved, obtained and be on site BEFORE any construction is begun. I further state, under penalty of perjury, that I am the owner of the property, the owner's authorized representative, or a Licensed Well Drilling Contractor.

I understand approval of the Water Well construction does not indicate whether this property is suitable for an individual sewage disposal system or that an approval to install such a system is granted.

Date: 2/27/25 Signed: [Signature]**THE APPLICANT IS RESPONSIBLE FOR MAINTAINING REQUIRED SETBACKS****- OFFICIAL USE ONLY -**Received by: Gail Benson Date: 2-27-25 Fee Received ☐ Cash ☒ Check ☐ Receipt no. 848960Application Denied By: (See Separate Report)Well Inspection: Annular Seal Sign & Date Waived ☐ Final Sign & Date Waived ☐Surface Pad ☐ Annular Seal: Depth Type & Procedure Well Yield gpm

Drilling fluids and other drilling materials used in connection with this work shall be safely and appropriately handled and disposed of.

Other Conditions:

MONITORING WELL CONSTRUCTION SHALL COMPLY WITH BULLETIN 74-90
CALIFORNIA WELL STANDARDS.

PERMISSION IS HEREBY GRANTED TO Tehama Co. Flood Control Dist (CSD) for the above well work in accordance with
state and County Laws, and conditions as set forth on the approved plot plan.

Additional conditions attached Effective date 2/27/25Expiration date 8/27/25Granted by: [Signature]

APPENDIX B

Water Well Drillers Completion Report



State of California
Well Completion Report
Form DWR 188 Submitted 08/01/2025
WCR2025-007758

Owner's Well Number: CORNING 1 MW

Date Work Began: 03/24/2025

Date Work Ended: 04/13/2025

Local Permit Agency: Tehama County Environmental Health Department

County: Tehama

Secondary Permit Agency:

Permit Number: W-13/25

Permit Date: 02/27/2025

Well Owner (must remain confidential pursuant to Water Code 13752)

Name: TEHAMA CO. FLOOD CONTROL & WATER CONSERVATION DISTRICT GSA

Address: 1509 SCHWAB ST.

City: RED BLUFF State: California Zip: 96080

Planned Use and Activity

Activity: New Production or Monitoring Well

Planned Use: Monitoring

Well Location

Address:

City: Zip:

Latitude: 39 Deg. 53 Min. 17.21965282
Sec. N

Dec. Lat. : 39.88811657

Vertical Datum:

Location Accuracy:

Longitude: -122 Deg. 4 Min. 38.99137942
Sec. W

Dec. Long. : -122.07749761

Horizontal Datum:

Location Determination Method:

APN: 091-340-039

Township: 24N Range: 02W

Section: 34 BM: Mount Diablo

Ground Surface Elevation:

Elevation Accuracy:

Elevation Determination
Method:

Borehole Information

Orientation: Vertical # of casings (Specify): 3

Drilling Method: Direct Rotary Drilling Fluid: Bentonite

Total Depth of Boring: 940 Feet

Total Depth of Completed Well: 905 Feet

Water Level and Yield of Completed Well

Depth to first water: (Feet below surface)

Depth to Static Water Level: (Feet)

Date Measured:

Estimated Yield*: (GPM) Test Type:

Test Length*: (Hours) Total Drawdown: (Feet)

*May not be representative of a well's long term yield.

Geologic Log - Free Form

Depth from Surface (Feet to Feet)		Description
0	110	SAND AND GRAVEL W/ BROWN CLAY STREAKS
110	210	GRAVELLY SANDY CLAY
210	280	SILTY SAND W/ SMALL GRAVEL
280	350	SILTY SANDY CLAY

Depth from Surface (Feet to Feet)		Description
350	400	SILTY SAND W/ SMALL GRAVEL
400	440	SILTY SAND
440	490	GRAVEL AND SAND
490	510	SILTY SAND W/ SMALL GRAVEL STRINGERS
510	530	SANDY GRAVEL
530	580	GRAVELLY SANDY CLAY
580	630	SANDY GRAVEL
630	780	GRAVELLY SAND
780	940	SANDY GRAVEL

Casings										
Casing #	Depth from Surface (Feet to Feet)		Casing Type	Material	Casings Specifications	Wall Thickness (inches)	Outside Diameter (inches)	Screen Type	Slot Size if any (inches)	Description
1	0	100	Blank	PVC	Other	0.17	2			
1	100	110	Screen	PVC	Other	0.17	2	Milled Slots	0.03	
1	110	115	Blank	PVC	Other	0.17	2			W/ BULLNOSE
2	0	450	Blank	PVC	Other	0.29	2.5			
2	450	490	Screen	PVC	Other	0.29	2.5	Milled Slots	0.03	
2	490	495	Blank	PVC	Other	0.29	2.5			W/ BULLNOSE
3	0	870	Blank	PVC	Other	0.29	2.5			
3	870	900	Screen	PVC	Other	0.29	2.5	Milled Slots	0.03	
3	900	905	Blank	PVC	Other	0.29	2.5			W/ BULLNOSE

Annular Material					
Depth from Surface (Feet to Feet)		Fill	Fill Type Details	Filter Pack Size	Description
0	90	Cement	10.3 Sack Mix		
90	95	Bentonite	Other Bentonite		CHIPS
95	120	Filter Pack	8 x 12		
120	130	Bentonite	Other Bentonite		CHIPS
130	300	Filter Pack	8 x 12		
300	310	Bentonite	Other Bentonite		CHIPS
310	430	Filter Pack	8 x 12		
430	440	Bentonite	Other Bentonite		CHIPS

Depth from Surface (Feet to Feet)		Fill	Fill Type Details	Filter Pack Size	Description
440	500	Filter Pack	8 x 12		
500	510	Bentonite	Other Bentonite		CHIPS
510	560	Filter Pack	8 x 12		
560	570	Bentonite	Other Bentonite		CHIPS
570	650	Filter Pack	8 x 12		
650	660	Bentonite	Other Bentonite		CHIPS
660	780	Filter Pack	8 x 12		
780	790	Bentonite	Other Bentonite		CHIPS
790	850	Filter Pack	8 x 12		
850	860	Bentonite	Other Bentonite		CHIPS
860	910	Filter Pack	8 x 12		
910	920	Bentonite	Other Bentonite		CHIPS

Other Observations:

Borehole Specifications		
Depth from Surface (Feet to Feet)		Borehole Diameter (inches)
0	500	12.75
500	940	8.75

Certification Statement			
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.			
Name:	<u>WELL INDUSTRIES INC</u>		
	Person, Firm or Corporation		
<u>3282 HIGHWAY 32</u>	<u>CHICO</u>	<u>California</u>	<u>95973</u>
Address	City	State	Zip
Signed:	<u>electronic signature received</u>	<u>08/01/2025</u>	<u>812678</u>
	C-57 Licensed Water Well Contractor	Date Signed	License Number

DWR Use Only												
CSG #		State Well Number			Site Code		Local Well Number					
				N				W				
Latitude Deg/Min/Sec					Longitude Deg/Min/Sec							
TRS:												
APN:												

Attachments
No Attachments

CORNING 2

INSTALLATION SUMMARY REPORT NOTICE OF COMPLETION FOR CORNING-2 MONITORING WELL

Prepared for:

Corning Subbasin Groundwater Sustainability Agencies



Prepared by:

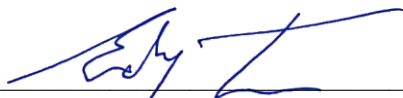


June 30, 2025

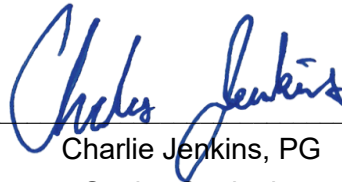
INSTALLATION SUMMARY REPORT FOR CORNING-2 MONITORING WELL

June 30, 2025

This report was prepared by the staff of Luhdorff and Scalmanini Consulting Engineers (LSCE) under the supervision of registered professionals.



Eddy Teasdale, PG, CHG
Principal Hydrogeologist



Charlie Jenkins, PG
Senior Geologist

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Figure 2 – Site Area Map
Figure 3 – As-Built Monitoring Well Profile

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Appendix B – Water Well Drillers Completion Report

INTRODUCTION

The Corning Subbasin Groundwater Sustainability Agencies received grant funding from the California Department of Water Resources to support installation of groundwater monitoring wells important for implementation of the Corning Subbasin Groundwater Sustainability Plan (GSP). Grant funding from the California Department of Water Resources (DWR) Sustainable Groundwater Management (SGM) grant program supported installation of a total of five (5) multi-completion monitoring wells for tracking groundwater levels and quality within the Subbasin.

This report summarizes the drilling and construction of the Corning-2 Monitoring Well site shown on **Figure 1**. The monitoring well is one of five (5) new monitoring wells constructed from 2024 to 2025 within the Corning Subbasin. Water level data collected from the monitoring wells will be used to support ongoing GSP implementation efforts in the Subbasins.

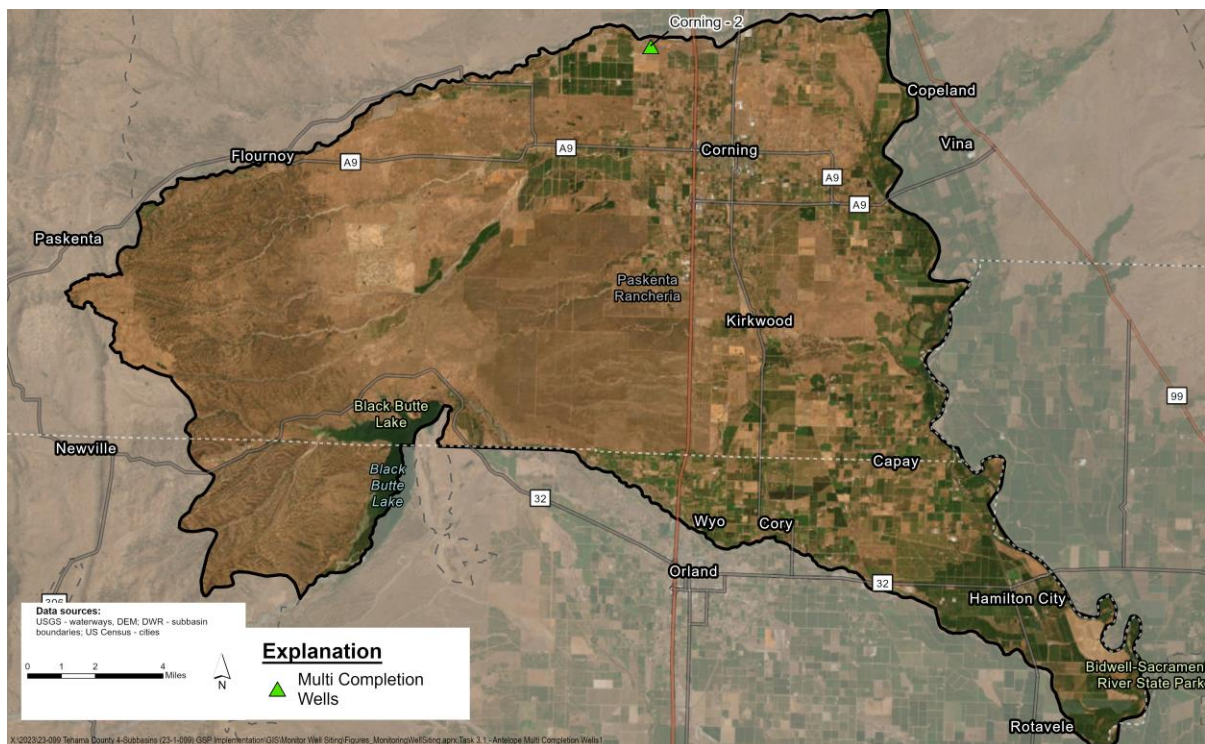


Figure 1. Site Location Map

An assessment of data gaps conducted during the GSP preparation identified several areas for additional monitoring of groundwater levels and quality. These areas were the target for the construction for monitoring wells.

Preliminary test hole investigation depths were developed by Luhdorff and Scalmanini Consulting Engineers (LSCE) based on review of regional hydrogeology, available well completion reports (WCRs), Airborne Electromagnetic Survey (AEM) data, and monitoring objectives. Test hole drilling and monitoring well construction for the Corning-2 monitoring well was conducted by Well Industries Inc. (C-57 License

No. 812678) of Chico, California under the supervision of LSCE. The final monitoring well design was prepared by LSCE based on review of geophysical survey results and lithologic samples collected during test hole drilling.

LOCATION AND MONITORING WELL PERMIT

The Corning-2 monitoring well is located near the intersection of Davis Road and Rawson Road in Tehama County (**Figure 2**). The monitoring well was constructed about 225 ft north of the intersection in the dirt turnout area on the west side of Rawson Road. An encroachment permit was obtained from the County before any work began. Well drilling and construction was conducted under a drilling permit (Permit No. W-71/24) issued by the Tehama County Department of Environmental Health. A copy of the drilling permit is included in **Appendix A**.



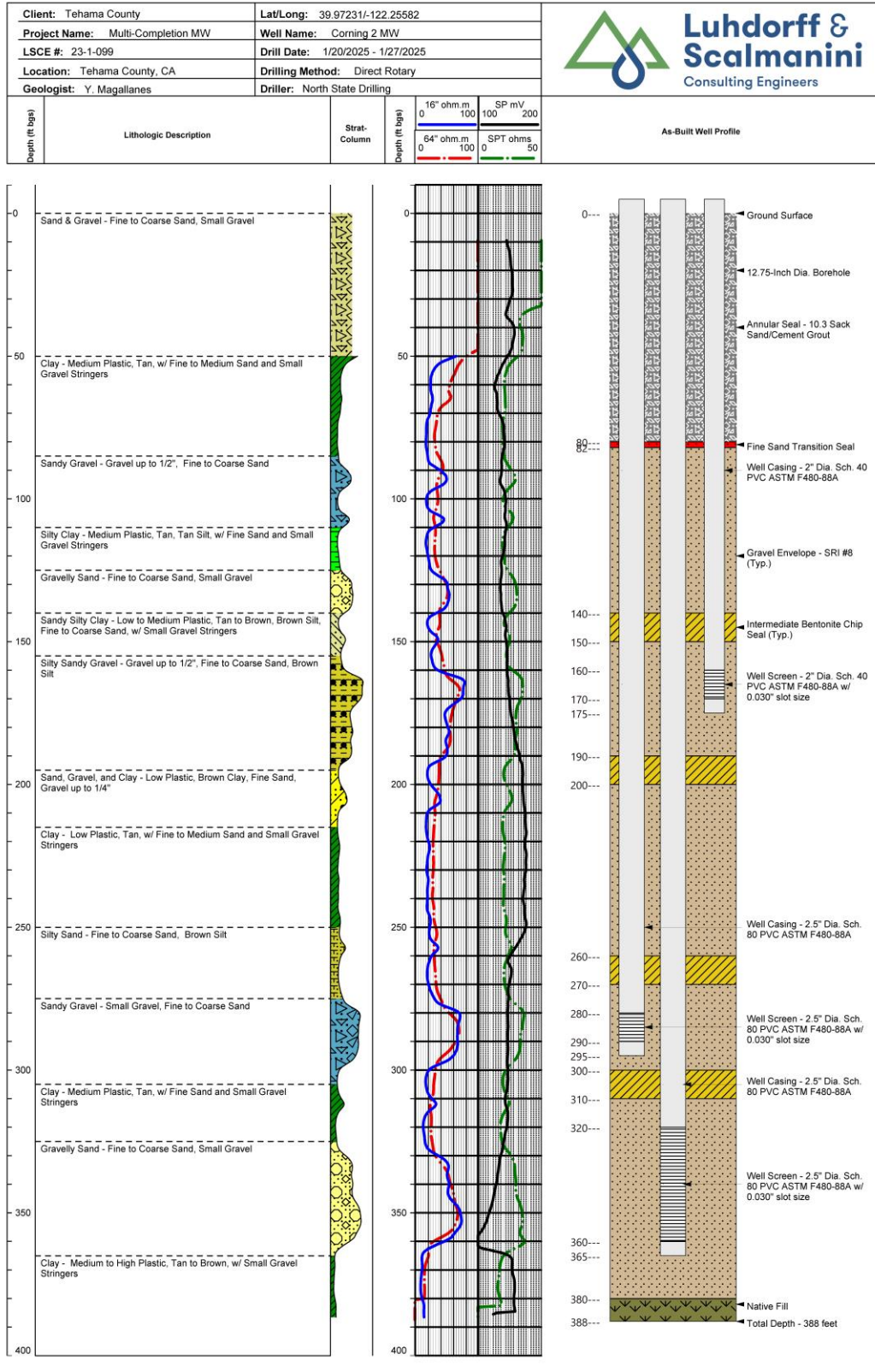
Figure 2. Site Area Map

PRE-DRILLING UNDERGROUND UTILITY CLEARANCE

Before drilling operations commenced, the site was surveyed for underground utilities by Underground Service Alert (USA) of Northern California. No underground utilities were identified at the project site by USA.

DRILLING AND MONITORING WELL INSTALLATION

LSCE recommended a preliminary test hole investigation depth of 388 feet below ground surface (bgs) at the Corning-2 site. The test hole was drilled to a total depth of 388 feet bgs on January 20-21, 2025. The 8.75-inch diameter test hole was drilled using the direct mud rotary drilling method and representative formation samples were collected by Well Industries Inc. at 10-foot intervals. LSCE geologists described the collected samples and prepared the lithologic log included on the as-built well profile sheet (**Figure 3**). Stewart Well Logging of Woodland, CA performed a geophysical survey (e-log) of the test hole on January 21, 2025 (**Figure 3**). The test hole was then reamed to 12.75-inch diameter to allow for the construction of a triple-completion monitoring well.



X:\2023\23-099 Tehama County 4-Subbasins (23-1-099) GSP Implementation\Task 3\Task 3.1\DRILLING\Corning 2 MW\Well Design

Figure 3. As Built Monitoring Well Profile

Monitoring well construction took place between January 22-27, 2025. LSCE prepared the well design based on review of the drill cuttings, geophysical survey results, and considering project objectives. The monitoring well was designed with the screens and seals placed at depths to facilitate monitoring of groundwater conditions in three separate depth intervals within the groundwater system. A five-foot sump is installed on the bottom of each well. Well construction details are summarized in **Table 1**.

Table 1. Corning-2 Monitoring Well Construction Details

Site ID	Depth Interval	Casing String (depth in feet)	Casing Material	Screened Interval (depth in feet)	Annular Seal (depth in feet)
Corning-2	Shallow	175	2-Inch Dia. Sch. 40 PVC	160-170	80
	Intermediate	295	2.5-Inch Dia. Sch. 80 PVC	280-290	
	Deep	365	2.5-Inch Dia. Sch. 80 PVC	320-360	

Gravel envelope and annular seal materials were placed in the borehole in accordance with the final monitoring well design (**Figure 3**). The three piezometers are housed within a traffic-rated flush-mount well vault. Well Completion Reports for the wells have been submitted to DWR and are included in **Appendix B**.

WELL CONSTRUCTION MATERIALS

The monitoring well was constructed of the following materials:

Well Casing – 2-inch diameter ASTM F480-88A, Schedule 40 PVC, and 2.5-inch diameter ASTM F480-88A, Schedule 80 PVC

Well Screen – 2-inch diameter ASTM F480-88A, Schedule 40 PVC, and 2.5-inch diameter ASTM F480-88A, Schedule 80 PVC, 0.030-inch factory cut slots

Gravel Envelope – SRI #8

Intermediate Seal – Bentonite Chips

Annular Seal – 10.3-Sack Sand/Cement Slurry

APPENDICIES

APPENDIX A

Monitoring Well Drilling and Construction Permit





DEPARTMENT OF ENVIRONMENTAL HEALTH

633 Washington St., Room 36
Red Bluff, California 96080
527-8020

Application No. W- 71/24

CORNING 2

APPLICATION TO CONSTRUCT OR DESTROY A WELL

Application for: Public Water Well ☐ Individual Well ☐ Well Destruction ☐ Agricultural Well ☐ Export ☐ Onsite ☐
Monitoring Well ☒ Cathodic Protection Well ☐ Other ☐
Type of Construction: New Construction ☒ Repair or Deepen ☐ Replacement ☐
Owner's Name: Public Right of Way Water Conservation Assessor's Parcel No. N/A NEAREST APN: 067-030-049-000
Mailing Address: N/A Phone No.: N/A
City: N/A State: N/A Zip Code: N/A
Applicant's Name: WELL INDUSTRIES INC. Phone No.: 530-391-5545
Site Address: 39 97212323 - 122-22569925 Lot No: T25N R03W - 32
RAWSON ROAD

NAME OF WELL DRILLER <u>NORTH STATE Drilling / WELL INDUSTRIES INC.</u>	CONTRACTOR'S LICENSE NUMBER <u>312673</u>
BUSINESS ADDRESS <u>3282 HWY 32</u> <u>CHICO CA 95973</u>	

WORKMEN'S COMPENSATION CERTIFICATE

I AM AWARE OF THE PROVISION OF SECTION 3700 OF THE CALIFORNIA LABOR CODE WHICH
REQUIRES EVERY EMPLOYER TO BE INSURED AGAINST LIABILITY FOR WORKMEN'S
COMPENSATION.

- NOTE: 1. Provide a minimum twelve (12) hour notice prior to installing or placing annular seal.
2. A satisfactory inspection or waiver by the Health Department and receipt of a Driller's report and a disinfection statement is required for final approval of work.
3. Contact this Department within 7 days of completion of the well.
4. Scaled Plot Plan is to be furnished for all applications, and shall show all septic tanks, leachlines, pits and other contamination hazards within 200 feet.

I hereby state that the information above and on plot plan is correct and true to the best of my knowledge.

I understand that the plot plan must be approved, obtained and be on site BEFORE any construction is begun. I further state, under penalty of perjury, that I am the owner of the property, the owner's authorized representative, or a Licensed Well Drilling Contractor.

I understand approval of the Water Well construction does not indicate whether this property is suitable for an individual sewage disposal system or that an approval to install such a system is granted.

Date: 8/19/2024 Signed: [Signature]

THE APPLICANT IS RESPONSIBLE FOR MAINTAINING REQUIRED SETBACKS

- OFFICIAL USE ONLY - VISA

Received by: Lori Mueller Date: 8-20-24 Fee Received ☒ Cash ☐ Check ☐ Receipt no. 848595

Application Denied By: _____ (See Separate Report)

Well Inspection: Annular Seal _____ Waived ☐ Final _____ Waived ☐
Sign & Date Sign & Date

Surface Pad ☐ Annular Seal: _____ Well Yield _____ gpm
Depth Type & Procedure

Drilling fluids and other drilling materials used in connection with this work shall be safely and appropriately handled and disposed of.

Other Conditions: MONITORING WELL CONSTRUCTION SHALL COMPLY WITH BULLETIN 74-90 CALIFORNIA WELL STANDARDS.

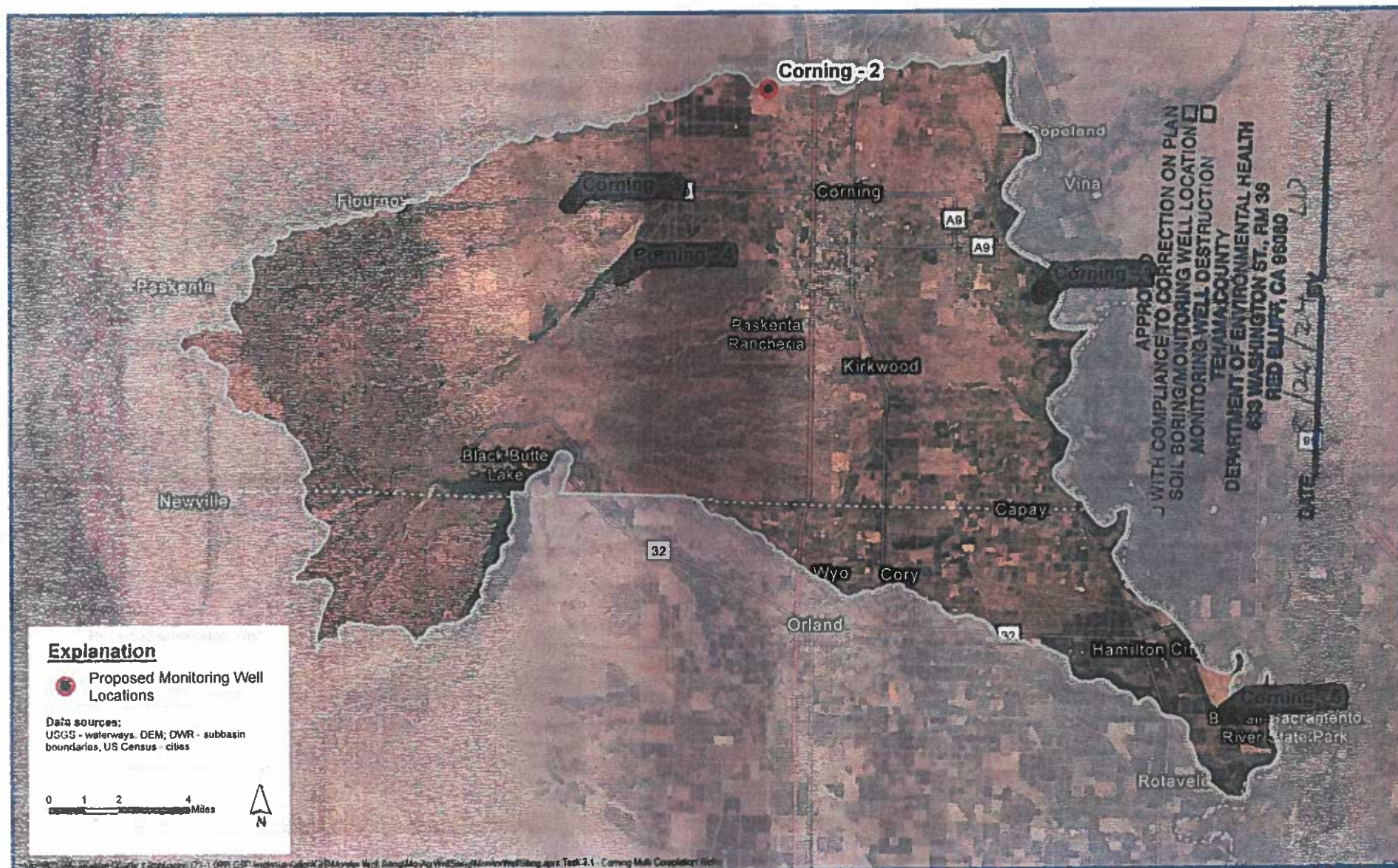
PERMISSION IS HEREBY GRANTED TO Well Industries, Inc. for the above well work in accordance with
all State and County Laws, and conditions as set forth on the approved plot plan.

Additional conditions attached _____

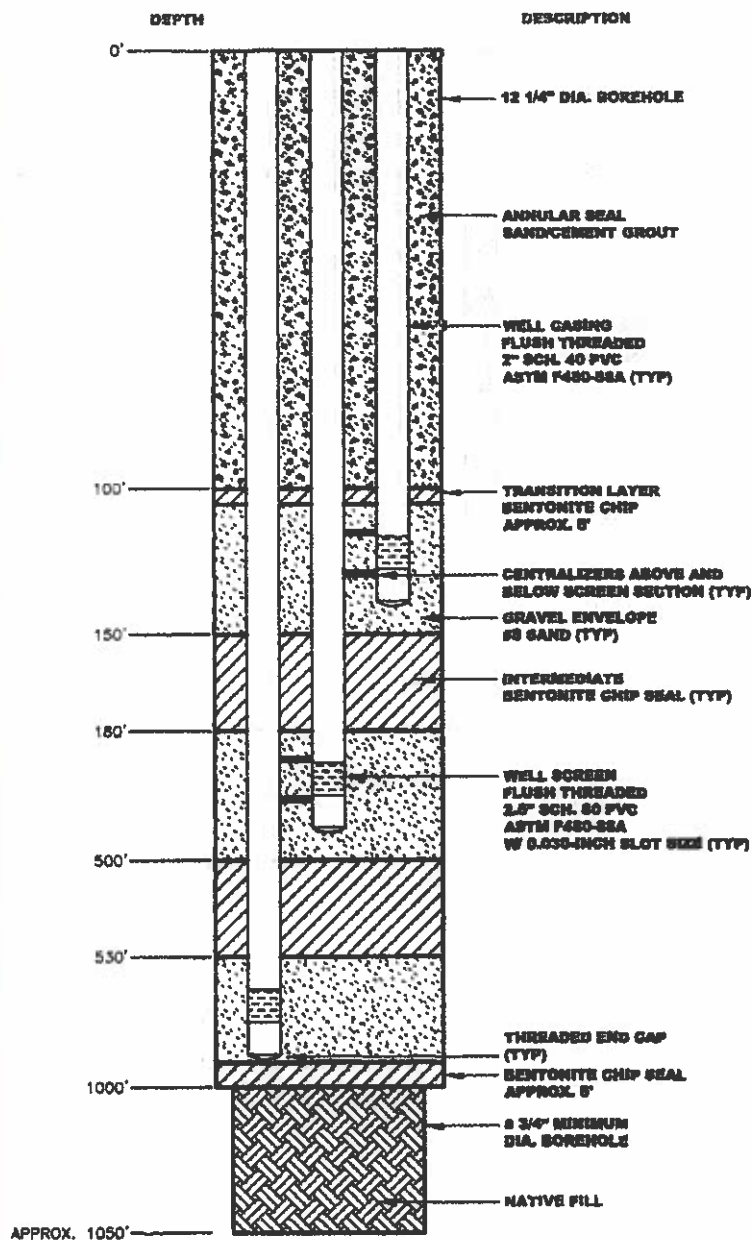
Effective date 8/26/24

Expiration date 2/26/25

Granted by: [Signature]







NOTE: DRAWING IS NOT TO SCALE

CAD FILE: E:\LS Acad\Dropbox\Projects\Wellheads Water\23-1-099\Figure 8.dwg DATE: 4/25/2024 12:18 PM



**Luhdorff &
Scalmanini**
Consulting Engineers

Conceptual Monitoring Well Profile

Corning Subbasin/
Tehama County Flood Control and Water Conservation District, Corning Subbasin
Groundwater Sustainability Agency

Figure 9

APPENDIX B

Water Well Drillers Completion Report



State of California
Well Completion Report
Form DWR 188 Submitted 08/01/2025
WCR2025-007767

Owner's Well Number: CORNING 2 MW

Date Work Began: 01/13/2025

Date Work Ended: 01/27/2025

Local Permit Agency: Tehama County Environmental Health Department

County: Tehama

Secondary Permit Agency:

Permit Number: W-71/24

Permit Date: 08/26/2024

Well Owner (must remain confidential pursuant to Water Code 13752)

Name: TEHAMA CO. FLOOD CONTROL & WATER CONSERVATION DISTRICT GSA

Address: 1509 SCHWAB ST.

City: RED BLUFF State: California Zip: 96080

Planned Use and Activity

Activity: New Production or Monitoring Well

Planned Use: Monitoring

Well Location

Address:

City: Zip:

Latitude: 39 Deg. 58 Min. 19.58024399
Sec. N

Longitude: -122 Deg. 13 Min. 32.62897829
Sec. W

Dec. Lat. : 39.97210562

Dec. Long. : -122.22573027

Vertical Datum:

Horizontal Datum:

Location Accuracy:

Location Determination Method:

APN: 067-080-049-000

Township: 25N Range: 03W

Section: 32 BM: Mount Diablo

Ground Surface Elevation:

Elevation Accuracy:

Elevation Determination
Method:

Borehole Information

Orientation: Vertical # of casings (Specify): 3

Drilling Method: Direct Rotary Drilling Fluid: Bentonite

Total Depth of Boring: 388 Feet

Total Depth of Completed Well: 365 Feet

Water Level and Yield of Completed Well

Depth to first water: (Feet below surface)

Depth to Static Water Level: (Feet)

Date Measured:

Estimated Yield*: (GPM) Test Type:

Test Length*: (Hours) Total Drawdown: (Feet)

*May not be representative of a well's long term yield.

Geologic Log - Free Form

Depth from Surface (Feet to Feet)		Description
0	50	SAND AND GRAVEL
50	85	CLAY
85	110	SANDY GRAVEL
110	125	SILTY CLAY

Depth from Surface (Feet to Feet)		Description
125	140	GRAVELLY SAND
140	155	SANDY SILTY CLAY
155	195	SILTY SANDY GRAVEL
195	215	SAND, GRAVEL AND CLAY
215	250	CLAY
250	275	SILTY SAND
275	305	SANDY GRAVEL
305	325	CLAY
325	365	GRAVELLY SAND
365	388	CLAY

Casings										
Casing #	Depth from Surface (Feet to Feet)		Casing Type	Material	Casings Specifications	Wall Thickness (inches)	Outside Diameter (inches)	Screen Type	Slot Size if any (inches)	Description
1	0	160	Blank	PVC	Other	0.17	2			
1	160	170	Screen	PVC	Other	0.17	2	Milled Slots	0.03	
1	170	175	Blank	PVC	Other	0.17	2			W/ BULLNOSE
2	0	280	Blank	PVC	Other	0.29	2.5			
2	280	290	Screen	PVC	Other	0.29	2.5	Milled Slots	0.03	
2	290	295	Blank	PVC	Other	0.29	2.5	Milled Slots		W/ BULLNOSE
3	0	320	Blank	PVC	Other	0.29	2.5			
3	320	360	Screen	PVC	Other	0.29	2.5	Milled Slots	0.03	
3	360	365	Blank	PVC	Other	0.29	2.5			W/ BULLNOSE

Annular Material					
Depth from Surface (Feet to Feet)		Fill	Fill Type Details	Filter Pack Size	Description
0	80	Cement	10.3 Sack Mix		
80	82	Other Fill	See description		FINE SAND
82	140	Filter Pack	8 x 12		
140	150	Bentonite	Other Bentonite		CHIPS
150	190	Filter Pack	8 x 12		
190	200	Bentonite	Other Bentonite		CHIPS
200	260	Filter Pack	8 x 12		

Depth from Surface (Feet to Feet)		Fill	Fill Type Details	Filter Pack Size	Description
260	270	Bentonite	Other Bentonite		CHIPS
270	300	Filter Pack	8 x 12		
300	310	Bentonite	Other Bentonite		CHIPS
310	380	Filter Pack	8 x 12		
380	388	Other Fill	See description		NATIVE FILL

Other Observations:

Borehole Specifications		
Depth from Surface (Feet to Feet)		Borehole Diameter (inches)
0	388	12.25

Certification Statement			
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.			
Name:	<u>WELL INDUSTRIES INC</u>		
	Person, Firm or Corporation		
<u>3282 HIGHWAY 32</u>	<u>CHICO</u>	<u>California</u>	<u>95973</u>
Address	City	State	Zip
Signed:	<u>electronic signature received</u>	<u>08/01/2025</u>	<u>812678</u>
	C-57 Licensed Water Well Contractor	Date Signed	License Number

DWR Use Only											
CSG #		State Well Number				Site Code		Local Well Number			
					N						W
Latitude Deg/Min/Sec						Longitude Deg/Min/Sec					
TRS: APN:											

Attachments
No Attachments

CORNING 3

INSTALLATION SUMMARY REPORT NOTICE OF COMPLETION FOR CORNING-3 MONITORING WELL

Prepared for:

Corning Subbasin Groundwater Sustainability Agencies



Prepared by:



June 30, 2025

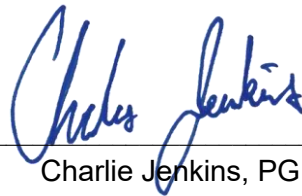
INSTALLATION SUMMARY REPORT FOR CORNING-3 MONITORING WELL

June 30, 2025

This report was prepared by the staff of Luhdorff and Scalmanini Consulting Engineers (LSCE) under the supervision of registered professionals.



Eddy Teasdale, PG, CHG
Principal Hydrogeologist



Charlie Jenkins, PG
Senior Geologist

The Corning Subbasin Groundwater Sustainability Agencies gratefully acknowledges the funding contribution from the California Department of Water Resources. Funding for this project has been provided in part from the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018 (Proposition 68) and through an agreement with the State Department of Water Resources.



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Figure 2 – Site Area Map
Figure 3 – As-Built Monitoring Well Profile

APPENDICES

Appendix A – Monitoring Well Drilling and Construction Permit
Appendix B – Water Well Drillers Completion Report

INTRODUCTION

The Corning Subbasin Groundwater Sustainability Agencies received grant funding from the California Department of Water Resources to support installation of groundwater monitoring wells important for implementation of the Corning Subbasin Groundwater Sustainability Plan (GSP). Grant funding from the California Department of Water Resources (DWR) Sustainable Groundwater Management (SGM) grant program supported installation of a total of five (5) multi-completion monitoring wells for tracking groundwater levels and quality within the Subbasin.

This report summarizes the drilling and construction of the Corning-3 Monitoring Well site shown in **Figure 1**. The monitoring well is one of five (5) new monitoring wells constructed from 2024 to 2025 within the Corning Subbasin. Water level data collected from the monitoring wells will be used to support ongoing GSP implementation efforts in the Subbasins.

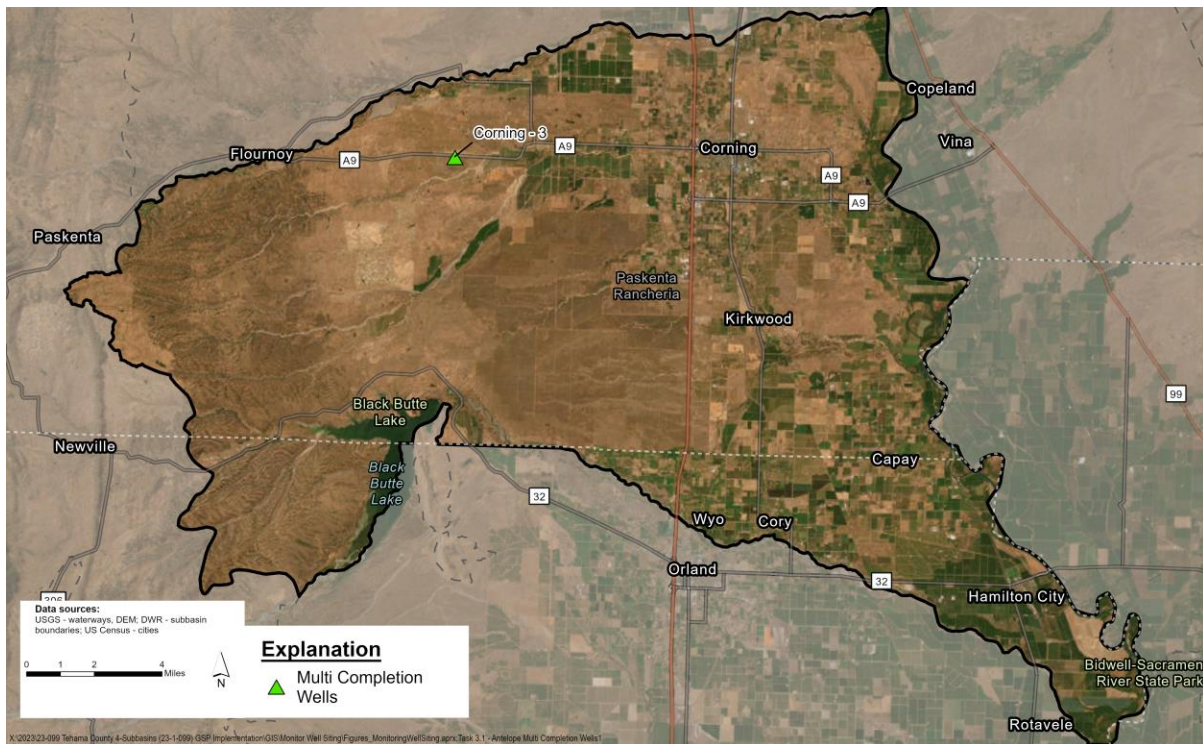


Figure 1. Site Location Map

An assessment of data gaps conducted during the GSP preparation identified several areas for additional monitoring of groundwater levels and quality. These areas were the target for the construction for monitoring wells.

Preliminary test hole investigation depths were developed by Luhdorff and Scalmanini Consulting Engineers (LSCE) based on review of regional hydrogeology, available well completion reports (WCRs), Airborne Electromagnetic Survey (AEM) data, and monitoring objectives. Test hole drilling and monitoring well construction for the Corning-3 monitoring well was conducted by Well Industries Inc. (C-57 License

No. 812678) of Chico, California under the supervision of LSCE. The final monitoring well design was prepared by LSCE based on review of geophysical survey results and lithologic samples collected during test hole drilling.

LOCATION AND MONITORING WELL PERMIT

The Corning-3 monitoring well is located approximately 1.1 miles east of the intersection of Corning Road and Butte Mountain Road in Tehama County (**Figure 2**). The monitoring well was constructed on the dirt turnout area on the south side of Corning Road. An encroachment permit was obtained from the County before any work began. Well drilling and construction was conducted under a drilling permit (Permit No. W-72/24) issued by the Tehama County Department of Environmental Health. A copy of the drilling permit is included in **Appendix A**.



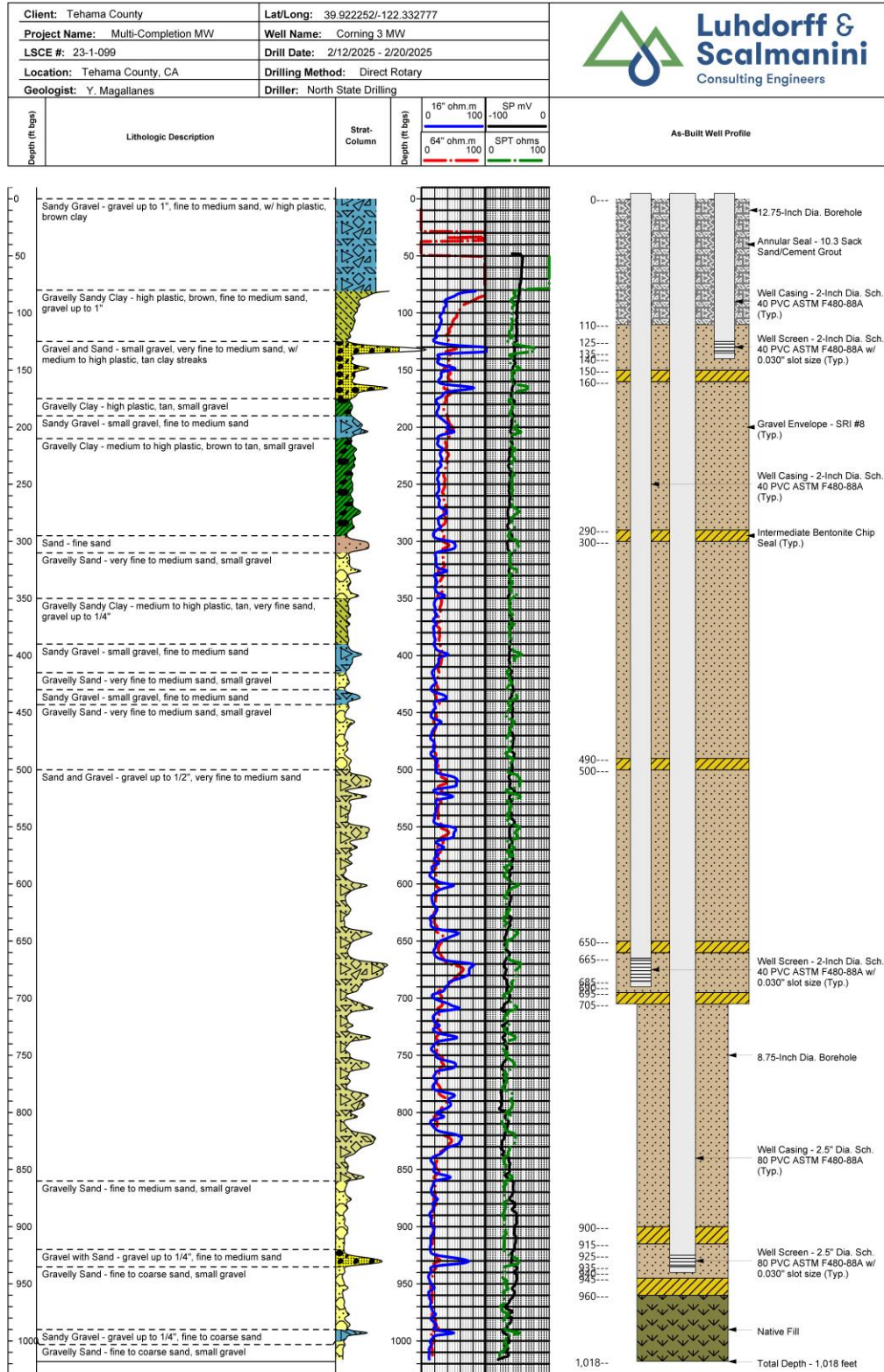
Figure 2. Site Area Map

PRE-DRILLING UNDERGROUND UTILITY CLEARANCE

Before drilling operations commenced, the site was surveyed for underground utilities by Underground Service Alert (USA) of Northern California. No underground utilities were identified at the project site by USA.

DRILLING AND MONITORING WELL INSTALLATION

LSCE recommended a preliminary test hole investigation depth of 1,030 feet below ground surface (bgs) at the Corning-3 site. The test hole was drilled to a total depth of 1,030 feet bgs on February 12-15, 2025. The 8.75-inch diameter test hole was drilled using the direct mud rotary drilling method and representative formation samples were collected by Well Industries Inc. at 10-foot intervals. LSCE geologists described the collected samples and prepared the lithologic log included on the as-built well profile sheet (**Figure 3**). Stewart Well Logging of Woodland, CA performed a geophysical survey (e-log) of the test hole on February 15, 2025 (**Figure 3**). The test hole was then reamed from ground surface to 705 ft bgs to 12.75-inch diameter to allow for the construction of a triple-completion monitoring well.



X:\2023\23-099 Tehama County 4-Subbasins (23-1-099) GSP Implementation\Task 3\Task 3.1\DRILLING\Corning 3 MW\Well Design

Figure 3. As Built Monitoring Well Profile

Monitoring well construction took place from February 16-20, 2025. LSCE prepared the well design based on review of the drill cuttings, geophysical survey results, and considering project objectives. The monitoring well was designed with the screens and seals placed at depths to facilitate monitoring of groundwater conditions in three separate depth intervals within the groundwater system. A five-foot sump is installed on the bottom of each well. Well construction details are summarized in **Table 1**.

Table 1. Corning-3 Monitoring Well Construction Details

Site ID	Depth Interval	Casing String (depth in feet)	Casing Material	Screened Interval (depth in feet)	Annular Seal (depth in feet)
Corning-3	Shallow	140	2-Inch Dia. Sch. 40 PVC	125-135	110
	Intermediate	690	2-Inch Dia. Sch. 40 PVC	665-685	
	Deep	940	2.5-Inch Dia. Sch. 80 PVC	925-935	

Gravel envelope and annular seal materials were placed in the borehole in accordance with the final monitoring well design (**Figure 3**). The three piezometers are housed within a traffic-rated flush-mount well vault. Well Completion Reports for the wells have been submitted to DWR and are included in **Appendix B**.

WELL CONSTRUCTION MATERIALS

The monitoring well was constructed of the following materials:

Well Casing – 2-inch diameter ASTM F480-88A, Schedule 40 PVC, and 2.5-inch diameter ASTM F480-88A, Schedule 80 PVC

Well Screen – 2-inch diameter ASTM F480-88A, Schedule 40 PVC, and 2.5-inch diameter ASTM F480-88A, Schedule 80 PVC, 0.030-inch factory cut slots

Gravel Envelope – SRI #8

Intermediate Seal – Bentonite Chips

Annular Seal – 10.3-Sack Sand/Cement Slurry

APPENDICIES

APPENDIX A

Monitoring Well Drilling and Construction Permit





DEPARTMENT OF ENVIRONMENTAL HEALTH
633 Washington St., Room 36
Red Bluff, California 96080
527-8020

Application No. W- 72/24

CORNING 3

APPLICATION TO CONSTRUCT OR DESTROY A WELL

Application for: Public Water Well ☐ Individual Well ☐ Well Destruction ☐ Agricultural Well ☐ Export ☐ Onsite ☐
Monitoring Well ☒ Cathodic Protection Well ☐ Other ☐
Type of Construction: New Construction ☒ Repair or Deepen ☐ Replacement ☐
Owner's Name: TEHAMA COUNTY FLOOD CONTROL & WATER DISTRICT GSA Assessor's Parcel No. N/A NEAREST APN: 061-268-011-000
Mailing Address: N/A Phone No.: N/A
City: N/A State: NA Zip Code: N/A
Applicant's Name: WELL INDUSTRIES INC Phone No.: 538-891-5545
Site Address: 39.92209674 - 122.33229955 Lot No: T24N-R04W-20
CORNING ROAD

NAME OF WELL DRILLER <u>North State Drilling / WELL INDUSTRIES INC</u>	CONTRACTOR'S LICENSE NUMBER <u>312678</u>
BUSINESS ADDRESS <u>3282 HWY 32</u> <u>CLICO CA 95973</u>	

WORKMEN'S COMPENSATION CERTIFICATE

I AM AWARE OF THE PROVISION OF SECTION 3700 OF THE CALIFORNIA LABOR CODE WHICH
REQUIRES EVERY EMPLOYER TO BE INSURED AGAINST LIABILITY FOR WORKMEN'S
COMPENSATION.

- NOTE: 1. Provide a minimum twelve (12) hour notice prior to installing or placing annular seal.
2. A satisfactory inspection or waiver by the Health Department and receipt of a Driller's report and a disinfection statement is required for final approval of work.
3. Contact this Department within 7 days of completion of the well.
4. Scaled Plot Plan is to be furnished for all applications, and shall show all septic tanks, leachlines, pits and other contamination hazards within 200 feet.

I hereby state that the information above and on plot plan is correct and true to the best of my knowledge.
I understand that the plot plan must be approved, obtained and be on site BEFORE any construction is begun. I further state, under penalty of perjury, that I am the owner of the property, the
owner's authorized representative, or a Licensed Well Drilling Contractor.
I understand approval of the Water Well construction does not indicate whether this property is suitable for an individual sewage disposal system or that an approval to install such a system is granted.

Date: 8/19/2024 Signed: [Signature]

THE APPLICANT IS RESPONSIBLE FOR MAINTAINING REQUIRED SETBACKS

- OFFICIAL USE ONLY - VISA

Received by: Lori Mueller Date: 8-20-24 Fee Received ☒ Cash ☐ Check ☐ Receipt no. 848595

Application Denied By: _____ (See Separate Report)

Well Inspection: Annular Seal _____ Sign & Date _____ Waived ☐ Final _____ Sign & Date _____ Waived ☐

Surface Pad ☐ Annular Seal: _____ Depth _____ Type & Procedure _____ Well Yield _____ gpm

Drilling fluids and other drilling materials used in connection with this work shall be safely and appropriately handled and disposed of.
Other Conditions: MONITORING WELL CONSTRUCTION SHALL COMPLY WITH BULLETIN 74-90 CALIFORNIA WELL STANDARDS.

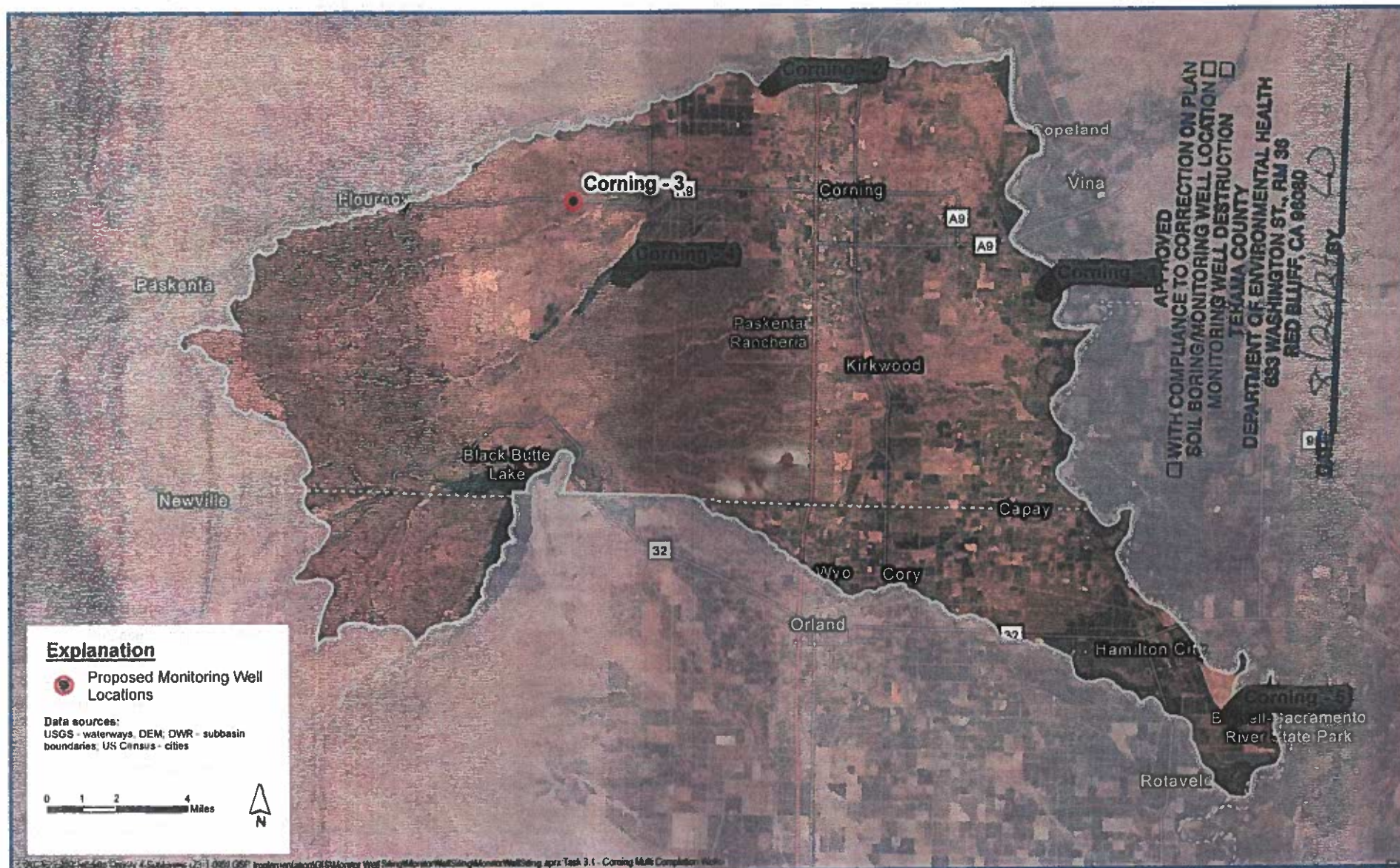
PERMISSION IS HEREBY GRANTED TO Well Industries, Inc. for the above well work in accordance with
all State and County Laws, and conditions as set forth on the approved plot plan.

Additional conditions attached _____

Effective date 8/26/24

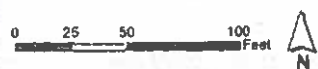
Expiration date 2/26/25

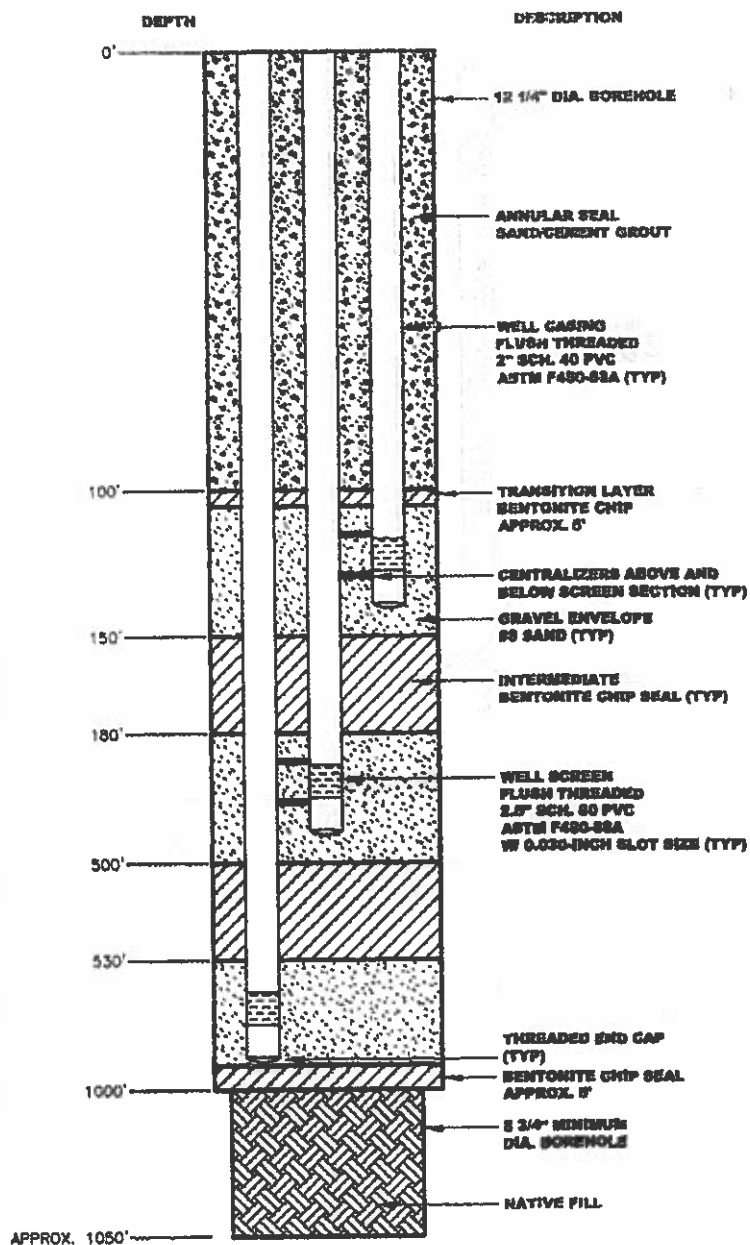
Granted by: [Signature]





Data sources:
USGS - waterways, DEM, DWR - subbasin
boundaries, US Census - cities





NOTE: DRAWING IS NOT TO SCALE

C:\Users\K\Documents\Projects\Wellheads Water\23-1-089\Figure 9.dwg DATE: 4/25/2024 12:15 PM



**Luhdorff &
Scalmanini**
Consulting Engineers

Conceptual Monitoring Well Profile

Corning Subbasin/
Tehama County Flood Control and Water Conservation District, Corning Subbasin
Groundwater Sustainability Agency

Figure 9

APPENDIX B

Water Well Drillers Completion Report



State of California
Well Completion Report
Form DWR 188 Submitted 08/01/2025
WCR2025-007769

Owner's Well Number: CORNING 3 MW

Date Work Began: 02/03/2025

Date Work Ended: 02/26/2025

Local Permit Agency: Tehama County Environmental Health Department

County: Tehama

Secondary Permit Agency:

Permit Number: W-72/24

Permit Date: 08/26/2024

Well Owner (must remain confidential pursuant to Water Code 13752)

Name: TEHAMA CO. FLOOD CONTROL & WATER CONSERVATION DISTRICT GSA

Address: 1509 SCHWAB ST.

City: RED BLUFF State: California Zip: 96080

Planned Use and Activity

Activity: New Production or Monitoring Well

Planned Use: Monitoring

Well Location

Address: 18745 CORNING RD

City: CORNING Zip: 96021

Latitude: 39 Deg. 55 Min. 19.98672152
Sec. N

Longitude: -122 Deg. 19 Min. 57.41772561
Sec. W

Dec. Lat. : 39.92221853

Dec. Long. : -122.33261603

Vertical Datum:

Horizontal Datum:

Location Accuracy:

Location Determination Method:

APN: 061-260-011-000

Township: 24N Range: 04W

Section: 20 BM: Mount Diablo

Ground Surface Elevation:

Elevation Accuracy:

Elevation Determination
Method:

Borehole Information

Orientation: Vertical # of casings (Specify): 3

Drilling Method: Direct Rotary Drilling Fluid: Bentonite

Total Depth of Boring: 1018 Feet

Total Depth of Completed Well: 940 Feet

Water Level and Yield of Completed Well

Depth to first water: (Feet below surface)

Depth to Static Water Level: (Feet)

Date Measured:

Estimated Yield*: (GPM) Test Type:

Test Length*: (Hours) Total Drawdown: (Feet)

*May not be representative of a well's long term yield.

Geologic Log - Free Form

Depth from Surface (Feet to Feet)		Description
0	80	SANDY GRAVEL
80	125	GRAVELLY SANDY CLAY
125	175	GRAVEL AND SAND WITH CLAY STREAKS
175	190	GRAVELLY CLAY

Depth from Surface (Feet to Feet)		Description
190	210	SANDY GRAVEL
210	295	GRAVELLY CLAY
295	310	SAND
310	350	GRAVELLY SAND
350	390	GRAVELLY SANDY CLAY
390	415	SANDY GRAVEL
415	430	GRAVELLY SAND
430	440	SANDY GRAVEL
440	500	GRAVELLY SAND
500	860	SAND AND GRAVEL
860	920	GRAVELLY SAND
920	935	GRAVEL WITH SAND
935	990	GRAVELLY SAND
990	1000	SANDY GRAVEL
1000	1018	GRAVELLY SAND

Casings										
Casing #	Depth from Surface (Feet to Feet)		Casing Type	Material	Casings Specifications	Wall Thickness (inches)	Outside Diameter (inches)	Screen Type	Slot Size if any (inches)	Description
1	0	125	Blank	PVC	Other	0.17	2			
1	125	135	Screen	PVC	Other	0.17	2	Milled Slots	0.03	
1	135	140	Blank	PVC	Other	0.17	2			W/ BULLNOSE
2	0	665	Blank	PVC	Other	0.29	2.5			
2	665	685	Screen	PVC	Other	0.29	2.5	Milled Slots	0.03	
2	685	690	Blank	PVC	Other	0.29	2.5			W/ BULLNOSE
3	0	925	Blank	PVC	Other	0.29	2.5			
3	925	935	Screen	PVC	Other	0.29	2.5	Milled Slots	0.03	
3	935	940	Blank	PVC	Other	0.29	2.5			W/ BULLNOSE

Annular Material				
Depth from Surface (Feet to Feet)		Fill	Fill Type Details	Filter Pack Size
0	110	Cement	10.3 Sack Mix	
110	150	Filter Pack	8 x 12	

Depth from Surface (Feet to Feet)		Fill	Fill Type Details	Filter Pack Size	Description
150	160	Bentonite	Other Bentonite		CHIPS
160	290	Filter Pack	8 x 12		
290	300	Bentonite	Other Bentonite		CHIPS
300	490	Filter Pack	8 x 12		
490	500	Bentonite	Other Bentonite		CHIPS
500	650	Filter Pack	8 x 12		
650	660	Bentonite	Other Bentonite		CHIPS
660	695	Filter Pack	8 x 12		
695	705	Bentonite	Low Solids		CHIPS
705	900	Filter Pack	8 x 12		
900	915	Bentonite	Other Bentonite		CHIPS
900	915	Bentonite	Other Bentonite		CHIPS
915	945	Filter Pack	8 x 12		
945	960	Bentonite	Low Solids		CHIPS
960	1018	Other Fill	See description		NATIVE FILL

Other Observations:

Borehole Specifications		
Depth from Surface (Feet to Feet)		Borehole Diameter (inches)
0	705	12.75
705	1018	8.75

Certification Statement			
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.			
Name: <u>WELL INDUSTRIES INC</u> Person, Firm or Corporation			
<u>3282 HIGHWAY 32</u>	<u>CHICO</u>	<u>California</u>	<u>95973</u>
Address	City	State	Zip
Signed: <u>electronic signature received</u> <u>08/01/2025</u> <u>812678</u> C-57 Licensed Water Well Contractor Date Signed License Number			

DWR Use Only											
CSG #		State Well Number				Site Code		Local Well Number			
					N						W
Latitude Deg/Min/Sec						Longitude Deg/Min/Sec					
TRS: APN:											

Attachments
No Attachments

CORNING 4

INSTALLATION SUMMARY REPORT NOTICE OF COMPLETION FOR CORNING-4 MONITORING WELL

Prepared for:

Corning Subbasin Groundwater Sustainability Agencies



Prepared by:

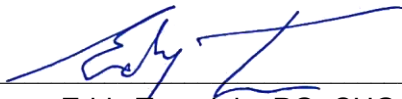


June 30, 2025

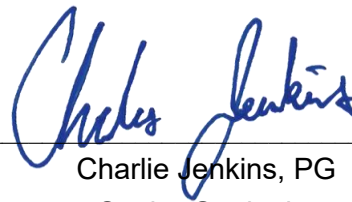
INSTALLATION SUMMARY REPORT FOR CORNING-4 MONITORING WELL

June 30, 2025

This report was prepared by the staff of Luhdorff and Scalmanini Consulting Engineers (LSCE) under the supervision of registered professionals.



Eddy Teasdale, PG, CHG
Principal Hydrogeologist



Charlie Jenkins, PG
Senior Geologist

The Corning Subbasin Groundwater Sustainability Agencies gratefully acknowledges the funding contribution from the California Department of Water Resources. Funding for this project has been provided in part from the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018 (Proposition 68) and through an agreement with the State Department of Water Resources.



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Well Construction Materials	5

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Figure 2 – Site Area Map
Figure 3 – As-Built Monitoring Well Profile

APPENDICES

Appendix A – Monitoring Well Drilling and Construction Permit
Appendix B – Water Well Drillers Completion Report

INTRODUCTION

The Corning Subbasin Groundwater Sustainability Agencies received grant funding from the California Department of Water Resources to support installation of groundwater monitoring wells important for implementation of the Corning Subbasin Groundwater Sustainability Plan (GSP). Grant funding from the California Department of Water Resources (DWR) Sustainable Groundwater Management (SGM) grant program supported installation of a total of five (5) multi-completion monitoring wells for tracking groundwater levels and quality within the Subbasin.

This report summarizes the drilling and construction of the Corning-4 Monitoring Well site shown on **Figure 1**. The monitoring well is one of five (5) new monitoring wells constructed from 2024 to 2025 within the Corning Subbasin. Water level data collected from the monitoring wells will be used to support ongoing GSP implementation efforts in the Subbasins.

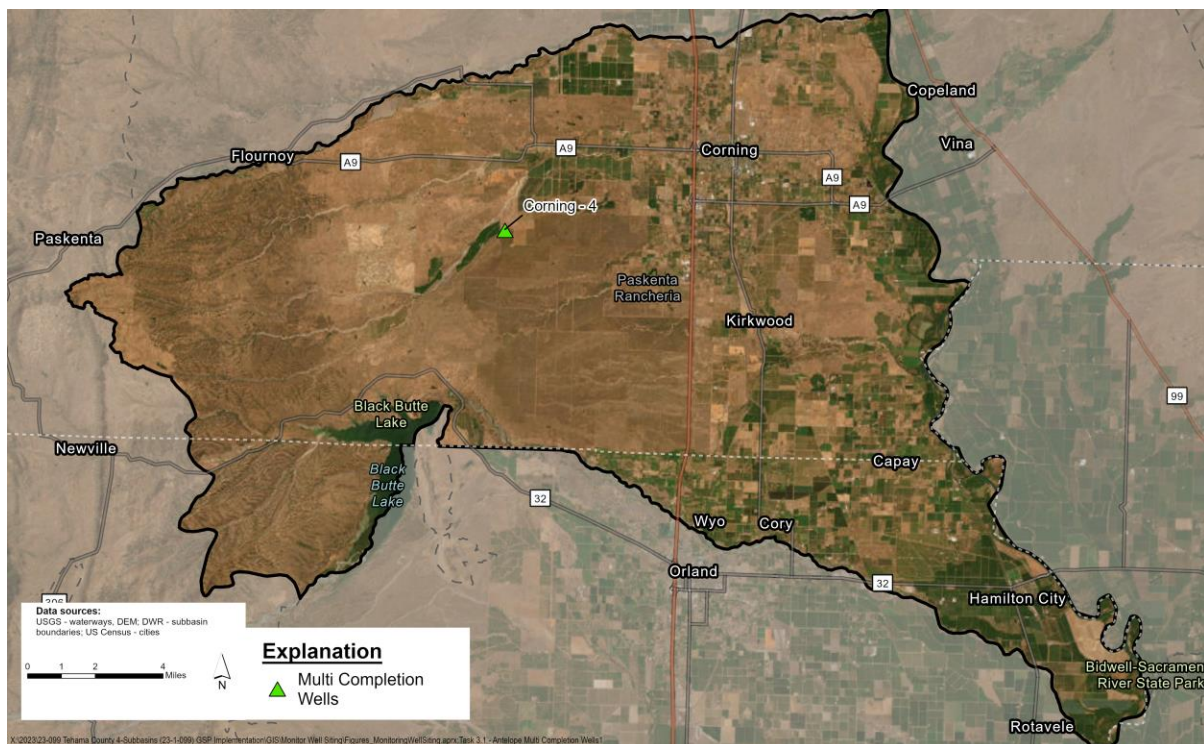


Figure 1. Site Location Map

An assessment of data gaps conducted during the GSP preparation identified several areas for additional monitoring of groundwater levels and quality. These areas were the target for the construction for monitoring wells.

Preliminary test hole investigation depths were developed by Luhdorff and Scalmanini Consulting Engineers (LSCE) based on review of regional hydrogeology, available well completion reports (WCRs), Airborne Electromagnetic Survey (AEM) data, and monitoring objectives. Test hole drilling and monitoring well construction for the Corning-4 monitoring well was conducted by Well Industries Inc.

(C-57 License No. 812678) of Chico, California under the supervision of LSCE. The final monitoring well design was prepared by LSCE based on review of geophysical survey results and lithologic samples collected during test hole drilling.

LOCATION AND MONITORING WELL PERMIT

The Corning-4 monitoring well is located approximately 3.4 miles northeast of the intersection of Long Hollow Road and Tapscott Road (aka Black Butte Road) in Tehama County (**Figure 2**). The monitoring well was constructed on the dirt turnout area on the northern side of Tapscott Road. An encroachment permit was obtained from the County before any work began. Well drilling and construction was conducted under a drilling permit (Permit No. W-73/24) issued by the Tehama County Department of Environmental Health. A copy of the drilling permit is included in **Appendix A**.



Figure 2. Site Area Map

PRE-DRILLING UNDERGROUND UTILITY CLEARANCE

Before drilling operations commenced, the site was surveyed for underground utilities by Underground Service Alert (USA) of Northern California. No underground utilities were identified at the project site by USA.

DRILLING AND MONITORING WELL INSTALLATION

LSCE recommended a preliminary test hole investigation depth of 944 feet below ground surface (bgs) at the Corning-4 site. The test hole was drilled to a total depth of 944 feet bgs on March 3-5, 2025. The 8.75-inch diameter test hole was drilled using the direct mud rotary drilling method and representative formation samples were collected by Well Industries Inc. at 10-foot intervals. LSCE geologists described the collected samples and prepared the lithologic log included on the as-built well profile sheet (**Figure 3**). Stewart Well Logging of Woodland, CA performed a geophysical survey (e-log) of the test hole on March 5, 2025 (**Figure 3**). The test hole was then reamed from ground surface to 635 ft bgs to 12.75-inch diameter to allow for the construction of a triple-completion monitoring well.

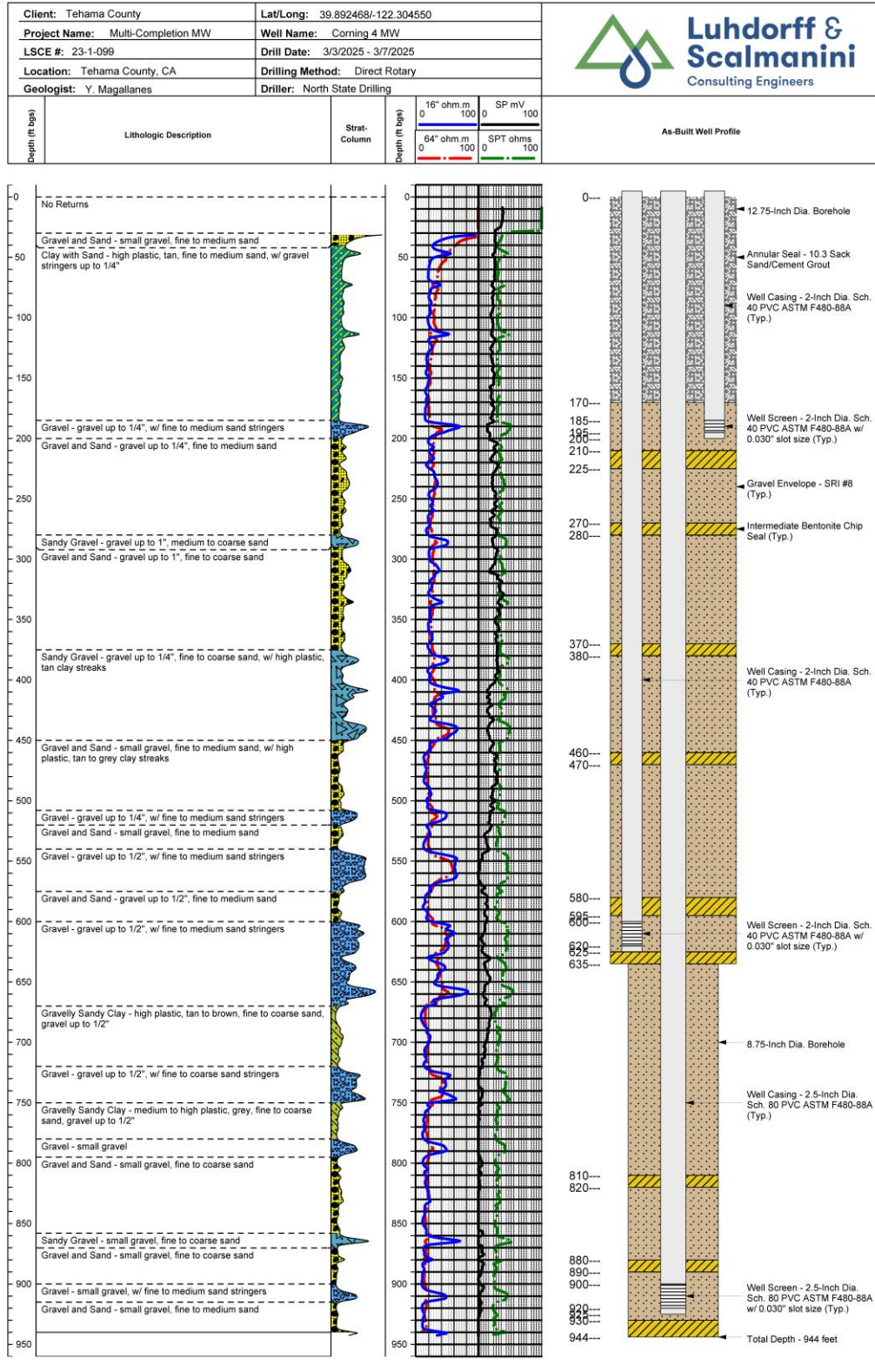


Figure 3. As Built Monitoring Well Profile

Monitoring well construction took place from March 5-7, 2025. LSCE prepared the well design based on review of the drill cuttings, geophysical survey results, and considering project objectives. The monitoring well was designed with the screens and seals placed at depths to facilitate monitoring of groundwater conditions in three separate depth intervals within the groundwater system. A five-foot sump is installed on the bottom of each well. Well construction details are summarized in **Table 1**.

Table 1. Corning-4 Monitoring Well Construction Details

Site ID	Depth Interval	Casing String (depth in feet)	Casing Material	Screened Interval (depth in feet)	Annular Seal (depth in feet)
Corning-4	Shallow	200	2-Inch Dia. Sch. 40 PVC	185-195	170
	Intermediate	625	2-Inch Dia. Sch. 40 PVC	600-620	
	Deep	925	2.5-Inch Dia. Sch. 80 PVC	900-920	

Gravel envelope and annular seal materials were placed in the borehole in accordance with the final monitoring well design (**Figure 3**). The three piezometers are housed within a traffic-rated flush-mount well vault. Well Completion Reports for the wells have been submitted to DWR and are included in **Appendix B**.

WELL CONSTRUCTION MATERIALS

The monitoring well was constructed of the following materials:

Well Casing – 2-inch diameter ASTM F480-88A, Schedule 40 PVC, and 2.5-inch diameter ASTM F480-88A, Schedule 80 PVC

Well Screen – 2-inch diameter ASTM F480-88A, Schedule 40 PVC, and 2.5-inch diameter ASTM F480-88A, Schedule 80 PVC, 0.030-inch factory cut slots

Gravel Envelope – SRI #8

Intermediate Seal – Bentonite Chips

Annular Seal – 10.3-Sack Sand/Cement Slurry

APPENDICIES

APPENDIX A

Monitoring Well Drilling and Construction Permit





DEPARTMENT OF ENVIRONMENTAL HEALTH

633 Washington St., Room 36
Red Bluff, California 96080
527-8020Application No. W- 73/24

CORNING 4

APPLICATION TO CONSTRUCT OR DESTROY A WELL

Application for: Public Water Well ☐ Individual Well ☐ Well Destruction ☐ Agricultural Well ☐ Export ☐ Onsite ☐
Monitoring Well ☐ Cathodic Protection Well ☐ Other ☐

Type of Construction: New Construction ☐ Repair or Deepen ☐ Replacement ☐

Owner's Name: Public Right of Way CONSERVATION DISTRICT GSA Assessor's Parcel No. N/A

Mailing Address: N/A Phone No.: N/A

City: N/A State: N/A Zip Code: N/A

Applicant's Name: WELL INDUSTRIES INC. Phone No.: 530-891-5545

Site Address: 39.39291478 -122.38386882 Lot No: T24N-R84W-34
BLACK BUTTE ROAD

NAME OF WELL DRILLER

North STATE DALLIN, WELL INDUSTRIES INC.

CONTRACTOR'S LICENSE NUMBER

312673

BUSINESS ADDRESS

3282 HWY 32
CHICO, CA 95973

WORKMEN'S COMPENSATION CERTIFICATE

I AM AWARE OF THE PROVISION OF SECTION 3700 OF THE CALIFORNIA LABOR CODE WHICH
REQUIRES EVERY EMPLOYER TO BE INSURED AGAINST LIABILITY FOR WORKMEN'S
COMPENSATION.

- NOTE: 1. Provide a minimum twelve (12) hour notice prior to installing or placing annular seal.
2. A satisfactory inspection or waiver by the Health Department and receipt of a Driller's report and a disinfection statement is required for final approval of work.
3. Contact this Department within 7 days of completion of the well.
4. Scaled Plot Plan is to be furnished for all applications, and shall show all septic tanks, leachlines, pits and other contamination hazards within 200 feet.

I hereby state that the information above and on plot plan is correct and true to the best of my knowledge.

I understand that the plot plan must be approved, obtained and be on site BEFORE any construction is begun. I further state, under penalty of perjury, that I am the owner of the property, the owner's authorized representative, or a Licensed Well Drilling Contractor.

I understand approval of the Water Well construction does not indicate whether this property is suitable for an individual sewage disposal system or that an approval to install such a system is granted.

Date: 8/19/2024 Signed: [Signature]

THE APPLICANT IS RESPONSIBLE FOR MAINTAINING REQUIRED SETBACKS

- OFFICIAL USE ONLY - VISA

Received by: Lori Mueller Date: 8-20-24 Fee Received ☒ Cash ☐ Check ☐ Receipt no. 848595

Application Denied By: _____ (See Separate Report)

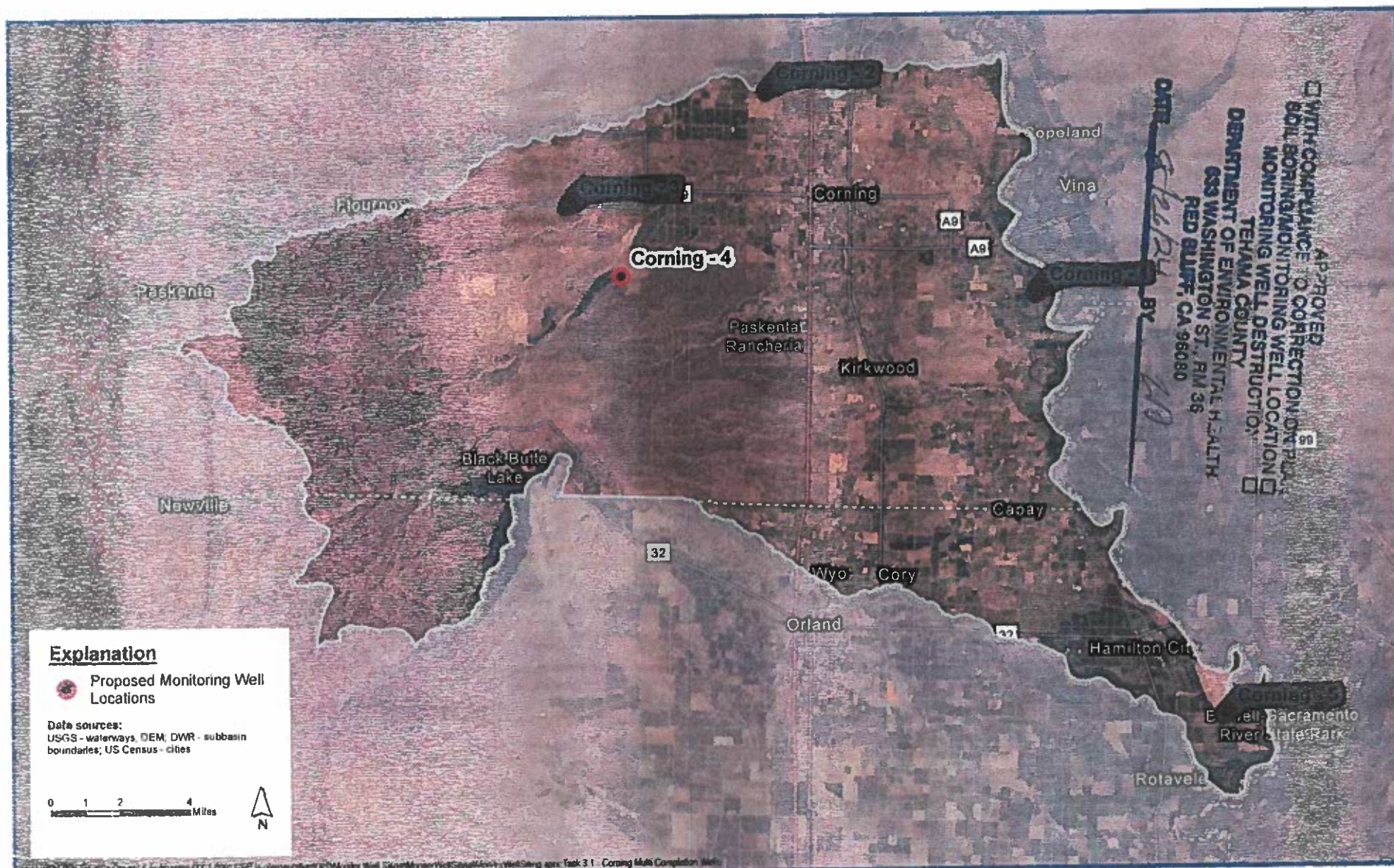
Well Inspection: Annular Seal _____ Sign & Date _____ Waived ☐ Final _____ Sign & Date _____ Waived ☐Surface Pad ☐ Annular Seal: _____ Depth _____ Type & Procedure _____ Well Yield _____ gpm

Drilling fluids and other drilling materials used in connection with this work shall be safely and appropriately handled and disposed of.

Other Conditions: MONITORING WELL CONSTRUCTION SHALL COMPLY WITH BULLETIN 74-90 CALIFORNIA WELL STANDARDS.PERMISSION IS HEREBY GRANTED TO Well Industries Inc. for the above well work in accordance with all State and County Laws, and conditions as set forth on the approved plot plan.

Additional conditions attached _____

Effective date 8/26/24Expiration date 2/26/25Granted by: [Signature]



**Luhdorff &
 Scalmanini**
 Consulting Engineers

Corning Proposed Multi-Completion Well Locations



Data sources:
USGS - waterways, DEM, DWR - subbasin
boundaries, US Census - cities

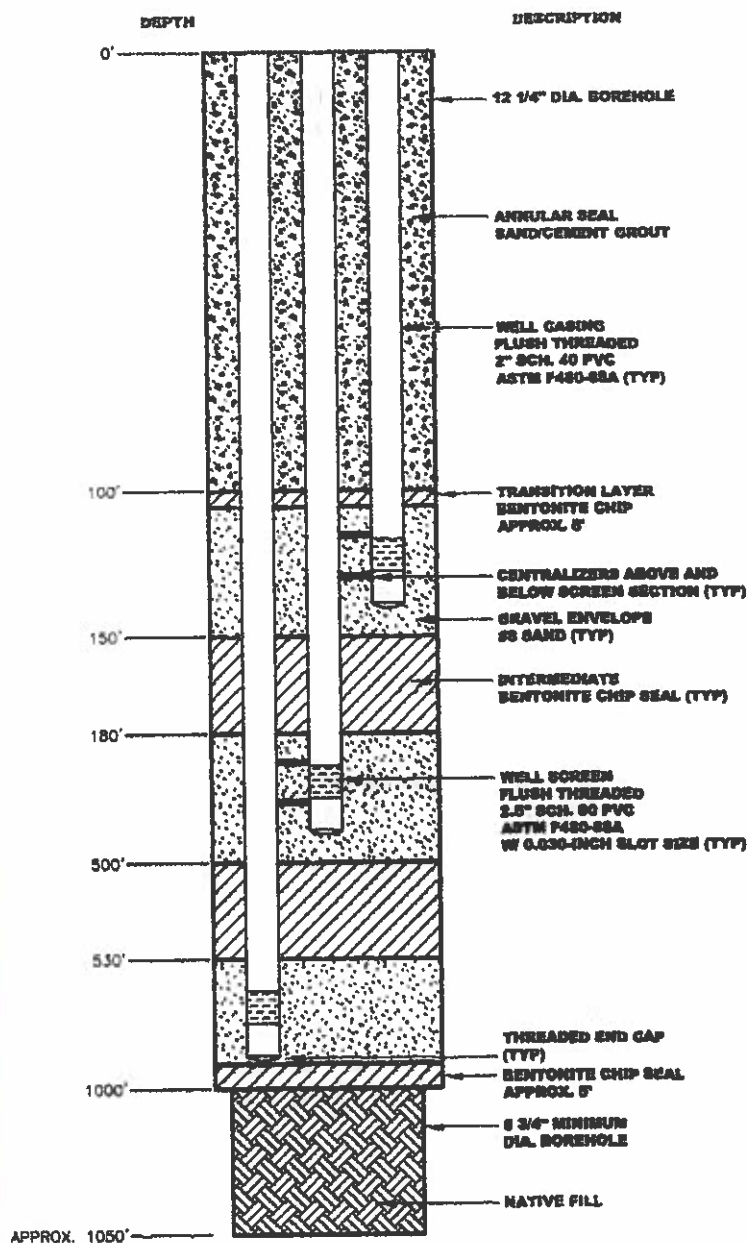
0 25 50 100 Feet
N



**Luhdorff &
Scalmanini**
Consulting Engineers

Corning Multi-Completion Well 4

Lat/Long: 39.89291478, -122.30386002



NOTE: DRAWING IS NOT TO SCALE

C:\P\21\21 ADD (Propose)\Projects\Wellheads Water\21-0099\Figure 9.dwg DATE: 4/25/2024 12:15 PM



**Luhdorff &
Scalmanini**
Consulting Engineers

Conceptual Monitoring Well Profile

Corning Subbasin/
Tehama County Flood Control and Water Conservation District, Corning Subbasin
Groundwater Sustainability Agency

Figure 9

APPENDIX B

Water Well Drillers Completion Report



State of California
Well Completion Report
Form DWR 188 Submitted 08/01/2025
WCR2025-007775

Owner's Well Number: CORNING 4 MW

Date Work Began: 02/24/2025

Date Work Ended: 03/10/2025

Local Permit Agency: Tehama County Environmental Health Department

County: Tehama

Secondary Permit Agency:

Permit Number: W-73/24

Permit Date: 08/26/2024

Well Owner (must remain confidential pursuant to Water Code 13752)

Name: TEHAMA CO. FLOOD CONTROL & WATER CONSERVATION DISTRICT GSA

Address: 1509 SCHWAB ST.

City: RED BLUFF State: California Zip: 96080

Planned Use and Activity

Activity: New Production or Monitoring Well

Planned Use: Monitoring

Well Location

Address:

City: Zip:

Latitude: 39 Deg. 53 Min. 33.06499874
Sec. N

Dec. Lat. : 39.89251806

Vertical Datum:

Location Accuracy:

Longitude: -122 Deg. 18 Min. 16.00978208
Sec. W

Dec. Long. : -122.30444716

Horizontal Datum:

Location Determination Method:

APN: 061-340-010-000

Township: Range:
24N 04W

Section: BM: Mount
34 Diablo

Ground Surface Elevation:

Elevation Accuracy:

Elevation Determination
Method:

Borehole Information

Orientation: Vertical # of casings (Specify): 3

Drilling Method: Direct Rotary Drilling Fluid: Bentonite

Total Depth of Boring: 944 Feet

Total Depth of Completed Well: 925 Feet

Water Level and Yield of Completed Well

Depth to first water: (Feet below surface)

Depth to Static Water Level: (Feet)

Date Measured:

Estimated Yield*: (GPM) Test Type:

Test Length*: (Hours) Total Drawdown: (Feet)

*May not be representative of a well's long term yield.

Geologic Log - Free Form

Depth from Surface (Feet to Feet)		Description
0	40	GRAVEL AND SAND
40	185	CLAY WITH SAND AND GRAVEL STRINGERS
185	200	GRAVEL
200	280	GRAVEL AND SAND

Depth from Surface (Feet to Feet)		Description
280	290	SANDY GRAVEL
290	375	GRAVEL AND SAND
375	450	SANDY GRAVEL WITH CLAY STREAKS
450	510	GRAVEL AND SAND
510	520	GRAVEL
520	540	GRAVEL AND SAND
540	575	GRAVEL
575	600	GRAVEL AND SAND
600	670	GRAVEL
670	720	GRAVELLY SANDY CLAY
670	720	GRAVELLY SANDY CLAY
720	750	GRAVEL
750	780	GRAVELLY SANDY CLAY
780	795	GRAVEL
795	860	GRAVEL AND SAND
860	870	SANDY GRAVEL
870	900	GRAVEL AND SAND
900	915	GRAVEL
915	944	GRAVEL AND SAND

Casings										
Casing #	Depth from Surface (Feet to Feet)		Casing Type	Material	Casings Specifications	Wall Thickness (inches)	Outside Diameter (inches)	Screen Type	Slot Size if any (inches)	Description
1	0	185	Blank	PVC	Other	0.17	2			
1	185	195	Screen	PVC	Other	0.17	2	Milled Slots	0.03	
1	195	200	Blank	PVC	Other	0.17	2	Milled Slots		W/ BULLNOSE
2	0	600	Blank	PVC	Other	0.29	2.5			
2	600	620	Screen	PVC	Other	0.29	2.5	Milled Slots	0.03	
2	620	625	Blank	PVC	Other	0.29	2.5			W/ BULLNOSE
3	0	900	Blank	PVC	Other	0.29	2.5			
3	900	920	Screen	PVC	Other	0.29	2.5	Milled Slots	0.03	
3	920	925	Blank	PVC	Other	0.29	2.5			W/ BULLNOSE

Annular Material					
Depth from Surface (Feet to Feet)		Fill	Fill Type Details	Filter Pack Size	Description
0	170	Cement	10.3 Sack Mix		
170	210	Filter Pack	8 x 12		
210	225	Bentonite	Other Bentonite		CHIPS
225	270	Filter Pack	8 x 12		
270	280	Bentonite	Other Bentonite		CHIPS
280	370	Filter Pack	8 x 12		
370	380	Bentonite	Other Bentonite		CHIPS
380	460	Filter Pack	8 x 12		
460	470	Bentonite	Other Bentonite		CHIPS
470	580	Filter Pack	8 x 12		
580	595	Bentonite	Other Bentonite		CHIPS
595	625	Filter Pack	8 x 12		
625	635	Bentonite	Other Bentonite		CHIPS
625	810	Filter Pack	8 x 12		
810	820	Bentonite	Other Bentonite		CHIPS
820	880	Filter Pack	8 x 12		
880	890	Bentonite	Other Bentonite		CHIPS
890	930	Filter Pack	8 x 12		
930	944	Bentonite	Other Bentonite		CHIPS

Other Observations:

Borehole Specifications		
Depth from Surface (Feet to Feet)		Borehole Diameter (inches)
0	635	12.75
635	944	8.75

Certification Statement			
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.			
Name: <u>WELL INDUSTRIES INC</u> Person, Firm or Corporation			
<u>3282 HIGHWAY 32</u>	<u>CHICO</u>	<u>California</u>	<u>95973</u>
Address	City	State	Zip
Signed: <u>electronic signature received</u> <u>08/01/2025</u> <u>812678</u> C-57 Licensed Water Well Contractor Date Signed License Number			

DWR Use Only											
CSG #		State Well Number				Site Code		Local Well Number			
					N						W

	Latitude Deg/Min/Sec	Longitude Deg/Min/Sec
TRS:		
APN:		

Attachments
No Attachments

CORNING 5

INSTALLATION SUMMARY REPORT NOTICE OF COMPLETION FOR CORNING-5 MONITORING WELL

Prepared for:

Corning Subbasin Groundwater Sustainability Agencies



Prepared by:

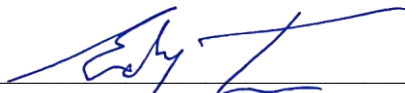


June 30, 2025

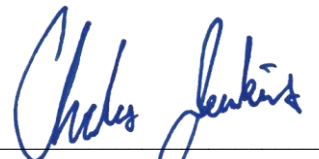
INSTALLATION SUMMARY REPORT FOR CORNING-5 MONITORING WELL

June 30, 2025

This report was prepared by the staff of Luhdorff and Scalmanini Consulting Engineers (LSCE) under the supervision of registered professionals.



Eddy Teasdale, PG, CHG
Principal Hydrogeologist



Charlie Jenkins, PG
Senior Geologist

The Corning Subbasin Groundwater Sustainability Agencies gratefully acknowledges the funding contribution from the California Department of Water Resources. Funding for this project has been provided in part from the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018 (Proposition 68) and through an agreement with the State Department of Water Resources.



CONTENTS

Introduction	1
Location and Monitoring Well Permit	2
Pre-Drilling Underground Utility Clearance	2
Drilling and Monitoring Well Installation.....	3
Well Construction Materials	5

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Figure 1 – Site Location Map
Figure 2 – Site Area Map
Figure 3 – As-Built Monitoring Well Profile

APPENDICES

Appendix A – Monitoring Well Drilling and Construction Permit
Appendix B – Water Well Drillers Completion Report

INTRODUCTION

The Corning Subbasin Groundwater Sustainability Agencies received grant funding from the California Department of Water Resources to support installation of groundwater monitoring wells important for implementation of the Corning Subbasin Groundwater Sustainability Plan (GSP). Grant funding from the California Department of Water Resources (DWR) Sustainable Groundwater Management (SGM) grant program supported installation of a total of five (5) multi-completion monitoring wells for tracking groundwater levels and quality within the Subbasin.

This report summarizes the drilling and construction of the Corning-5 Monitoring Well site shown on **Figure 1**. The monitoring well is one of five (5) new monitoring wells constructed from 2024 to 2025 within the Corning Subbasin. Water level data collected from the monitoring wells will be used to support ongoing GSP implementation efforts in the Subbasins.

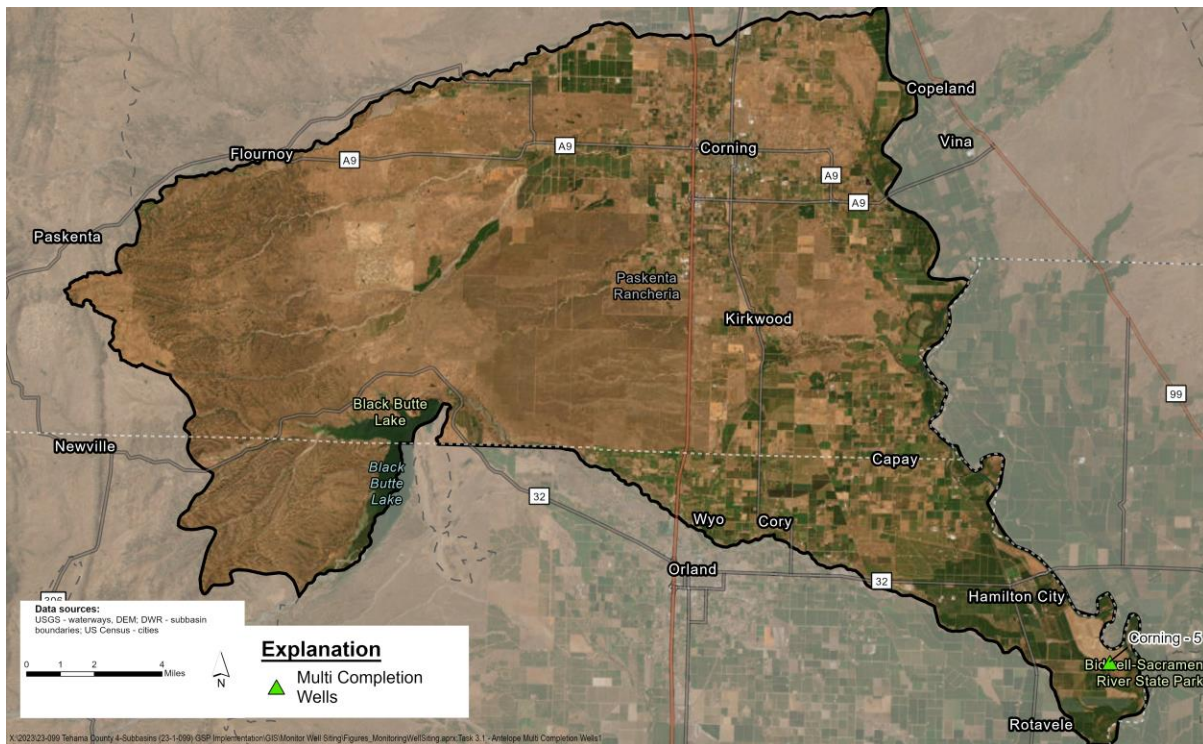


Figure 1. Site Location Map

An assessment of data gaps conducted during the GSP preparation identified several areas for additional monitoring of groundwater levels and quality. These areas were the target for the construction for monitoring wells.

Preliminary test hole investigation depths were developed by Luhdorff and Scalmanini Consulting Engineers (LSCE) based on review of regional hydrogeology, available well completion reports (WCRs), Airborne Electromagnetic Survey(AEM) data, and monitoring objectives. Test hole drilling and monitoring well construction for the Corning-5 monitoring well was conducted by Well Industries Inc. (C-57 License

No. 812678) of Chico, California under the supervision of LSCE. The final monitoring well design was prepared by LSCE based on review of geophysical survey results and lithologic samples collected during test hole drilling.

LOCATION AND MONITORING WELL PERMIT

The Corning-5 monitoring well is located approximately 2,400 feet east of the Capay Unit Parking area along County Road 23 in Glenn County (**Figure 2**). The monitoring well was constructed on the dirt turnout area on the south side of County Road 23 (St. John Road). An encroachment permit was obtained from the County before any work began. Well drilling and construction was conducted under a drilling permit (Permit No. MW 2504-0001) issued by the Glenn County Planning and Community Development Services Agency Environmental Health Department. A copy of the drilling permit is included in **Appendix A**.

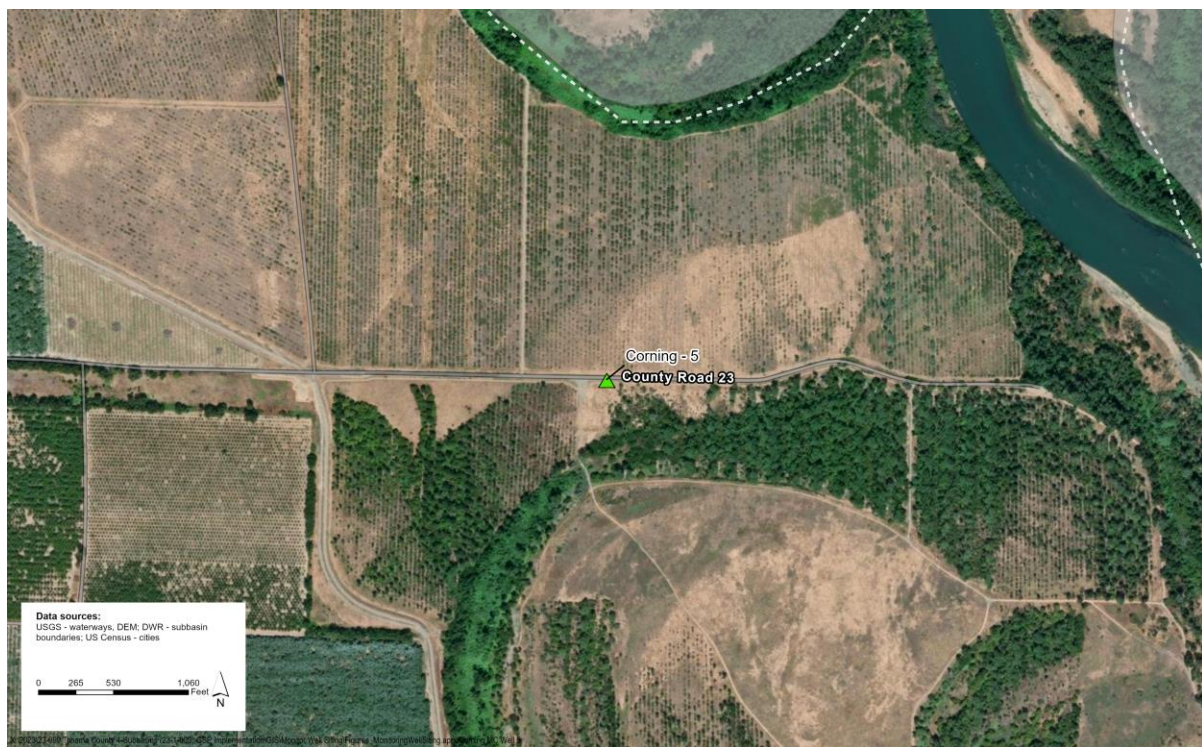


Figure 2. Site Area Map

PRE-DRILLING UNDERGROUND UTILITY CLEARANCE

Before drilling operations commenced, the site was surveyed for underground utilities by Underground Service Alert (USA) of Northern California. No underground utilities were identified at the project site by USA.

DRILLING AND MONITORING WELL INSTALLATION

LSCE recommended a preliminary test hole investigation depth of 1,182 feet below ground surface (bgs) at the Corning-5 site. The test hole was drilled to a total depth of 1,182 feet bgs on March 27, 2025. The 8.75-inch diameter test hole was drilled using the direct mud rotary drilling method and representative formation samples were collected by Well Industries Inc. at 10-foot intervals. LSCE geologists described the collected samples and prepared the lithologic log included on the as-built well profile sheet (**Figure 3**). Stewart Well Logging of Woodland, CA performed a geophysical survey (e-log) of the test hole on March 27, 2025 (**Figure 3**). The test hole was then reamed to 12.75-inch diameter to allow for the construction of a triple-completion monitoring well.

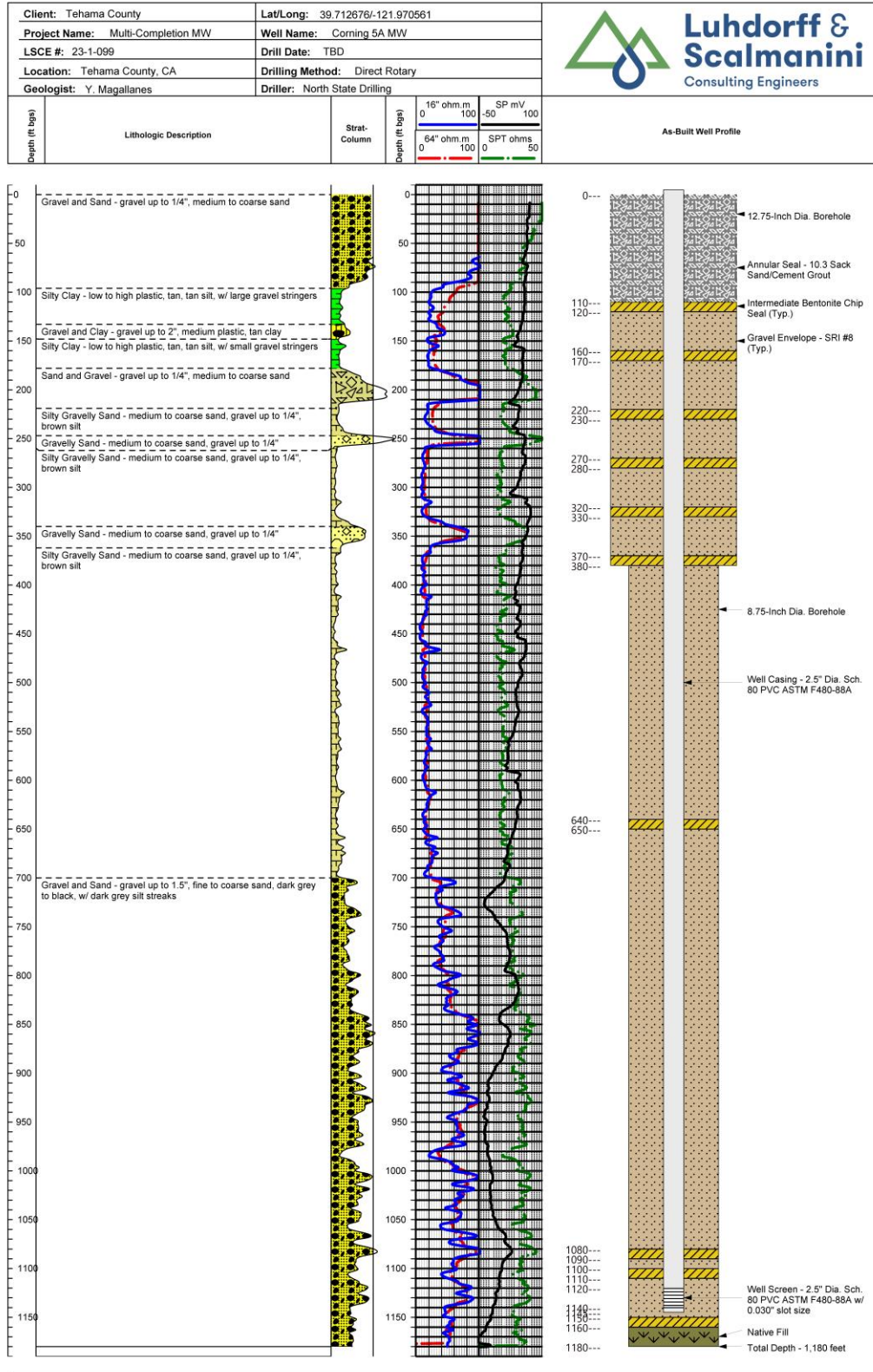


Figure 3 – As-Built Monitoring Well Profile

Monitoring well construction started March 28, 2025. LSCE prepared the well design based on review of the drill cuttings, geophysical survey results, and considering project objectives. The monitoring well was designed with the screens and seals placed at depths to facilitate monitoring of groundwater conditions in three separate depth intervals within the groundwater system. After installation of the deepest of the three completions, the upper portions of the geologic material collapsed and partially filled the annulus around the well. A surface completion and sanitary seal was installed to complete the deepest well as a single completion. LSCE recommended a second preliminary test hole investigation depth of 400 feet below ground surface (bgs) at the Corning-5 site.

The second test hole was drilled to a total depth of 409 feet bgs on April 24-29, 2025. The 8.75-inch diameter test hole was drilled using the direct mud rotary drilling method. Stewart Well Logging of Woodland, CA performed a geophysical survey (e-log) of the test hole on April 29, 2025 (**Figure 3**). Monitoring well construction took place from April 30th to May 1st, 2025. The test hole was then reamed to 12.75-inch diameter to allow for the construction of a dual-completion monitoring well. A five-foot sump is installed on the bottom of each well. Well construction details are summarized in **Table 1**.

Table 1. Corning-5 Monitoring Well Construction Details

Site ID	Depth Interval	Casing String (depth in feet)	Casing Material	Screened Interval (depth in feet)	Annular Seal (depth in feet)
Corning-5A	Deep	1,145	2.5-Inch Dia. Sch. 80 PVC	1,120-1,140	110
Corning-5B	Shallow	215	2-Inch Dia. Sch. 40 PVC	190-210	110
	Intermediate	365	2.5-Inch Dia. Sch. 80 PVC	340-360	

Gravel envelope and annular seal materials were placed in the boreholes in accordance with the final monitoring well design (**Figure 3**). The three piezometers are housed within traffic-rated flush-mount well vaults. Well Completion Reports for the wells have been submitted to DWR and are included in **Appendix B**.

WELL CONSTRUCTION MATERIALS

The monitoring well was constructed of the following materials:

Well Casing – 2-inch diameter ASTM F480-88A, Schedule 40 PVC, and 2.5-inch diameter ASTM F480-88A, Schedule 80 PVC

Well Screen – 2-inch diameter ASTM F480-88A, Schedule 40 PVC, and 2.5-inch diameter ASTM F480-88A, Schedule 80 PVC, 0.030-inch factory cut slots

Gravel Envelope – SRI #8

Intermediate Seal – Bentonite Chips

Annular Seal – 10.3-Sack Sand/Cement Slurry

APPENDICIES

APPENDIX A

Monitoring Well Drilling and Construction Permit



GLENN COUNTY

Planning & Community Development Services Agency Environmental Health Department



225 N Tehama St.
Willows, CA 95988
Tel: 530.934.6102 Fax: 530.934.6103
www.countyofglenn.net

MARDY THOMAS, DIRECTOR

Well Permit Application

Well Permit #

Applicant Information:

mw 2504-0001

Owners Name: Corning Sub-basin GSA (Representative: Lisa Hunter) Phone #: 530-934-6540
Mailing Address: 225 North Tehama St Fax #: _____
Email Address: lhunter@countyofglenn.net
Well Contractor: North State Drilling / Well Industries Inc. Phone #: (530) 891-5545
Well Contractor Email: justin@wellindustriesinc.com Fax #: _____
Well Contractor CA C-57 License # 812678

Property & Well Location:

Assessor's Parcel Number: N/A Long. /Lat. Source: ESRI
Well Longitude: 121.9627223°W Well Latitude: 39.7127343°N
Property Address/Location: On County Road 23 Approximately 2 miles east of the intersection with Hwy 45. Approximately 20 ft east of new deep monitoring well
(Provide Nearest Cross Road)

Type of Work:

New Well ☒ Replacement Well ☐ Repair/Deepen ☐ Test Hole ☐ Destruction ☐

Well Type:

Domestic ☐ Industrial ☐ Agricultural ☐ Monitoring ☒ Public ☐ Soil Boring ☐ # ()
Cathodic Protection ☐ Other ☐

Distance From Well:

Septic Tank (ft.): _____ Dispersal Field (ft.): _____ Animal Enclosure (ft.): _____

Total Number of Wells on Property:

Active: 0 Inactive: _____ Abandoned: _____

Construction Detail Proposed:

Construction Detail Actual:

Borehole Depth (ft): 380 Conductor Material: STEEL
Borehole Dia. (in): 12.75 Conductor Dia. (in): 2 1/2"
Casing Depth (ft): 215 365 Conductor Depth (ft): 50'
Casing Dia. (in): 2" Seal Depth (ft): 110
Casing Material: PVC Gravel Pack: Yes ☒ No ☐
Casing Gauge: Sch. 40

Borehole Depth (ft): _____ Conductor Material: _____
Borehole Dia. (in): _____ Conductor Dia. (in): _____
Casing Depth (ft): _____ Conductor Depth (ft): _____
Casing Dia. (in): _____ Seal Depth (ft): _____
Casing Material: _____ Gravel Pack: Yes ☐ No ☐
Casing Gauge: _____

Destruction Detail:	Well Depth (ft): _____ Well Diameter (in): _____ Seal Depth (ft): _____
Sealing Material:	Neat Cement <input type="checkbox"/> 10.3 Sack, Sand Cement <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Bentonite: Type: _____ Product Name: _____
Pump Size and Well Use:	Proposed Pump Size: <u>N/A</u> Proposed Well Use (ex. Almonds, Rice): <u>N/A</u>

Plot Plan Requirements

Submit plot plan on a separate 8 ½ inch by 11-14 inch piece of paper. Indicate all distances in feet. Provide the names of streets or roads nearest to the property. Provide dimensions of the property, water surface features and all existing and proposed structures. Provide locations of animal enclosures, existing and proposed onsite wastewater treatment systems, including expansion and repair areas, within 300 feet of the new well. Provide locations of all other wells within 300 feet of the new well. Location information shall include all adjacent parcels, if within the setbacks.

A labelled satellite image or aerial photo (ex. Google earth) may be submitted in place of a plot plan drawing and would be preferred.

Permit Application Conditions of Approval/Notes (Official Use Only)

- ① IF THE Annular Seal Depth is LESS THAN 20 FEET, THE DESTRUCTION WILL REQUIRE OVER-DRILLING, COMPLETE REMOVAL OF CASING AND ANY MATERIAL IN THE BORE HOLE. THEN FILL ENTIRE BORE HOLE W/ SEALING MATERIAL
- ② THE Monitoring Well Construction SHALL MEET ALL REQUIREMENTS OF THE CALIFORNIA WELL STANDARDS.
- ③ Conductor Casing SHALL BE REMOVED OR SEALED ON THE INSIDE AND OUTSIDE.

Agreement and Signature of Owner and Well Contractor:

I certify that I have read this application and the information described herein is correct. I agree to comply with all State and County laws, standards, ordinances, regulations and conditions related to this well, and hereby agree to obtain all required inspections of this well. I agree to contact the Environmental Health Department at least one (1) business day prior to the desired inspection time(s). I agree to submit a "Well Completion Report" and "E-Log" (if required) to the Environmental Health Department. "Well Completion Reports" shall be submitted to the Environmental Health Department within sixty (60) days of well seal completion.

I understand that meters are recommended on all new, replacement, repaired and deepened non-exempt wells. Meters should meet current applicable industry standards and be installed per the manufacturer's specifications. I understand that this well may become subject to further requirements and restrictions in order to meet groundwater management and sustainability goals. I certify that I will work cooperatively with County Officials and Authorized Groundwater Sustainability Agency Staff in order to implement groundwater management and sustainability goals.

I understand every permit expires one (1) year after issuance. I further understand that if the well cannot be completed within one (1) year I may apply for an additional one (1) year extension, before the permit expires and with Environmental Health Department approval.



Signature of Owner

4.3.25

Date



Signature of Well Contractor

4/7/2025

Date

Official Use Only☒ Submitted☐ GSA☐ Consultant

N/A

N/A

N/A

Date:  Approved to Drill Test Hole: _____

REHS Signature

Date:  E-Log Received: _____

REHS Signature

Date: 4-17-25 Approved to Drill/Destroy Well:  cc: Norma Smith

REHS Signature

Drilling

Date: _____ Conductor Seal Approval: _____

REHS Signature

Date: _____ Annular/Destruction Seal Approval: _____

REHS Signature

Date: _____ Well Log Received: _____

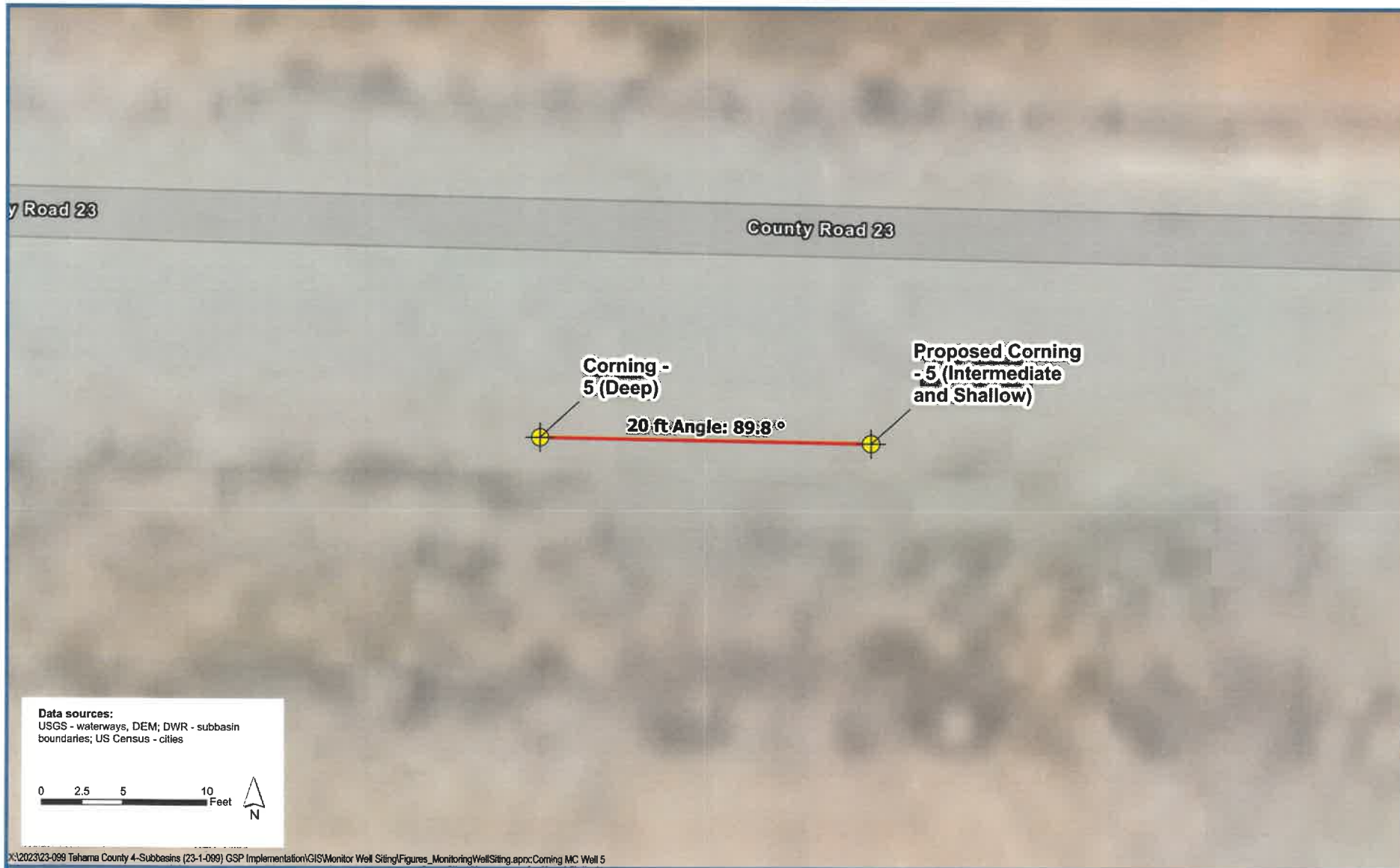
REHS Signature

Date: _____ Final Approval: _____

REHS Signature

Date: 4/9/25 Fee Paid: 200.77 Receipt #: B016999 Rec'd by: JH





39 7127343 -121.9427223

0323000059

FILE	26"
Name	0323000059
Whetstone	For
Zoning	AE 40
APN...CHN	032 300 005 000
AdoptedSGF	Unincorporated Agriculture
DN...SPLUT	1st Act
SPLIT ID	032 300 005 000
SPLITCOUNT	1
GIS...AS	288 49544
GIS...FLAG	
NOTE:	
Shape...Area	12575364.155664
Shape...Length	17425 956260



APPENDIX B

Water Well Drillers Completion Report



State of California
Well Completion Report
Form DWR 188 Submitted 08/01/2025
WCR2025-007778

Owner's Well Number: CORNING 5A MW

Date Work Began: 03/24/2025

Date Work Ended: 04/04/2025

Local Permit Agency: Glenn County Environmental Health Department

County: Glenn

Secondary Permit Agency:

Permit Number: MW2410-0001

Permit Date: 10/29/2024

Well Owner (must remain confidential pursuant to Water Code 13752)

Name: CORNING SUB-BASIN GSA

Address: 225 NORTH TEHAMA ST.

City: WILLOWS State: California Zip: 95988

Planned Use and Activity

Activity: New Production or Monitoring Well

Planned Use: Monitoring

Well Location

Address: 8550 CO RD 23

City: HAMILTON CITY Zip: 95951

Latitude: 39 Deg. 42 Min. 45.84183991 Sec. N

Dec. Lat. : 39.71273384

Vertical Datum:

Location Accuracy:

Longitude: -121 Deg. 57 Min. 45.48821475 Sec. W

Dec. Long. : -121.96263562

Horizontal Datum:

Location Determination Method:

APN: 0323000059

Township: 22N Range: 01W

Section: 34 BM: Mount Diablo

Ground Surface Elevation:

Elevation Accuracy:

Elevation Determination Method:

Borehole Information

Orientation: Vertical # of casings (Specify): 1

Drilling Method: Direct Rotary Drilling Fluid: Bentonite

Total Depth of Boring: 1180 Feet

Total Depth of Completed Well: 1145 Feet

Water Level and Yield of Completed Well

Depth to first water: (Feet below surface)

Depth to Static Water Level: (Feet)

Date Measured:

Estimated Yield*: (GPM) Test Type:

Test Length*: (Hours) Total Drawdown: (Feet)

*May not be representative of a well's long term yield.

Geologic Log - Free Form

Depth from Surface (Feet to Feet)		Description
0	95	GRAVEL AND SAND
95	130	SILTY CLAY
130	150	GRAVEL AND CLAY
150	180	SILTY CLAY

Depth from Surface (Feet to Feet)		Description
180	220	SAND AND GRAVEL
220	245	SILTY GRAVELLY SAND
245	260	GRAVELLY SAND
260	340	SILTY GRAVELLY SAND
340	360	GRAVELLY SAND
360	700	SILTY GRAVELLY SAND
700	1180	GRAVEL AND SAND WITH SILT STREAKS

Casings										
Casing #	Depth from Surface (Feet to Feet)		Casing Type	Material	Casings Specifications	Wall Thickness (inches)	Outside Diameter (inches)	Screen Type	Slot Size if any (inches)	Description
1	0	1120	Blank	PVC	Other	0.29	2.5			
1	1120	1140	Screen	PVC	Other	0.29	2.5	Milled Slots	0.03	
1	1140	1145	Blank	PVC	Other	0.29	2.5			W/ BULLNOSE
1	1140	1145	Blank	PVC	Other	0.29	2.5			W/ BULLNOSE

Annular Material					
Depth from Surface (Feet to Feet)		Fill	Fill Type Details	Filter Pack Size	Description
0	110	Cement	Portland Cement/Neat Cement		
110	1100	Filter Pack	8 x 12		
1100	1110	Bentonite	Other Bentonite		CHIPS
1110	1150	Filter Pack	8 x 12		
1150	1160	Bentonite	Other Bentonite		CHIPS
1160	1180	Other Fill	See description		NATIVE FILL

Other Observations:

Borehole Specifications		
Depth from Surface (Feet to Feet)		Borehole Diameter (inches)
0	1180	8.75

Certification Statement			
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.			
Name:	<u>WELL INDUSTRIES INC</u>		
	Person, Firm or Corporation		
<u>3282 HIGHWAY 32</u>	<u>CHICO</u>	<u>California</u>	<u>95973</u>
Address	City	State	Zip

electronic signature received
C-57 Licensed Water Well Contractor

Date Signed

License Number

DWR Use Only

CSG #	State Well Number				Site Code	Local Well Number			
				N				W	
Latitude Deg/Min/Sec					Longitude Deg/Min/Sec				

TRS:

APN:

Attachments

No Attachments

State of California
Well Completion Report
Form DWR 188 Submitted 08/01/2025
WCR2025-007780

Owner's Well Number: CORNING 5B MW

Date Work Began: 04/28/2025

Date Work Ended: 05/09/2025

Local Permit Agency: Glenn County Environmental Health Department

County: Glenn

Secondary Permit Agency:

Permit Number: MW2504-0001

Permit Date: 04/17/2025

Well Owner (must remain confidential pursuant to Water Code 13752)

Name: CORNING SUB-BASIN GSA

Address: 225 NORTH TEHAMA ST.

City: WILLOWS State: California Zip: 95988

Planned Use and Activity

Activity: New Production or Monitoring Well

Planned Use: Monitoring

Well Location

Address: 8550 CO RD 23

City: HAMILTON CITY Zip: 95951

Latitude: 39 Deg. 42 Min. 45.76234682
Sec. N

Dec. Lat. : 39.71271176

Vertical Datum:

Location Accuracy:

Longitude: -121 Deg. 57 Min. 45.20640562
Sec. W

Dec. Long. : -121.96255733

Horizontal Datum:

Location Determination Method:

APN: 0323000059

Township: 22N Range: 01W

Section: 34 BM: Mount Diablo

Ground Surface Elevation:

Elevation Accuracy:

Elevation Determination
Method:

Borehole Information

Orientation: Vertical # of casings (Specify): 3

Drilling Method: Direct Rotary Drilling Fluid: Bentonite

Total Depth of Boring: 400 Feet

Total Depth of Completed Well: 365 Feet

Water Level and Yield of Completed Well

Depth to first water: (Feet below surface)

Depth to Static Water Level: (Feet)

Date Measured:

Estimated Yield*: (GPM) Test Type:

Test Length*: (Hours) Total Drawdown: (Feet)

*May not be representative of a well's long term yield.

Geologic Log - Free Form

Depth from Surface (Feet to Feet)		Description
0	95	GRAVEL AND SAND
95	135	SILTY CLAY
135	150	GRAVEL AND CLAY
150	180	SILTY CLAY

Depth from Surface (Feet to Feet)		Description
180	220	SAND AND GRAVEL
220	250	SILTY GRAVELLY SAND
250	260	GRAVELLY SAND
260	340	SILTY GRAVELLY SAND
340	360	GRAVELLY SAND
360	400	SILTY GRAVELLY SAND

Casings										
Casing #	Depth from Surface (Feet to Feet)		Casing Type	Material	Casings Specifications	Wall Thickness (inches)	Outside Diameter (inches)	Screen Type	Slot Size if any (inches)	Description
1	0	50	Conductor or Fill Pipe	Low Carbon Steel	Grade: ASTM A53	0.25	24			SURFACE CONDUCTOR
2	0	190	Blank	PVC	Other	0.17	2			
2	190	210	Screen	PVC	Other	0.17	2	Milled Slots	0.03	
2	210	215	Blank	PVC	Other	0.17	2			W/ BULLNOSE
3	0	340	Blank	PVC	Other	0.29	2.5			
3	340	360	Screen	PVC	Other	0.29	2.5	Milled Slots	0.03	
3	360	365	Blank	PVC	Other	0.29	2.5	Milled Slots		W/ BULLNOSE

Annular Material					
Depth from Surface (Feet to Feet)		Fill	Fill Type Details	Filter Pack Size	Description
0	110	Cement	10.3 Sack Mix		
110	119	Bentonite	Other Bentonite		CHIPS
119	159	Filter Pack	8 x 12		
159	169	Bentonite	Other Bentonite		CHIPS
169	220	Filter Pack	8 x 12		
220	230	Bentonite	Other Bentonite		CHIPS
230	270	Filter Pack	8 x 12		
270	282	Bentonite	Other Bentonite		CHIPS
282	318	Filter Pack	8 x 12		
318	328	Bentonite	Other Bentonite		CHIPS
328	371	Filter Pack	8 x 12		
371	383	Bentonite	Other Bentonite		CHIPS
383	400	Other Fill	See description		NATIVE FILL

Other Observations:

Borehole Specifications		
Depth from Surface (Feet to Feet)		Borehole Diameter (inches)
0	50	36
50	400	12.25

Certification Statement			
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.			
Name:	<u>WELL INDUSTRIES INC</u>		
	Person, Firm or Corporation		
<u>3282 HIGHWAY 32</u>	<u>CHICO</u>	<u>California</u>	<u>95973</u>
Address	City	State	Zip
Signed:	<u>electronic signature received</u>	<u>08/01/2025</u>	<u>812678</u>
	C-57 Licensed Water Well Contractor	Date Signed	License Number

DWR Use Only											
CSG #		State Well Number				Site Code		Local Well Number			
						N					W
Latitude Deg/Min/Sec						Longitude Deg/Min/Sec					
TRS:											
APN:											

Attachments
No Attachments