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March 24, 2026

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United States Department of the Interior

Subject: *Fourth Quarter 2025 Well Performance Report, PG&E Topock Compressor Station, Needles, California (PGE20180115A)*

Dear Christopher Ioan and Veronica Dickerson:

Enclosed is the Fourth Quarter 2025 Well Performance Report for the Pacific Gas and Electric Company Topock Compressor Station located in Needles, California. In December 2021, startup began for Phase 1 of the groundwater remedy system including the start of National Trails Highway In Situ Reactive Zone system operation, maintenance, and monitoring to address hexavalent chromium in groundwater. Operation of the In Situ Reactive Zone injection and extraction wells continued in Fourth Quarter 2025.

In accordance with the reporting requirements outlined in the Basis of Design Report/Final (100%) Design Submittal for the Final Groundwater Remedy, this well performance report presents an overview of the groundwater remedy and well maintenance objectives; a summary of Fourth Quarter 2025 well operations, maintenance, and performance monitoring activities; and recommendations and planned activities for the next reporting period.

Please contact me at (925) 302-3659 if you have any questions about the well performance report.

Sincerely,

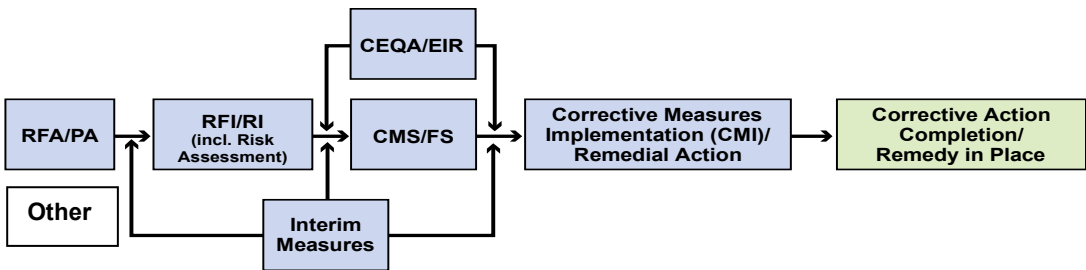
A handwritten signature in black ink, appearing to read 'Veen Chee Foong', is written over a light blue horizontal line.

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Cc: Greg Neal/DTSC
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Topock Project Executive Abstract

Document Title:	Fourth Quarter 2025 Well Performance Report, PG&E Topock Compressor Station, Needles CA
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Is this a regulatory requirement?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, why is the document needed?
What is the consequence of NOT doing this item? What is the consequence of DOING this item?	Submittal of this report is a compliance requirement under DTSC and DOI requirements.
Other Justification/s:	<input type="checkbox"/> Permit <input type="checkbox"/> Other / Explain:
Brief Summary of Attached Document:	In December 2021, startup began for Phase 1 of the groundwater remedy system including start of National Trails Highway In Situ Reactive Zone system operation, maintenance, and monitoring to address hexavalent chromium in groundwater. Operation of the In Situ Reactive Zone injection and extraction wells continued in Fourth Quarter 2025. In accordance with the reporting requirements outlined in the Basis of Design Report/Final (100%) Design Submittal, this well performance report presents an overview of the groundwater remedy and well maintenance objectives; a summary of Fourth Quarter 2025 well operations, maintenance, and performance monitoring activities; and recommendations and planned activities for the next reporting period. Written by: PG&E

Recommendations:	None.
How is this information related to the Final Remedy or Regulatory Requirements?:	This report is required by DTSC and DOI as part of the Basis of Design Report/Final (100%) Design Submittal for the Final Groundwater Remedy.
Other requirements of this information?:	None.
Related Reports and Documents:	<p>Click any boxes in the Regulatory Road Map (below) to be linked to the Documents Library on the DTSC Topock Web Site (www.dtsc-topock.com).</p>  <pre> graph LR RFA[RFA/PA] --> RFI[RFI/RI (incl. Risk Assessment)] Other[Other] --> RFI RFI --> CMS[CMS/FS] Interm[Interim Measures] --> CMS CMS --> CMI[Corrective Measures Implementation (CMI)/ Remedial Action] CEQA[CEQA/EIR] --> CMS CEQA --> CMI CMI --> Final[Corrective Action Completion/ Remedy in Place] </pre> <p>Legend RFA/PA – RCRA Facility Assessment/Preliminary Assessment RFI/RI – RCRA Facility Investigation/CERCLA Remedial Investigation (including Risk Assessment) CMS/FS – RCRA Corrective Measure Study/CERCLA Feasibility Study CEQA/EIR – California Environmental Quality Act/Environmental Impact Report</p>

Version 9

Pacific Gas and Electric Company

Fourth Quarter 2025 Well Performance Report

**Topock Compressor Station
Needles, California**

March 24, 2026

Fourth Quarter 2025 Well Performance Report

Topock Compressor Station

Needles, California

March 24, 2026

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Acronyms and Abbreviations

CH2M Hill	CH2M Hill, Inc.
Cr6	hexavalent chromium
DOI	U.S. Department of the Interior
DTSC	California Department of Toxic Substances Control
Final BOD	Basis of Design Report/Final (100%) Design Submittal for the Final Groundwater Remedy
gpm	gallon per minute
IRZ	In Situ Reactive Zone
mg/L	milligram per liter
NTH	National Trails Highway
O&M	operation and maintenance
PG&E	Pacific Gas and Electric Company
Site	Pacific Gas and Electric Company Topock Compressor Station, located in eastern San Bernardino County, 15 miles southeast of the City of Needles, California
TOC	total organic carbon

1 Introduction

Pacific Gas and Electric Company (PG&E) is implementing a final groundwater remedy to address hexavalent chromium (Cr6) in groundwater near the PG&E Topock Compressor Station located in eastern San Bernardino County, 15 miles southeast of the City of Needles, California (the Site). PG&E is implementing the groundwater remedy at the Site in conformance with the requirements of the Resource Conservation and Recovery Act and the Comprehensive Environmental Response, Compensation, and Liability Act. The U.S. Department of the Interior (DOI) and the California Department of Toxic Substances Control (DTSC) executed a Memorandum of Understanding on November 22, 2011, which established coordination guidelines for overseeing implementation of a groundwater response action at the Site (DTSC and DOI 2011). In a coordinated effort, DOI and DTSC selected the final groundwater remedy to address Cr6 in groundwater, which is presented in the Record of Decision (DOI 2010).

In November 2015, PG&E submitted a Basis of Design Report/Final (100%) Design Submittal for the Final Groundwater Remedy (Final BOD), which presents the design basis, design criteria, drawings, specifications, and operation and maintenance (O&M) requirements for the groundwater remedy (CH2M Hill, Inc. [CH2M Hill] 2015a). The infrastructure for the groundwater remedy is being constructed following the plans and procedures documented in the Construction/Remedial Action Work Plan (CH2M Hill 2015b). Construction and startup of the groundwater remedy is proceeding in phases.

Construction of Phase 1 began in October 2018 and was completed sufficiently in December 2021 for initial system startup. Design modifications were incorporated during construction to accommodate actual conditions encountered, including a plume footprint smaller than that documented in the Final BOD (CH2M Hill 2015a). As a result, the National Trails Highway (NTH) In Situ Reactive Zone (IRZ) system was installed with 10 fewer wells than planned in the Final BOD, with these 10 wells being deferred from Phase 1 of construction.

The NTH IRZ is a recirculation system in which water is extracted from up to five NTH IRZ extraction wells, amended with carbon substrate, and injected into up to 25 NTH IRZ injection intervals. In triple-screened wells (IRZ-25 and IRZ-27), two of the three well screens are combined into a single interval using a packer. The NTH IRZ extraction wells include IRZ-9, IRZ-13S, IRZ-13D, IRZ-23, and pilot test well PTI-1D.

Injection well intervals include IRZ-15 (upper), IRZ-15 (lower), IRZ-16 (upper), IRZ-16 (lower), IRZ-17 (upper), IRZ-17 (lower), IRZ-18 (upper), IRZ-18 (lower), IRZ-20 (upper), IRZ-20 (lower), IRZ-21 (upper), IRZ-21 (lower), IRZ-25 (upper/upper middle), IRZ-25 (lower), IRZ-27 (upper), IRZ-27 (middle/lower), IRZ-29 (upper), IRZ-29 (lower), IRZ-31 (upper), IRZ-31 (lower), IRZ-33 (upper), IRZ-33 (lower), IRZ-35, IRZ-37, and IRZ-39.

A site layout, including locations of the extraction wells, the remedy-produced water conditioning system, and the carbon amendment system, is shown on Figure 1.1.

In December 2021, startup began for Phase 1 of the groundwater remedy system including operation, maintenance, and monitoring of the NTH IRZ system. O&M is being performed in accordance with the O&M Manual (Appendix L, Volume 1 of the Final BOD; CH2M Hill 2015a). This report documents well maintenance and well performance from October 1 to December 31, 2025 (Fourth Quarter 2025), in accordance with the O&M Manual (Appendix L, Volume 1 of the Final BOD; CH2M Hill 2015a). The remainder of this report is organized into the following sections:

- Section 2 provides an overview of the well maintenance program.
- Section 3 summarizes the well performance and maintenance of the NTH IRZ remediation wells.

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- Section 4 summarizes the well performance and maintenance of the monitoring wells.
- Section 5 provides recommendations for modifications to the well maintenance program and planned activities for the next quarterly reporting period.
- Section 6 provides the references for the documents cited throughout this report.

2 NTH IRZ Well Maintenance Program

The well maintenance program consists of routine maintenance and performance tracking, including tracking well performance over time, collecting analytical data, and inspecting wells to evaluate well integrity over time. This section summarizes these activities.

2.1 Routine Maintenance

Well maintenance is incorporated into the routine operations of the NTH IRZ. Exhibit 2.1 in this section summarizes estimated maintenance activity frequencies for the NTH IRZ wells as presented in the O&M Manual (Appendix L, Volume 1 of the Final BOD; CH2M Hill 2015a). Injection wells are prone to fouling as the injection of organic carbon stimulates the growth of bacteria, generation of gases such as carbon dioxide, and formation of mineral precipitates. To mitigate fouling resulting from these processes, the routine maintenance plan includes backwashing and mechanical and chemical rehabilitation. Injection wells are backwashed by extracting groundwater for a short period using a downhole pump to loosen and remove sediments and deposits present on the well screen or in the filter pack. Backwashing of injection wells was initially anticipated to occur weekly during operations (Exhibit 2.1). Mechanical rehabilitation of wells involves physical agitation and subsequent removal of dislodged and detached deposits. Chemical rehabilitation uses additives to remove deposits (for example, by increasing solubility). Mechanical and chemical rehabilitation were planned to occur after periods of extended injection well operation and before planned extended downtime (approximately every 6 months to 1.5 years; see Exhibit 2.1). However, as discussed in the O&M Manual (Appendix L, Volume 1 of the Final BOD; CH2M Hill 2015a), the frequency and manner of injection well rehabilitation are subject to change in response to well performance monitoring data, which are detailed in Section 2.2. Currently, maintenance is performed more frequently than what was planned in the initial schedule that was presented in the O&M Manual (Appendix L, Volume 1 of the Final BOD; CH2M Hill 2015a), as summarized in Exhibit 2.1.

Extraction wells are less prone to fouling and, as such, the frequency of routine rehabilitation for extraction wells is significantly lower than that for the injection wells. The O&M Manual (Appendix L, Volume 1 of the Final BOD; CH2M Hill 2015a) recommended mechanical rehabilitation (i.e., pumping and surging) for as-needed maintenance of the extraction wells. Chemical rehabilitation may be warranted in some cases.

Exhibit 2.1 Routine Maintenance Matrix for Injection and Extraction Wells from the Final BOD

	Injection Well Backwashing Frequency	Injection Well Chemical/Mechanical Rehabilitation Frequency	Extraction Well Mechanical Rehabilitation Frequency
Initial frequency	Weekly	6 months to 1.5 years	As needed
Current frequency	Three times per week	3 to 5 months	As needed

2.2 Long-Term Performance Tracking

Well performance is tracked to establish well performance trends, identify potential performance declines within the NTH IRZ system, and inform the frequency and methods used for routine well maintenance (see Section 2.1). Long-term performance tracking consists of specific capacity monitoring, water quality monitoring, and wellhead inspection. Exhibit 2.2 in this section presents the minimum planned frequency of these activities, and specific capacity and water quality monitoring are detailed in the following subsections.

Exhibit 2.2 Performance Monitoring Frequencies

Performance Monitoring Activity	Injection Wells	Extraction Wells
Specific capacity evaluation	Monthly	Monthly
Water quality monitoring	Baseline, then as needed	Baseline as well as the following: Monthly TOC, manganese, iron, and field parameter screening in 2022 and First and Second Quarters 2023, then quarterly for the remainder of 2023, then annually or as needed thereafter. Annual or as-needed biological and geochemical sampling. Annual or as-needed biological activity tests, sand content tests, and modified fouling index tests.
Wellhead inspection	Quarterly	Quarterly

Notes:

1. Field parameters include temperature, pH, specific conductance, turbidity, dissolved oxygen, and oxidation–reduction potential.
 2. Biological and geochemical sampling parameters for extraction wells include TOC, total dissolved solids, iron and manganese (total and dissolved), cations (calcium, potassium, magnesium, and sodium; total), anions (chloride, fluoride, bromide, nitrate, nitrite, and sulfate), alkalinity (total, carbonate, and bicarbonate), and hardness as calcium carbonate. Parameters measured only at baseline include Title 22 metals (total and dissolved), sulfide, phosphate, total phosphorus, silica, ammonia as nitrogen, total Kjeldahl nitrogen, and biochemical oxygen demand.
 3. Baseline sampling included parameters listed in Notes 1 and 2.
- TOC = total organic carbon

2.2.1 Specific Capacity Monitoring

One measure that is used to assess well performance is a specific capacity evaluation. The specific capacity for each extraction or injection well is determined by the rate of extraction or injection per unit of drawdown or draw-up in the well. Mathematically, this is calculated using the following equation.

$$\text{Specific Capacity} \left(\frac{\text{gpm}}{\text{ft}} \right) = \frac{\text{discharge rate (gpm)}}{\text{operating water level (ft)} - \text{static water level (ft)}}$$

where:

ft = foot/feet

gpm = gallon per minute

As discussed in the First Quarter 2022 Well Performance Report (Arcadis 2022a), baseline specific capacities are determined for each extraction and injection well once the wells are operating consistently and the flowrates and water levels stabilize. Baseline capacities were established in Second Quarter 2022 for wells that operated continuously for most of the quarter including IRZ-13S, IRZ-13D, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-23, IRZ-27, IRZ-29, IRZ-31, IRZ-33, IRZ-35, and IRZ-37 (Arcadis 2022b, 2022c). Baseline capacities were modified in Third Quarter 2022 for extraction wells IRZ-13S, IRZ-13D, and IRZ-23 as explained in the Third Quarter 2022 Well Performance Report (Arcadis 2022d). Baseline capacities were established for IRZ-15 (upper), IRZ-15 (lower), and IRZ-39 in Second Quarter 2023, Third Quarter 2023, and First Quarter 2025, respectively, following continuous injection into these intervals at their target flowrates for an extended period of time. Extraction well PTI-1D began operation in Fourth Quarter 2023, and a baseline capacity was established in December 2023 following approximately 2 months of operation. Extraction well IRZ-9 and injection wells IRZ-21 and IRZ-25 have not operated continuously since NTH IRZ operations began; therefore, sufficient data are not available to establish baseline specific capacities for these wells. Baseline specific capacities for extraction well IRZ-9 and injection wells IRZ-21 and IRZ-25 will be established once these wells are operating continuously and conditions have stabilized.

Static water levels were collected for each injection and extraction well during well development. Static water levels vary naturally depending on the time of year. To account for this natural variation and to use the most conservative static water level, the static water levels collected before system operation were all adjusted to be representative of a low river stage condition (i.e., conditions in January) at the Site. This was done by reviewing historical water-level data and calculating an adjustment factor based on that historical data. Specific capacity values may be affected by planned operational changes to the NTH IRZ wells such as the setting of a new target flowrate. When this occurs, baseline specific capacity values may be adjusted.

Starting in Third Quarter 2022, specific capacities for each well have been calculated and compared to the baseline values to assess well performance decline over time. In accordance with the O&M Manual (Appendix L, Volume 1 of the Final BOD; CH2M Hill 2015a), well performance has previously been classified as “good” (specific capacity greater than or equal to 90 percent of baseline), “fair” (specific capacity between 80 and 90 percent of baseline), or “poor” (specific capacity less than 80 percent of baseline) based on the monthly average specific capacity. This initial classification system is oversimplified and no longer practical for identifying and prioritizing NTH IRZ wells for maintenance. Since startup of the NTH IRZ system in December 2021, the frequencies of routine injection well maintenance activities have been increased (see Exhibit 2.1) and well rehabilitation procedures have been enhanced (e.g., increased surging time, added jetting) for the injection wells.

Starting in Fourth Quarter 2024, the “good,” “fair,” and “poor” designations have no longer been presented as a metric for evaluating performance of the NTH IRZ wells or effectiveness of the well maintenance procedures at each well. Instead, specific capacities are reviewed in tandem with well flowrate and water-level trends over time with the overarching goal of maintaining overall NTH IRZ injection system performance.

2.2.2 Water Quality Monitoring

Water quality monitoring, including field parameter screening and sample collection for laboratory analysis, provides data to help diagnose well clogging issues and determine corrective measures. Baseline water quality sampling included biological, geochemical, and field parameters as specified in Exhibits 4.1-1 and 4.1-2 of the O&M Manual (Appendix L, Volume 1 of the Final BOD; CH2M Hill 2015a). Extraction wells are sampled annually or as needed, as summarized in Exhibit 2.2 and in alignment with the O&M Manual (Appendix L, Volumes 1 and 2 of the Final BOD; CH2M Hill 2015a), for extraction of constituents associated with the in situ injections including TOC and dissolved metals. Samples were collected during Fourth Quarter 2025 and analyzed for select parameters according to standard operating procedures presented in Appendix B of the Groundwater Remedy Phase 1 Interim Monitoring Plan (Arcadis 2021) and the Final PG&E Program Quality Assurance Project Plan and addendum (CH2M Hill 2014; Critigen 2020). Sample results are discussed in Section 3.2.3 of this report.

3 NTH IRZ Well Performance

This section summarizes NTH IRZ system operational changes, well specific capacities, and water quality monitoring that occurred during Fourth Quarter 2025.

3.1 System Operation Summary

Routine operation of the NTH IRZ system continued throughout Fourth Quarter 2025 with extraction wells IRZ-23 and IRZ-13D and injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-31, IRZ-37, and IRZ-39. Southern NTH IRZ injection wells IRZ-29, IRZ-33, and IRZ-35 remained cycled off for a rest period, in accordance with the Final BOD (CH2M Hill 2015a), because they were not needed to manage groundwater extracted by the NTH IRZ system and prolonged treatment had been observed in the area of these wells.

Routine operation during Fourth Quarter 2025 prioritized maintaining target extraction rates at IRZ-23, followed by IRZ-13D, to enhance plume control, and NTH IRZ injection wells were operated at their target flowrates, when possible, to accommodate the extracted water¹. The total recirculation flowrate varied because maintenance requiring operational downtime was performed at select NTH IRZ injection wells. This maintenance consisted of full chemical and mechanical well rehabilitation (typically 1 to 2 weeks of downtime per well). Extraction well IRZ-13D operated intermittently in Fourth Quarter 2025 to provide hydraulic control of the deep lobe of the Cr6 plume to the north. IRZ-13S was not operated in Fourth Quarter 2025 to prioritize operation of IRZ-23 and IRZ-13D.

In October 2025, the operating northern and southern NTH IRZ injection wells continued to be dosed with ethanol biweekly (every other week) and once weekly, respectively. Beginning on October 30, 2025, southern NTH IRZ injection wells IRZ-27 and IRZ-39 were dosed three times every 2 weeks to address concentrations of Cr6 near IRZ-27 and nitrate near IRZ-39. Dosing was implemented to achieve a time-weighted target average concentration of 13 to 39 milligrams per liter (mg/L) of TOC, which is approximately 15 to 40 percent of the nominal design dosing specified in the Final BOD (CH2M Hill 2015a). A total of 344 gallons of ethanol were injected in Fourth Quarter 2025. System run time, ethanol and recirculated groundwater injection volumes, and average flowrates are summarized in Table 3.1. An NTH IRZ system operations and non-routine maintenance log is presented in Table 3.2.

Chemical and mechanical well rehabilitation occurred at the following NTH IRZ injection wells in Fourth Quarter 2025: IRZ-15, IRZ-20, IRZ-27, IRZ-31, IRZ-37, and IRZ-39. Average systemwide uptime was 94 percent in Fourth Quarter 2025². The following notable events occurred in Fourth Quarter 2025:

- Planned maintenance work caused systemwide shutdowns on the following dates:
 - October 8 through October 9 (21.1 hours);
 - October 9 (6.8 hours);
 - October 10 (1.0 hours);
 - October 22 through October 24 (54.9 hours);

¹ In Fourth Quarter 2025, target flowrates for the northern NTH IRZ injection wells were based on the nominal design flowrates specified in the Final BOD (CH2M Hill 2015a). Target flowrates for the southern NTH IRZ injection wells were based on 150 percent of the nominal design flowrates specified in the Final BOD.

² Systemwide uptime is calculated using total run time hours (run time in hours is calculated from extraction well operating hours) divided by total possible run time hours in Fourth Quarter 2025.

- December 10 (7.0 hours); and
- December 22 (6.2 hours).
- Rain infiltration during storm events caused systemwide shutdowns on the following dates:
 - November 15 through November 16 (17.2 hours);
 - November 16 (2.3 hours);
 - November 18 (1.9 hours);
 - November 21 (1.6 hours); and
 - December 24 through December 25 (12.8 hours).

3.2 NTH IRZ Extraction Well Performance

Extraction wells operated as part of Phase 1 of the groundwater remedy include IRZ-9, IRZ-13S, IRZ-13D, IRZ-23, and pilot test well PTI-1D. Extraction well run time, volume of extracted groundwater, and average extraction well flowrate (per month) are documented in Table 3.1. A discussion of observed extraction well performance in Fourth Quarter 2025 is provided in the following subsections.

3.2.1 Extraction Well O&M and Specific Capacity Summary

As described in Section 2.2.1 of this report, average specific capacities from July 2022 were established as the baseline specific capacities for extraction wells IRZ-23, IRZ-13S, and IRZ-13D. A baseline specific capacity was established for PTI-1D in December 2023. A baseline specific capacity has not yet been established for extraction well IRZ-9 due to limited and inconsistent operation of this well since NTH IRZ system operations began.

Graphs of average daily specific capacity over time for extraction wells IRZ-13S, IRZ-13D, IRZ-23, and pilot test well PTI-1D are presented on Figure 3.1 (Third Quarter 2022 through Fourth Quarter 2025). Average daily specific capacities are presented as percentages of the baseline specific capacities for each well. To date, changes in extraction well specific capacity have been a function of variations in target flow and river stage, as detailed below, rather than an indicator of well fouling:

- **IRZ-23** operated throughout Fourth Quarter 2025 with only minimal downtime as noted in Table 3.1. The monthly average flowrate during operation ranged from 55 to 59 gpm. IRZ-23 was operated near the target flowrate of approximately 60 gpm or higher. The increase in specific capacity observed at IRZ-23 over Fourth Quarter 2025 is attributed to decreasing river stage.
- **IRZ-13S** was not operated in Fourth Quarter 2025, except during quarterly sampling in November 2025.
- **IRZ-13D** was operated intermittently in Fourth Quarter 2025, with monthly average flowrates during operation ranging between 9 and 12 gpm. The specific capacity exceeded 100 percent of baseline for a portion of the quarter. Specific capacities less than 100 percent of baseline occurred when IRZ-13D was operated at lower target flowrates.
- **PTI-1D** was not operated in Fourth Quarter 2025, except during monthly sampling in October, November, and December 2025 (see Section 3.2.4).

In accordance with the Final BOD (CH2M Hill 2015a), routine maintenance of extraction wells could include pump-and-surge redevelopment as needed. No routine maintenance was performed on the extraction wells in Fourth Quarter 2025.

3.2.2 Extraction Well Inspections

Extraction wells are inspected quarterly (at a minimum) for visible leaks and damage. Any notable damage or equipment needing replacement is identified in Table 3.2. Leak detection switches within the vaults are also used to identify maintenance needs in a timely manner. There was no notable damage to the extraction wells, and no non-routine maintenance was performed on these wells during Fourth Quarter 2025.

3.2.3 Extraction Well Water Quality

The potential for increased well fouling, resulting from the extraction of groundwater with residual carbon substrate and/or reduced metals from the nearby carbon injection activity, is monitored during system operations. This monitoring includes measuring TOC and metal byproduct concentrations at the extraction wells. The Fourth Quarter 2025 Quarterly Progress Report (Arcadis 2026) provides the extraction well monitoring analytical results; however, the results are also summarized and discussed herein.

Baseline analytical data for extraction wells are provided in Table 3.4 of the First Quarter 2022 Well Performance Report (Arcadis 2022a) and in Exhibit 3.1 in this section (key indicator parameters only). Baseline analytical data were collected during December 2021, January 2022, March 2022, and November 2023, when extraction wells were brought online (Exhibit 3.1).

Exhibit 3.1 in this section presents the Fourth Quarter 2025 analytical results from extraction wells IRZ-9, IRZ-23, IRZ-13S, IRZ-13D, and PTI-1D. Extraction wells IRZ-9, IRZ-23, IRZ-13S, and IRZ-13D were sampled in November 2025 (quarterly), and PTI-1D was sampled in October, November, and December 2025 (monthly).

At the extraction wells, total iron, dissolved iron, and dissolved manganese concentrations were generally lower than the reporting limits or baseline concentrations, except for low concentrations of dissolved manganese at IRZ-9 and IRZ-13S and a low concentration of total iron at IRZ-13D. These results are not indicative of fouling because IRZ-9 and IRZ-13S did not operate in Fourth Quarter 2025 prior to the sampling event, and the total iron concentration at IRZ-13D was within the range of previous concentrations observed in the well. Although baseline TOC concentrations are not available for the extraction wells, TOC concentrations in these wells remained below detectable levels in Fourth Quarter 2025. Overall, the TOC data do not exhibit trends that may be indicative of well fouling. Therefore, no adjustments to operations of the extraction wells were needed in Fourth Quarter 2025 based on the water quality results.

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Exhibit 3.1 Fourth Quarter 2025 NTH IRZ Extraction Well Analytical Results

Extraction Well	Sample Date	Active Time Operating (percent)	TOC: Method 5310B (mg/L)	Total Iron (mg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (mg/L)
IRZ-9	Baseline: January 2022	9	--	Less than 0.02	Less than 0.02	0.0027
IRZ-9	Range (Baseline to Date)	--	Less than 1 to 4.3 J	Less than 0.02 to 0.84	Less than 0.02 to 0.76	Less than 0.0005 to 0.0097
IRZ-9	November 2025	0.25	Less than 1	Less than 0.02	Less than 0.02	0.0097
IRZ-23	Baseline: December 2021	8	--	0.69	0.091 J	Less than 0.0005
IRZ-23	Range (Baseline to Date)	--	Less than 1 to 3.4	Less than 0.02 to 1.2 J	Less than 0.02 to 0.091 J	Less than 0.0005
IRZ-23	November 2025	96	Less than 1	Less than 0.02	Less than 0.02	Less than 0.0005
IRZ-13S	Baseline: March 2022	53	--	0.06	Less than 0.02	Less than 0.0005
IRZ-13S	Range (Baseline to Date)	--	Less than 1 to 2.6	Less than 0.02 to 1.2 J	Less than 0.02 to 0.044	Less than 0.0005 to 0.0064 J
IRZ-13S	November 2025	0.32	Less than 1	0.042 J	Less than 0.02	0.0013
IRZ-13D	Baseline: March 2022	53	--	Less than 0.02	0.059 J	0.062
IRZ-13D	Range (Baseline to Date)	--	Less than 1 to 3.0	Less than 0.02 to 0.63	Less than 0.02 to 0.059 J	Less than 0.0005 to 0.062
IRZ-13D	November 2025	38	Less than 1	0.14 J	Less than 0.02	0.0014
PTI-1D	Baseline: November 2023	94	--	1.3	1.1	4.2 J
PTI-1D	Range (Baseline to Date)	--	--	0.084 to 1.9 J	0.083 to 1.1	0.55 to 4.2 J
PTI-1D	October 2025	0.37	--	0.20	0.18	0.69
PTI-1D	November 2025	0.06	--	0.21 J	0.21 J	0.64
PTI-1D	December 2025	0.27	--	0.20	0.19	0.64

Notes:

Range is the concentration range for the indicated well from baseline to date. Results shown are the Fourth Quarter 2025 analytical results for the indicated well.

-- = not analyzed

J = estimated concentration

Table 3.3 includes field parameter data (temperature, pH, specific conductance, turbidity, dissolved oxygen, and redox potential) for extraction wells collected during Fourth Quarter 2025.

3.2.4 PTI-1D Operations

Starting on November 2, 2023, PG&E began extracting groundwater from pilot test extraction well PTI-1D, in accordance with the PTI-1D Floodplain Extraction Test Workplan (Arcadis 2023a), to improve hydraulic control of the Cr6 plume. On September 20, 2024, PG&E requested to continue the PTI-1D extraction test for as long as warranted to allow for ongoing Cr6 concentration reductions at key wells (e.g., PT5D and MW-44-115), particularly during low river stage (PG&E 2024). In October 2024, the DTSC and DOI conditionally approved a 1-year extension of the PTI-1D extraction test (DTSC 2024; DOI 2024). On November 17, 2025, the DTSC approved an additional 2-year extension of the PTI-1D extraction test for contingency operation of PTI-1D on an as-needed basis (DTSC 2025).

Hydraulic and analytical data collected as part of the PTI-1D extraction test have demonstrated that the test objectives have been achieved as discussed in further detail in the quarterly progress reports. On June 16, 2025, PTI-1D was turned off to accommodate an extended aquifer test at IRZ-9 and has remained offline since (except for monthly sampling). IRZ-23 continues to be operated to maintain control of the remaining Cr6 plume in the floodplain. PTI-1D and other wells in the vicinity continued to be sampled in Fourth Quarter 2025, and the results are discussed in the Fourth Quarter 2025 Quarterly Progress Report (Arcadis 2026).

3.3 NTH IRZ Injection Well Performance

Phase 1 of the groundwater remedy includes NTH IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-21, IRZ-25, IRZ-27, IRZ-29, IRZ-31, IRZ-33, IRZ-35, IRZ-37, and IRZ-39. Injection well run time, including average flowrates, is documented in Table 3.1. A discussion of observed injection well performance in Fourth Quarter 2025 is provided in the following subsections.

3.3.1 Well Maintenance Procedures

In accordance with recommendations made in the Fourth Quarter 2024 Well Performance Report (Arcadis 2025a), the current well rehabilitation program is as follows:

- Complete quarterly mechanical and chemical rehabilitation at injection wells IRZ-17, IRZ-18, IRZ-27, IRZ-29, IRZ-31, and IRZ-33 (when these wells are operating) using the updated rehabilitation procedure described in Section 3.3.1.1.
- Complete mechanical and chemical rehabilitation approximately every 4 to 5 months at injection wells IRZ-15, IRZ-16, IRZ-20, IRZ-35, and IRZ-37 (when these wells are operating) using the updated rehabilitation procedure described in Section 3.3.1.1.

Additionally, IRZ-39 was brought online in Fourth Quarter 2024 and undergoes complete mechanical and chemical rehabilitation every 5 to 6 months (when this well is operating) using the updated rehabilitation procedure described in Section 3.3.1.1. No notable rehabilitation schedule adjustments occurred in Fourth Quarter 2025. However, due to scheduling constraints, some wells were rehabilitated at frequencies different from their planned frequency.

As discussed in the Fourth Quarter 2024 Well Performance Report (Arcadis 2025a), the rehabilitation procedure was updated in First Quarter 2025 because a subset of injection wells were unable to sustain target flowrates for a prolonged period of time following rehabilitation. Camera surveys indicated that the previous rehabilitation procedure continued to be effective in removing fouling from within the well screens. Thus, the decline in the

performance of certain wells is likely due to fouling in the filter packs and/or surrounding formation, which is not visible via a camera survey. The updated rehabilitation procedure included the addition of new chemicals, as described in Section 3.3.1.1, and a new jetting tool with nozzle inserts that allow for jetting at velocities of 208 and 324 feet per second.

3.3.1.1 Well Rehabilitation Procedure

Rehabilitation for each well involves the following process.

- Confirm the injection well is offline and confirm the affiliated well water and electrical lines have been locked out and tagged out by appropriate personnel.
- Open the well vault and begin continuous air monitoring.
- Remove the downhole equipment, including the packer (if applicable), drop pipe, and pump(s), from injection well. During its removal, inspect the equipment for corrosion, damage, deposits, and/or odor. Brush, clean, and/or pressure-wash the equipment if needed.
- Mechanically clean the well casing and screen section(s) using a double-surge block.
- Jet the mixed well chemical solution down the well using a jetting tool, first into the lower well screen, then the upper screen, and surge the screen intervals.
- Following jetting, install a dual-swab block brush and swab the screen intervals.
- If using a packer, reinstall the packer following jetting and swabbing of the chemicals in all screens.
- Allow the chemicals to sit in the well overnight. The following day, check the pH of the screen intervals.
- Once the pH is greater than 3, remove the packer (if applicable) and conduct mechanical rehabilitation. Add fresh water as needed to adjust the pH.
- Pump the purge water into backwash piping.
- Reinstall the downhole well equipment and restart the well.

The well chemical solution used for each injection well through Fourth Quarter 2024 included fresh water, NuWell phosphoric acid, and a NuWell biodispersant. Starting in First Quarter 2025, a NuWell surfactant was added to that well chemical solution due to its ability to lower surface tension and, thereby, more effectively address biofouling. Jetting was added to the well rehabilitation procedure starting in Third Quarter 2023 to distribute the chemical solution further into the filter pack and reduce fouling in the filter pack.

In First Quarter 2025, a NuWell hydrochloric acid was used instead of the NuWell phosphoric acid at select injection wells that were identified as unable to sustain target flowrates for an extended period after rehabilitation (IRZ-17, IRZ-18, and IRZ-31). Results regarding the relative effectiveness of the hydrochloric acid have been mixed, and enhancements to the rehabilitation methodologies continue to be evaluated. Future use of hydrochloric acid for chemical rehabilitation will be limited to cases where wells are heavily fouled and unable to maintain target flowrates post-rehabilitation.

As discussed in the Third Quarter 2025 Well Performance Report (Arcadis 2025b), injection well IRZ-20 was sampled prior to rehabilitation on September 30, 2025, and the collected materials (solid deposits and water) were submitted to Water Systems Engineering for detailed evaluation to inform well-specific rehabilitation recommendations. Sampling of injection wells IRZ-16, IRZ-17, IRZ-31, and IRZ-37 is planned for First Quarter 2026 as each well is taken offline for rehabilitation. Recommended enhancements to the rehabilitation

methodology will be implemented as analytical results are received, and both the enhancements and their effectiveness will be discussed in future well performance reports.

3.3.2 Injection Well O&M and Specific Capacity Summary

Injection wells operating during Fourth Quarter 2025 included IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-31, IRZ-37, and IRZ-39. Injection wells were taken offline as needed throughout the quarter for well rehabilitation. Injection wells IRZ-29, IRZ-33, and IRZ-35 remained cycled off for a rest period in accordance with the Final BOD (CH2M Hill 2015a). Injection wells IRZ-21 and IRZ-25 have yet to be operated and remained offline throughout the quarter to avoid fouling of the adjacent IRZ-23 extraction well.

Routine injection well maintenance during Fourth Quarter 2025 included backwashing of injection wells during system operation as detailed in Table 3.2. Each operating injection well was backwashed to remove solids that may have accumulated in the well screen and gravel pack during injections. Backwashing occurred three times weekly when time allowed, an increase from the estimated once weekly backwash described in Section 2.1, to proactively manage well health and water levels at injection wells.

Routine operation for injection wells includes daily monitoring of injection flowrates and water levels. Graphs of average daily specific capacity over time for operating injection wells with an established baseline specific capacity are plotted on Figures 3.2 through 3.4 (Third Quarter 2022 through Fourth Quarter 2025). Average daily specific capacities are plotted as percentages of the baseline specific capacities established in 2022, 2023, or 2025.

Injection wells rehabilitated in Fourth Quarter 2025 included IRZ-15, IRZ-20, IRZ-27, IRZ-31, IRZ-37, and IRZ-39. The procedures used for well rehabilitation are provided in Section 3.3.1.1. Rehabilitation resulted in increased injection well specific capacities in Fourth Quarter 2025, as shown on Figures 3.2 through 3.4 and described below:

- Specific capacity for injection well IRZ-15 (upper) was greater than 80 percent of baseline prior to rehabilitation and remained greater than 80 percent of baseline following rehabilitation. Specific capacity for injection well IRZ-15 (lower) increased following rehabilitation (and flowrate also increased compared to the pre-rehabilitation rate); however, specific capacity did not return to greater than 80 percent of baseline.
- Specific capacity for injection well IRZ-20 (upper) increased following rehabilitation (and flowrate also increased compared to the pre-rehabilitation rate) but did not immediately return to greater than 80 percent of baseline. Specific capacity at IRZ-20 (upper) continued to improve throughout the quarter and reached above 80 percent of baseline as the target flowrate was incrementally increased. Specific capacity for injection well IRZ-20 (lower) did not increase following rehabilitation.
- Specific capacity for injection well IRZ-27 (lower) increased following rehabilitation (and flowrate also increased compared to the pre-rehabilitation rate); however, specific capacity did not return to greater than 80 percent of baseline, and the improvement in specific capacity following rehabilitation has declined significantly since the previous rehabilitation event in March to April 2025. Specific capacity for injection well IRZ-27 (upper) did not significantly improve following rehabilitation.
- Specific capacities for injection well IRZ-31 (upper and lower) increased following rehabilitation (and flowrate also increased in the upper interval compared to the pre-rehabilitation rate). However, specific capacities did not return to greater than 80 percent of baseline at IRZ-31 (upper and lower), and specific capacity at IRZ-31 (upper) then declined over time with continued operation.

- Specific capacity for injection well IRZ-37 increased following rehabilitation (and flowrate also increased compared to the pre-rehabilitation rate); however, specific capacity did not return to greater than 80 percent of baseline.
- Specific capacity for injection well IRZ-39 returned to greater than 80 percent of baseline following rehabilitation and remained above 80 percent through the end of the quarter.

3.3.3 Injection Well Inspections

Injection wells are inspected quarterly (at a minimum) for visible leaks and damage. Any notable damage or equipment needing replacement is identified in Table 3.2. Leak detection switches within the vaults are also used to identify maintenance needs in a timely manner.

Notable non-routine maintenance performed on the injection wells during Fourth Quarter 2025 included the following:

- On November 4, 2025, the surge cards were replaced at IRZ-25 (upper) and IRZ-33 (upper) and the transducer was replaced at IRZ-25 (upper) because alarms were activated at IRZ-25 (upper) and IRZ-33 (upper) despite the transducers reading the correct water levels. Manual water-level measurements taken after the replacement transducer was installed at IRZ-25 (upper) confirmed that the new pressure transducer was taking accurate readings.
- On November 5, 2025, the transducer was replaced at IRZ-33 (upper) because an alarm was activated despite the transducer reading the correct water level. The surge card replacement on November 4, 2025, had not resolved the issue. Manual water-level measurements taken after the replacement transducer was installed at IRZ-33 (upper) confirmed that the new pressure transducer was taking accurate readings.
- On November 19, 2025, the flow control valve at IRZ-37 was replaced. Rain infiltration events on November 15 and 16 had caused the device to short-circuit. The newly replaced flow control valve was functional.
- On November 25, 2025, the surge card at IRZ-33 (upper) was replaced because the transducer was producing inaccurate water-level data following rain infiltration into the well vault on November 18, 2025.
- On December 2, 2025, the following two activities occurred:
 - A broken pipe was repaired at IRZ-39. Leak testing following the repair confirmed the leak had been resolved.
 - The transducer at IRZ-20 (upper) was replaced because it was producing inaccurate water-level data following rain infiltration into the well vault on November 18, 2025.
- On December 9, 2025, the flow control valve actuators at IRZ-29 (lower) and IRZ-33 (lower) were replaced. Rain infiltration events on November 15 and 16 had caused the devices to malfunction, but the replacement of this equipment was not prioritized because the wells were offline.

3.3.4 Injection Well Water Quality

Injection well water quality monitoring includes the collection of baseline data followed by as-needed sampling for biological, geochemical, and/or field parameters. Baseline analytical results for each injection well are provided in the First Quarter 2022 Well Performance Report (Arcadis 2022a). Baseline analytical data were collected during December 2021 and January 2022. No injection well water quality data were collected during Fourth Quarter 2025.

4 Monitoring Well Performance

Monitoring wells are inspected to determine whether monitoring well maintenance, such as wellhead repair or well screen redevelopment, is needed. Monitoring well inspections include the following:

- Wellhead condition is assessed to determine if well protection features, including the well seal, well vault/protective casing, and concrete pad, are in place and functioning as designed.
- Turbidity is measured as an indicator of whether the monitoring well screen and filter pack are intact and functioning.
- Depth to bottom of the well is measured as an indicator of infill (siltation).
- Specific capacity is evaluated to confirm consistency with sampling standard operating procedures.

This section provides a summary of each of these parameters. The locations of the inspected monitoring wells are shown on Figure 4.1.

4.1 Wellhead Condition

Wellheads are inspected routinely during sampling, and observations are documented. The inspection results for Fourth Quarter 2025 are presented in Table 4.1. Overall, the wellheads were in good condition in Fourth Quarter 2025, with the following exceptions:

- At MW-73-080, manhole/concrete surface completion was removed on November 4, 2025, during the excavation for Pipeline B. Because the location of the Pipeline B trench was unable to be changed to avoid impacts to this well, the pipeline construction team cut the well casing with hand tools and carefully removed the manhole/concrete surface completion to prevent it from falling into the trench during excavation. The construction team then immediately replaced the existing J-plug in the well casing. No sediment entered the well casing during the cutting or surface completion removal. Gauging and successful sampling of MW-73-080 on November 25, 2025, confirmed that the well had not been damaged. The pipeline construction and drilling teams coordinated the replacement of the well manhole in January 2026.
- At MW-90-031, the well box was noted to be degraded/rusted. The well box is planned to be replaced in March or April 2026.

Additional modifications to monitoring well surface completions are planned for March or April 2026 to address concerns noted by the DTSC in their December 29, 2025 letter to PG&E (PG&E 2026).

4.2 Turbidity

In accordance with Section 4.2.4 of the O&M Manual (Appendix L, Volume 1 of the Final BOD; CH2M Hill 2015a), wells that consistently yield turbidity greater than the range of 20 to 30 nephelometric turbidity units undergo additional evaluation to determine if redevelopment is warranted. The additional evaluation can include evaluation of previous purge data, specific capacity, and longer-term pressure transducer data. Turbidity data collected from monitoring wells in Fourth Quarter 2025 are included in Table 3.3. No monitoring wells yielded turbidity readings greater than 30 nephelometric turbidity units for consecutive sampling events in Fourth Quarter 2025.

4.3 Depth to Well Bottom

Depth to well bottom is measured manually during sampling using a water-level meter and compared to the as-constructed well depth and bottom of the screened interval to assess siltation, integrity of the well screen, and integrity of the well casing. Monitoring well depth-to-bottom data are presented in Table 4.2. If the measured well depths for consecutive sampling events suggest that at least 20 percent of the screened interval is silted in, the well will be flagged for further evaluation to determine if redevelopment is necessary.

Monitoring wells MW-27-020, MW-30-050, MW-32-020, MW-39-040, MW-39-060, MW-42-055, MW-45-095a, MW-48, MW-51, and MW-77-046 met this measured well depth criterion in Fourth Quarter 2025 but are not recommended for redevelopment. Monitoring wells MW-27-020, MW-30-050, MW-32-020, MW-39-040, MW-42-055, and MW-45-095a are not recommended for redevelopment because they are screened in fluvial sediments, and redevelopment in these sediments would increase the potential for sediment infiltration. MW-39-040 is also not recommended for redevelopment because previous redevelopment of this well did not improve performance, as discussed in the Second Quarter 2023 Well Performance Report (Arcadis 2023b). MW-48 is not recommended for redevelopment because it is a bedrock well and the specific capacity indicates good yield.

Monitoring well MW-77-046 was redeveloped following the October 2024 sampling event (Arcadis 2025a). The specific capacity and turbidity readings measured at MW-77-046 during the Second, Third, and Fourth Quarter 2025 sampling events indicate good yield and low suspended solids. Therefore, additional redevelopment or maintenance of MW-77-046 is not recommended at this time.

MW-39-060 and MW-51 are screened in alluvial sediments but are not recommended for redevelopment at this time based on their low turbidity measurements (less than 20 nephelometric turbidity units) during sampling and minimal drawdown during purging. These wells will be monitored for increasing trends in downwell sediment buildup, turbidity, and drawdown observed during sampling, and redevelopment will be considered if increasing trends are observed.

4.4 Specific Capacity

Monitoring well purging is generally conducted at rates between 100 and 500 milliliters per minute, and drawdown at these rates typically ranges from a few hundredths to a few tenths of a foot. Wells with casing diameters greater than 4 inches may be purged at rates higher than 500 milliliters per minute because a larger submersible pump is used in these cases. If drawdown of greater than 1 foot is observed for a fluvial or alluvial well during purging, the well will be flagged for further evaluation to determine if it needs rehabilitation. Bedrock wells are excluded from this evaluation method due to the potential for larger drawdown during purging. Purging data, including purge rate, drawdown, and calculated specific capacity, are presented in Table 4.2. Specific capacity is calculated using the equation provided in Section 2.2.1.

Drawdown of greater than 1 foot was not observed during purging of monitoring wells in Fourth Quarter 2025 (Table 4.2).

4.5 Response to Monitoring Well Performance Evaluation

Based on experience redeveloping MW-28-025, MW-30-030, and MW-39-040, and as discussed in the Third Quarter 2023 Well Performance Report (Arcadis 2023c), the following adjustments to the monitoring well redevelopment procedures have been implemented since Third Quarter 2023:

- Wells are redeveloped using a smaller-diameter surge block to reduce the risk of the surge block being lodged between sediment and the well casing.
- Wells located in fluvial sediments (see Well Screen Lithology column in Table 4.2), where sediment infiltration is likely given the screen slot size and/or filter pack combination, are not redeveloped. Redevelopment of these wells is expected to have a detrimental effect on well performance due to increased potential for sediment infiltration.
- Wells in which significant sediment infiltration occurs during redevelopment are not considered for future redevelopment.

5 Recommendations and Planned Activities for Next Reporting Period

Phase 1 groundwater remedy operations and the Phase 1 monitoring program will continue in First Quarter 2026 (January through March 2026) in accordance with the O&M Manual (Appendix L, Volume 1 of the Final BOD; CH2M Hill 2015a) and Groundwater Remedy Phase 1 Interim Monitoring Plan (Arcadis 2021). No changes to the current well rehabilitation program are proposed.

In addition to routine groundwater remedy operations and monitoring, the following activities related to well performance are planned for First Quarter 2026:

- Continue operating target NTH IRZ extraction and injection wells.
- Continue monitoring the NTH IRZ extraction and injection wells for potential well fouling.
- Continue to target backwashing the operating injection wells three times weekly during operation.
- Monitor average specific capacities for NTH IRZ extraction/injection wells and monitoring wells to determine if additional maintenance is needed.
- Continue inspections of monitoring wells as part of scheduled routine sampling.
- Continue evaluating enhancements to the rehabilitation methodologies and conduct additional diagnostic sampling of injection wells IRZ-16, IRZ-17, IRZ-31, and IRZ-37 during the next rehabilitation event at these wells.

Well performance monitoring and well maintenance activities will be reported in the First Quarter 2026 Well Performance Report. The First Quarter 2026 Quarterly Progress Report will also be submitted to document operations and monitoring results in accordance with the O&M Manual (Appendix L, Volume 2 of the Final BOD; CH2M Hill 2015a).

6 References

- Arcadis. 2021. Groundwater Remedy Phase 1 Interim Monitoring Plan. Topock Compressor Station, Needles, California. October 1.
- Arcadis. 2022a. First Quarter 2022 Well Performance Report. PG&E Topock Compressor Station, Needles, California. June 30.
- Arcadis. 2022b. Second Quarter 2022 Quarterly Progress Report. PG&E Topock Compressor Station, Needles, California. September 2.
- Arcadis. 2022c. Second Quarter 2022 Well Performance Report. PG&E Topock Compressor Station, Needles, California. September 28.
- Arcadis. 2022d. Third Quarter 2022 Well Performance Report. PG&E Topock Compressor Station, Needles, California. December 14.
- Arcadis. 2023a. PTI-1D Floodplain Extraction Test Workplan. Topock Compressor Station, Needles, California. July 25.
- Arcadis. 2023b. Second Quarter 2023 Well Performance Report. PG&E Topock Compressor Station, Needles, California. September 28.
- Arcadis. 2023c. Third Quarter 2023 Well Performance Report. PG&E Topock Compressor Station, Needles, California. December 14.
- Arcadis. 2025a. Fourth Quarter 2024 Well Performance Report. PG&E Topock Compressor Station, Needles, California. March 12.
- Arcadis. 2025b. Third Quarter 2025 Well Performance Report. PG&E Topock Compressor Station, Needles, California. November 14.
- Arcadis. 2026. Fourth Quarter 2025 Quarterly Progress Report. PG&E Topock Compressor Station, Needles, California. March 18.
- CH2M Hill. 2014. Final PG&E Program Quality Assurance Project Plan. November.
- CH2M Hill. 2015a. Basis of Design Report/Final (100%) Design Submittal for the Final Groundwater Remedy, PG&E Topock Compressor Station, Needles, California. November.
- CH2M Hill. 2015b. Construction/Remedial Action Work Plan for the Final Groundwater Remedy. PG&E Topock Compressor Station, Needles, California. November.
- Critigen. 2020. Addendum to the PG&E Program Quality Assurance Project Plan for Groundwater and Surface Water Sampling at the Topock Chromium Site. April.
- DOI. 2010. Groundwater Record of Decision, Pacific Gas and Electric Company, Topock Compressor Station, Needles, San Bernardino County, California. ROD cover date is December 2010; signed/approved by DOI on January 20, 2011.
- DOI. 2024. Email from V. Dickerson (DOI) to C. Ioan (DTSC) and J. Glass (PG&E). RE: PG&E Topock PTI-1D Extension Request. October 17.

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DTSC. 2024. Email from C. Ioan (DTSC) to J. Glass (PG&E). RE: PG&E Topock: PTI-1D Extension Request. October 1.

DTSC. 2025. Letter from C. Ioan (DTSC) to J. Glass (PG&E). Approval of Extension of PTI-1D Extraction Test at Pacific Gas and Electric Company (PG&E) Topock Compressor Station, Needles, California (EPA ID CAT080011729). November 17.

DTSC and DOI. 2011. Memorandum of Understanding (MOU) concerning the coordination in overseeing the implementation of groundwater response action at Topock Compressor Station. November 22.

PG&E. 2024. Letter from J. Glass (PG&E) to C. Ioan (DTSC) and V. Dickerson (DOI). Final PTI-1D Floodplain Extraction Test Workplan: Extension Request. September 20.

PG&E. 2026. Letter from J. Glass (PG&E) to C. Ioan (DTSC). Response to DTSC's Wellhead Completion Concerns, PG&E Topock Compressor Station, Needles, California. February 13.

Tables

Table 3.1
Summary of NTH IRZ Well Operations
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well ID	Aquifer Interval	Well Type	Operating Period	Recirculated Groundwater Volume (gal)	Ethanol Volume (gal)	Total Hours Operating (hours)	Active Time Operating (percent)	Average Flow Rate When Operating (gpm)
IRZ-15	Upper	Injection	Jan-25	191,582	11	547	74	5.8
IRZ-15	Upper	Injection	Feb-25	152,161	4.6	370	55	6.9
IRZ-15	Upper	Injection	Mar-25	297,478	9.0	702	94	7.1
IRZ-15	Upper	Injection	Apr-25	223,525	9.7	458	64	8.1
IRZ-15	Upper	Injection	May-25	74,268	0	167	22	7.4
IRZ-15	Upper	Injection	Jun-25	187,744	9.4	418	58	7.5
IRZ-15	Upper	Injection	Jul-25	283,828	8.8	654	88	7.2
IRZ-15	Upper	Injection	Aug-25	329,414	10	733	98	7.5
IRZ-15	Upper	Injection	Sep-25	361,289	11	711	99	8.5
IRZ-15	Upper	Injection	Oct-25	364,219	12	637	86	9.5
IRZ-15	Upper	Injection	Nov-25	411,611	13	695	97	9.9
IRZ-15	Upper	Injection	Dec-25	169,102	11	321	43	8.8
IRZ-15	Lower	Injection	Jan-25	446,523	24	555	75	13.4
IRZ-15	Lower	Injection	Feb-25	217,502	6.0	370	55	9.8
IRZ-15	Lower	Injection	Mar-25	308,875	10	702	94	7.3
IRZ-15	Lower	Injection	Apr-25	197,393	8.7	458	64	7.2
IRZ-15	Lower	Injection	May-25	69,063	0	167	22	6.9
IRZ-15	Lower	Injection	Jun-25	217,188	11	418	58	8.7
IRZ-15	Lower	Injection	Jul-25	290,391	8.8	654	88	7.4
IRZ-15	Lower	Injection	Aug-25	238,506	6.7	731	98	5.4
IRZ-15	Lower	Injection	Sep-25	192,119	5.8	698	97	4.6
IRZ-15	Lower	Injection	Oct-25	161,709	5.3	638	86	4.2
IRZ-15	Lower	Injection	Nov-25	151,289	5.1	696	97	3.6
IRZ-15	Lower	Injection	Dec-25	108,330	6.7	321	43	5.6
IRZ-16	Upper	Injection	Jan-25	96,680	6.2	310	42	5.2
IRZ-16	Upper	Injection	Feb-25	280,012	13	641	95	7.3
IRZ-16	Upper	Injection	Mar-25	296,228	9.1	699	94	7.1
IRZ-16	Upper	Injection	Apr-25	200,010	8.5	458	64	7.3
IRZ-16	Upper	Injection	May-25	276,348	8.8	668	90	6.9
IRZ-16	Upper	Injection	Jun-25	53,818	4.4	137	19	6.5
IRZ-16	Upper	Injection	Jul-25	270,176	8.5	654	88	6.9
IRZ-16	Upper	Injection	Aug-25	378,330	12	732	98	8.6
IRZ-16	Upper	Injection	Sep-25	390,625	11	714	99	9.1
IRZ-16	Upper	Injection	Oct-25	362,021	12	638	86	9.5
IRZ-16	Upper	Injection	Nov-25	427,939	13	696	97	10.2
IRZ-16	Upper	Injection	Dec-25	461,367	20	715	96	10.7
IRZ-16	Lower	Injection	Jan-25	154,639	10	330	44	7.8
IRZ-16	Lower	Injection	Feb-25	382,299	19	640	95	10.0
IRZ-16	Lower	Injection	Mar-25	409,752	13	698	94	9.8
IRZ-16	Lower	Injection	Apr-25	247,842	11	458	64	9.0
IRZ-16	Lower	Injection	May-25	318,008	9.1	668	90	7.9
IRZ-16	Lower	Injection	Jun-25	61,982	4.7	137	19	7.5
IRZ-16	Lower	Injection	Jul-25	321,982	11	654	88	8.2
IRZ-16	Lower	Injection	Aug-25	345,479	10	731	98	7.9
IRZ-16	Lower	Injection	Sep-25	293,545	8.6	713	99	6.9
IRZ-16	Lower	Injection	Oct-25	237,832	7.8	637	86	6.2
IRZ-16	Lower	Injection	Nov-25	222,969	6.9	696	97	5.3
IRZ-16	Lower	Injection	Dec-25	211,367	9.6	716	96	4.9
IRZ-17	Upper	Injection	Jan-25	100,459	5.3	691	93	2.4
IRZ-17	Upper	Injection	Feb-25	8,574	0.35	84	13	1.7
IRZ-17	Upper	Injection	Mar-25	--	--	--	--	--
IRZ-17	Upper	Injection	Apr-25	90,996	3.7	233	32	6.5
IRZ-17	Upper	Injection	May-25	252,813	7.3	696	94	6.1
IRZ-17	Upper	Injection	Jun-25	124,160	5.9	447	62	4.6
IRZ-17	Upper	Injection	Jul-25	174,258	5.6	654	88	4.4
IRZ-17	Upper	Injection	Aug-25	94,590	2.5	302	41	5.2
IRZ-17	Upper	Injection	Sep-25	254,697	7.2	711	99	6.0
IRZ-17	Upper	Injection	Oct-25	245,938	8.1	638	86	6.4
IRZ-17	Upper	Injection	Nov-25	247,168	7.5	695	96	5.9
IRZ-17	Upper	Injection	Dec-25	257,100	7.9	707	95	6.1
IRZ-17	Lower	Injection	Jan-25	258,613	14	732	98	5.9
IRZ-17	Lower	Injection	Feb-25	270,933	14	641	95	7.0
IRZ-17	Lower	Injection	Mar-25	204,370	4.6	549	74	6.2
IRZ-17	Lower	Injection	Apr-25	45,586	1.9	233	32	3.3
IRZ-17	Lower	Injection	May-25	109,482	3.3	687	92	2.7
IRZ-17	Lower	Injection	Jun-25	52,803	2.9	446	62	2.0
IRZ-17	Lower	Injection	Jul-25	79,355	2.4	651	87	2.0
IRZ-17	Lower	Injection	Aug-25	44,600	1.7	301	40	2.5
IRZ-17	Lower	Injection	Sep-25	100,313	3.2	706	98	2.4
IRZ-17	Lower	Injection	Oct-25	76,045	2.5	636	85	2.0
IRZ-17	Lower	Injection	Nov-25	70,850	2.5	613	85	1.9
IRZ-17	Lower	Injection	Dec-25	79,150	2.6	703	94	1.9
IRZ-18	Upper	Injection	Jan-25	99,097	5.3	697	94	2.4
IRZ-18	Upper	Injection	Feb-25	63,304	5.5	332	49	3.2
IRZ-18	Upper	Injection	Mar-25	275,457	8.8	697	94	6.6
IRZ-18	Upper	Injection	Apr-25	139,666	4.3	370	51	6.3
IRZ-18	Upper	Injection	May-25	182,818	8.7	438	59	7.0
IRZ-18	Upper	Injection	Jun-25	110,778	4.7	440	61	4.2
IRZ-18	Upper	Injection	Jul-25	166,102	5.5	654	88	4.2
IRZ-18	Upper	Injection	Aug-25	149,356	2.1	673	90	3.7
IRZ-18	Upper	Injection	Sep-25	97,705	4.5	277	39	5.9
IRZ-18	Upper	Injection	Oct-25	220,315	8.9	649	87	5.7
IRZ-18	Upper	Injection	Nov-25	122,860	3.9	685	95	3.0
IRZ-18	Upper	Injection	Dec-25	129,186	5.5	708	95	3.0
IRZ-18	Lower	Injection	Jan-25	111,349	6.2	727	98	2.6
IRZ-18	Lower	Injection	Feb-25	54,786	4.2	333	50	2.7
IRZ-18	Lower	Injection	Mar-25	129,244	3.8	693	93	3.1
IRZ-18	Lower	Injection	Apr-25	66,021	1.8	370	51	3.0
IRZ-18	Lower	Injection	May-25	80,605	3.7	443	60	3.0
IRZ-18	Lower	Injection	Jun-25	73,428	3.7	445	62	2.8
IRZ-18	Lower	Injection	Jul-25	105,205	3.4	653	88	2.7
IRZ-18	Lower	Injection	Aug-25	103,447	1.5	679	91	2.5
IRZ-18	Lower	Injection	Sep-25	48,115	2.1	277	39	2.9
IRZ-18	Lower	Injection	Oct-25	113,428	3.7	652	88	2.9
IRZ-18	Lower	Injection	Nov-25	76,798	1.7	508	71	2.5
IRZ-18	Lower	Injection	Dec-25	100,928	3.3	708	95	2.4
IRZ-20	Upper	Injection	Jan-25	243,427	14	731	98	5.6

Table 3.1
Summary of NTH IRZ Well Operations
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well ID	Aquifer Interval	Well Type	Operating Period	Recirculated Groundwater Volume (gal)	Ethanol Volume (gal)	Total Hours Operating (hours)	Active Time Operating (percent)	Average Flow Rate When Operating (gpm)
IRZ-20	Upper	Injection	Feb-25	268,898	13	640	95	7.0
IRZ-20	Upper	Injection	Mar-25	306,874	9.4	696	94	7.3
IRZ-20	Upper	Injection	Apr-25	154,611	7.7	368	51	7.0
IRZ-20	Upper	Injection	May-25	287,702	8.6	695	93	6.9
IRZ-20	Upper	Injection	Jun-25	173,184	7.8	441	61	6.5
IRZ-20	Upper	Injection	Jul-25	224,277	6.5	654	88	5.7
IRZ-20	Upper	Injection	Aug-25	93,828	2.3	718	96	2.2
IRZ-20	Upper	Injection	Sep-25	127,266	4.5	624	87	3.4
IRZ-20	Upper	Injection	Oct-25	130,840	3.4	388	52	5.6
IRZ-20	Upper	Injection	Nov-25	192,500	8.0	534	74	6.0
IRZ-20	Upper	Injection	Dec-25	287,246	9.3	674	91	7.1
IRZ-20	Lower	Injection	Jan-25	249,893	14	730	98	5.7
IRZ-20	Lower	Injection	Feb-25	197,738	10	639	95	5.2
IRZ-20	Lower	Injection	Mar-25	202,741	6.3	695	93	4.9
IRZ-20	Lower	Injection	Apr-25	111,387	6.2	368	51	5.0
IRZ-20	Lower	Injection	May-25	196,572	5.5	695	93	4.7
IRZ-20	Lower	Injection	Jun-25	114,463	5.1	443	62	4.3
IRZ-20	Lower	Injection	Jul-25	184,004	5.9	653	88	4.7
IRZ-20	Lower	Injection	Aug-25	204,082	5.9	731	98	4.7
IRZ-20	Lower	Injection	Sep-25	170,837	5.9	625	87	4.6
IRZ-20	Lower	Injection	Oct-25	102,412	2.7	388	52	4.4
IRZ-20	Lower	Injection	Nov-25	151,104	4.9	692	96	3.6
IRZ-20	Lower	Injection	Dec-25	118,047	5.4	712	96	2.8
IRZ-21	Upper	Injection	Jan-25	--	--	--	--	--
IRZ-21	Upper	Injection	Feb-25	--	--	--	--	--
IRZ-21	Upper	Injection	Mar-25	--	--	--	--	--
IRZ-21	Upper	Injection	Apr-25	--	--	--	--	--
IRZ-21	Upper	Injection	May-25	--	--	--	--	--
IRZ-21	Upper	Injection	Jun-25	--	--	--	--	--
IRZ-21	Upper	Injection	Jul-25	--	--	--	--	--
IRZ-21	Upper	Injection	Aug-25	--	--	--	--	--
IRZ-21	Upper	Injection	Sep-25	--	--	--	--	--
IRZ-21	Upper	Injection	Oct-25	--	--	--	--	--
IRZ-21	Upper	Injection	Nov-25	--	--	--	--	--
IRZ-21	Upper	Injection	Dec-25	--	--	--	--	--
IRZ-21	Lower	Injection	Jan-25	--	--	--	--	--
IRZ-21	Lower	Injection	Feb-25	--	--	--	--	--
IRZ-21	Lower	Injection	Mar-25	--	--	--	--	--
IRZ-21	Lower	Injection	Apr-25	--	--	--	--	--
IRZ-21	Lower	Injection	May-25	--	--	--	--	--
IRZ-21	Lower	Injection	Jun-25	--	--	--	--	--
IRZ-21	Lower	Injection	Jul-25	--	--	--	--	--
IRZ-21	Lower	Injection	Aug-25	--	--	--	--	--
IRZ-21	Lower	Injection	Sep-25	--	--	--	--	--
IRZ-21	Lower	Injection	Oct-25	--	--	--	--	--
IRZ-21	Lower	Injection	Nov-25	--	--	--	--	--
IRZ-21	Lower	Injection	Dec-25	--	--	--	--	--
IRZ-25	Upper/Upper Middle	Injection	Jan-25	--	--	--	--	--
IRZ-25	Upper/Upper Middle	Injection	Feb-25	--	--	--	--	--
IRZ-25	Upper/Upper Middle	Injection	Mar-25	--	--	--	--	--
IRZ-25	Upper/Upper Middle	Injection	Apr-25	--	--	--	--	--
IRZ-25	Upper/Upper Middle	Injection	May-25	--	--	--	--	--
IRZ-25	Upper/Upper Middle	Injection	Jun-25	--	--	--	--	--
IRZ-25	Upper/Upper Middle	Injection	Jul-25	--	--	--	--	--
IRZ-25	Upper/Upper Middle	Injection	Aug-25	--	--	--	--	--
IRZ-25	Upper/Upper Middle	Injection	Sep-25	--	--	--	--	--
IRZ-25	Upper/Upper Middle	Injection	Oct-25	--	--	--	--	--
IRZ-25	Upper/Upper Middle	Injection	Nov-25	--	--	--	--	--
IRZ-25	Upper/Upper Middle	Injection	Dec-25	--	--	--	--	--
IRZ-25	Lower	Injection	Jan-25	--	--	--	--	--
IRZ-25	Lower	Injection	Feb-25	--	--	--	--	--
IRZ-25	Lower	Injection	Mar-25	--	--	--	--	--
IRZ-25	Lower	Injection	Apr-25	--	--	--	--	--
IRZ-25	Lower	Injection	May-25	--	--	--	--	--
IRZ-25	Lower	Injection	Jun-25	--	--	--	--	--
IRZ-25	Lower	Injection	Jul-25	--	--	--	--	--
IRZ-25	Lower	Injection	Aug-25	--	--	--	--	--
IRZ-25	Lower	Injection	Sep-25	--	--	--	--	--
IRZ-25	Lower	Injection	Oct-25	--	--	--	--	--
IRZ-25	Lower	Injection	Nov-25	--	--	--	--	--
IRZ-25	Lower	Injection	Dec-25	--	--	--	--	--
IRZ-27	Upper	Injection	Jan-25	144,121	9.1	628	84	3.8
IRZ-27	Upper/Middle ^a	Injection	Feb-25	221,809	17	569	85	6.5
IRZ-27	Upper/Middle ^a	Injection	Mar-25	247,099	22	634	85	6.5
IRZ-27	Upper	Injection	Apr-25	25,975	1.7	136	19	3.2
IRZ-27	Upper	Injection	May-25	83,131	4.8	697	94	2.0
IRZ-27	Upper	Injection	Jun-25	60,739	4.5	654	91	1.5
IRZ-27	Upper	Injection	Jul-25	67,316	4.5	695	93	1.6
IRZ-27	Upper	Injection	Aug-25	66,735	3.9	717	96	1.6
IRZ-27	Upper	Injection	Sep-25	56,806	4.2	704	98	1.3
IRZ-27	Upper	Injection	Oct-25	43,683	4.1	562	76	1.3
IRZ-27	Upper	Injection	Nov-25	31,991	1.6	430	60	1.2
IRZ-27	Upper	Injection	Dec-25	19,569	1.5	306	41	1.1
IRZ-27	Middle/Lower	Injection	Jan-25	361,367	24	669	90	9.0
IRZ-27	Lower ^a	Injection	Feb-25	400	0.07	6.2	0.9	1.1
IRZ-27	Lower ^a	Injection	Mar-25	--	--	--	--	--
IRZ-27	Middle/Lower	Injection	Apr-25	66,045	4.6	153	21	7.2
IRZ-27	Middle/Lower	Injection	May-25	306,641	21	635	85	8.0
IRZ-27	Middle/Lower	Injection	Jun-25	352,637	24	661	92	8.9
IRZ-27	Middle/Lower	Injection	Jul-25	360,469	22	700	94	8.6
IRZ-27	Middle/Lower	Injection	Aug-25	417,129	25	727	98	9.6
IRZ-27	Middle/Lower	Injection	Sep-25	295,507	25	615	85	8.0
IRZ-27	Middle/Lower	Injection	Oct-25	246,865	25	582	78	7.1
IRZ-27	Middle/Lower	Injection	Nov-25	211,758	17	669	93	5.3
IRZ-27	Middle/Lower	Injection	Dec-25	117,578	6.6	334	45	5.9
IRZ-29	Upper	Injection	Jan-25	312,885	19	731	98	7.1

Table 3.1
Summary of NTH IRZ Well Operations
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well ID	Aquifer Interval	Well Type	Operating Period	Recirculated Groundwater Volume (gal)	Ethanol Volume (gal)	Total Hours Operating (hours)	Active Time Operating (percent)	Average Flow Rate When Operating (gpm)
IRZ-29	Upper	Injection	Feb-25	333,651	22	639	95	8.7
IRZ-29	Upper	Injection	Mar-25	342,225	27	698	94	8.2
IRZ-29	Upper	Injection	Apr-25	209,570	13	454	63	7.7
IRZ-29	Upper	Injection	May-25	280,186	17	673	90	6.9
IRZ-29	Upper	Injection	Jun-25	149,512	13	447	62	5.6
IRZ-29	Upper	Injection	Jul-25	121,641	5.6	439	59	4.6
IRZ-29	Upper	Injection	Aug-25	--	--	--	--	--
IRZ-29	Upper	Injection	Sep-25	--	--	--	--	--
IRZ-29	Upper	Injection	Oct-25	--	--	--	--	--
IRZ-29	Upper	Injection	Nov-25	--	--	--	--	--
IRZ-29	Upper	Injection	Dec-25	--	--	--	--	--
IRZ-29	Lower	Injection	Jan-25	132,830	8.4	730	98	3.0
IRZ-29	Lower	Injection	Feb-25	151,389	10	638	95	4.0
IRZ-29	Lower	Injection	Mar-25	240,994	19	698	94	5.8
IRZ-29	Lower	Injection	Apr-25	164,891	11	454	63	6.1
IRZ-29	Lower	Injection	May-25	138,311	8.2	665	89	3.5
IRZ-29	Lower	Injection	Jun-25	68,027	6.5	438	61	2.6
IRZ-29	Lower	Injection	Jul-25	86,465	4.1	439	59	3.3
IRZ-29	Lower	Injection	Aug-25	--	--	--	--	--
IRZ-29	Lower	Injection	Sep-25	--	--	--	--	--
IRZ-29	Lower	Injection	Oct-25	--	--	--	--	--
IRZ-29	Lower	Injection	Nov-25	--	--	--	--	--
IRZ-29	Lower	Injection	Dec-25	--	--	--	--	--
IRZ-31	Upper	Injection	Jan-25	382,513	24	721	97	8.8
IRZ-31	Upper	Injection	Feb-25	289,395	17	551	82	8.8
IRZ-31	Upper	Injection	Mar-25	234,629	12	446	60	8.8
IRZ-31	Upper	Injection	Apr-25	248,135	17	458	64	9.0
IRZ-31	Upper	Injection	May-25	376,348	23	698	94	9.0
IRZ-31	Upper	Injection	Jun-25	213,613	19	448	62	7.9
IRZ-31	Upper	Injection	Jul-25	198,818	9.2	440	59	7.5
IRZ-31	Upper	Injection	Aug-25	128,369	10	297	40	7.2
IRZ-31	Upper	Injection	Sep-25	155,771	8.8	386	54	6.7
IRZ-31	Upper	Injection	Oct-25	206,445	13	456	61	7.5
IRZ-31	Upper	Injection	Nov-25	186,289	13	642	89	4.8
IRZ-31	Upper	Injection	Dec-25	136,797	9.5	709	95	3.2
IRZ-31	Lower	Injection	Jan-25	176,772	10	714	96	4.1
IRZ-31	Lower	Injection	Feb-25	102,310	6.2	547	81	3.1
IRZ-31	Lower	Injection	Mar-25	169,565	11	439	59	6.4
IRZ-31	Lower	Injection	Apr-25	140,797	9.5	457	63	5.1
IRZ-31	Lower	Injection	May-25	169,183	10	697	94	4.0
IRZ-31	Lower	Injection	Jun-25	94,219	8.4	445	62	3.5
IRZ-31	Lower	Injection	Jul-25	103,037	4.6	439	59	3.9
IRZ-31	Lower	Injection	Aug-25	21,016	1.2	221	30	1.6
IRZ-31	Lower	Injection	Sep-25	2,101	0.48	60	8.3	0.6
IRZ-31	Lower	Injection	Oct-25	35,332	2.2	442	59	1.3
IRZ-31	Lower	Injection	Nov-25	57,275	3.9	660	92	1.4
IRZ-31	Lower	Injection	Dec-25	110,381	8.3	706	95	2.6
IRZ-33	Upper	Injection	Jan-25	280,243	12	706	95	6.6
IRZ-33	Upper	Injection	Feb-25	102,507	5.0	218	32	7.8
IRZ-33	Upper	Injection	Mar-25	268,815	21	698	94	6.4
IRZ-33	Upper	Injection	Apr-25	196,522	13	458	64	7.2
IRZ-33	Upper	Injection	May-25	283,686	17	700	94	6.8
IRZ-33	Upper	Injection	Jun-25	245,703	18	635	88	6.4
IRZ-33	Upper	Injection	Jul-25	187,861	8.4	487	65	6.4
IRZ-33	Upper	Injection	Aug-25	--	--	--	--	--
IRZ-33	Upper	Injection	Sep-25	--	--	--	--	--
IRZ-33	Upper	Injection	Oct-25	--	--	--	--	--
IRZ-33	Upper	Injection	Nov-25	--	--	--	--	--
IRZ-33	Upper	Injection	Dec-25	--	--	--	--	--
IRZ-33	Lower	Injection	Jan-25	108,976	5.2	702	94	2.6
IRZ-33	Lower	Injection	Feb-25	32,057	1.7	206	31	2.6
IRZ-33	Lower	Injection	Mar-25	93,315	8.6	683	92	2.3
IRZ-33	Lower	Injection	Apr-25	53,082	3.7	441	61	2.0
IRZ-33	Lower	Injection	May-25	71,189	4.9	664	89	1.8
IRZ-33	Lower	Injection	Jun-25	56,896	4.3	600	83	1.6
IRZ-33	Lower	Injection	Jul-25	40,219	1.0	419	56	1.6
IRZ-33	Lower	Injection	Aug-25	--	--	--	--	--
IRZ-33	Lower	Injection	Sep-25	--	--	--	--	--
IRZ-33	Lower	Injection	Oct-25	--	--	--	--	--
IRZ-33	Lower	Injection	Nov-25	--	--	--	--	--
IRZ-33	Lower	Injection	Dec-25	--	--	--	--	--
IRZ-35	Upper	Injection	Jan-25	303,390	18	702	94	7.2
IRZ-35	Upper	Injection	Feb-25	283,775	19	639	95	7.4
IRZ-35	Upper	Injection	Mar-25	147,143	4.8	342	46	7.2
IRZ-35	Upper	Injection	Apr-25	210,645	14	458	64	7.7
IRZ-35	Upper	Injection	May-25	316,309	20	699	94	7.5
IRZ-35	Upper	Injection	Jun-25	245,420	18	630	88	6.5
IRZ-35	Upper	Injection	Jul-25	181,240	8.2	486	65	6.2
IRZ-35	Upper	Injection	Aug-25	--	--	--	--	--
IRZ-35	Upper	Injection	Sep-25	--	--	--	--	--
IRZ-35	Upper	Injection	Oct-25	--	--	--	--	--
IRZ-35	Upper	Injection	Nov-25	--	--	--	--	--
IRZ-35	Upper	Injection	Dec-25	--	--	--	--	--
IRZ-37	Upper	Injection	Jan-25	60,199	1.8	287	39	3.5
IRZ-37	Upper	Injection	Feb-25	284,906	18	640	95	7.4
IRZ-37	Upper	Injection	Mar-25	189,107	16	697	94	4.5
IRZ-37	Upper	Injection	Apr-25	67,356	4.9	458	64	2.5
IRZ-37	Upper	Injection	May-25	47,126	3.9	570	77	1.4
IRZ-37	Upper	Injection	Jun-25	112,500	6.5	419	58	4.5
IRZ-37	Upper	Injection	Jul-25	218,954	13	701	94	5.2
IRZ-37	Upper	Injection	Aug-25	141,328	8.5	697	94	3.4
IRZ-37	Upper	Injection	Sep-25	66,115	4.0	688	96	1.6
IRZ-37	Upper	Injection	Oct-25	28,868	2.9	452	61	1.1
IRZ-37	Upper	Injection	Nov-25	75,694	7.1	286	40	4.4
IRZ-37	Upper	Injection	Dec-25	131,378	9.0	648	87	3.4
IRZ-39	Upper	Injection	Jan-25	49,555	2.7	648	87	1.3
IRZ-39	Upper	Injection	Feb-25	56,943	4.0	593	88	1.6

Table 3.1
Summary of NTH IRZ Well Operations
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well ID	Aquifer Interval	Well Type	Operating Period	Recirculated Groundwater Volume (gal)	Ethanol Volume (gal)	Total Hours Operating (hours)	Active Time Operating (percent)	Average Flow Rate When Operating (gpm)
IRZ-39	Upper	Injection	Mar-25	37,096	3.9	610	82	1.0
IRZ-39	Upper	Injection	Apr-25	10,120	0.95	247	34	0.7
IRZ-39	Upper	Injection	May-25	16,076	0.92	593	80	0.5
IRZ-39	Upper	Injection	Jun-25	8,268	0.58	203	28	0.7
IRZ-39	Upper	Injection	Jul-25	35,234	1.8	681	92	0.9
IRZ-39	Upper	Injection	Aug-25	15,465	0.83	535	72	0.5
IRZ-39	Upper	Injection	Sep-25	7,928	0.53	326	45	0.4
IRZ-39	Upper	Injection	Oct-25	5,455	0.46	219	29	0.4
IRZ-39	Upper	Injection	Nov-25	--	--	--	--	--
IRZ-39	Upper	Injection	Dec-25	55,534	5.1	668	90	1.4
IRZ-9	Upper	Extraction	Jan-25	--	--	--	--	--
IRZ-9	Upper	Extraction	Feb-25	4,334	--	2.2	0	32.8
IRZ-9	Upper	Extraction	Mar-25	--	--	--	--	--
IRZ-9	Upper	Extraction	Apr-25	--	--	--	--	--
IRZ-9	Upper	Extraction	May-25	6,977	--	3.4	0	34.0
IRZ-9	Upper	Extraction	Jun-25	660,865	--	137	19	80.4
IRZ-9	Upper	Extraction	Jul-25	1,428,033	--	294	40	80.9
IRZ-9	Upper	Extraction	Aug-25	1,692	--	4.6	0.62	6.2
IRZ-9	Upper	Extraction	Sep-25	--	--	--	--	--
IRZ-9	Upper	Extraction	Oct-25	--	--	--	--	--
IRZ-9	Upper	Extraction	Nov-25	4,544	--	1.8	0.25	41.3
IRZ-9	Upper	Extraction	Dec-25	--	--	--	--	--
IRZ-13D	Lower	Extraction	Jan-25	48,135	--	58	8	13.8
IRZ-13D	Lower	Extraction	Feb-25	37,002	--	44	7	14.0
IRZ-13D	Lower	Extraction	Mar-25	193,604	--	245	33	13.2
IRZ-13D	Lower	Extraction	Apr-25	219,365	--	355	49	10.3
IRZ-13D	Lower	Extraction	May-25	58,594	--	92	12	10.6
IRZ-13D	Lower	Extraction	Jun-25	--	--	--	--	--
IRZ-13D	Lower	Extraction	Jul-25	83,926	--	148	20	9.5
IRZ-13D	Lower	Extraction	Aug-25	194,473	--	233	31	13.9
IRZ-13D	Lower	Extraction	Sep-25	74,111	--	39	5.4	31.6
IRZ-13D	Lower	Extraction	Oct-25	139,746	--	261	35	8.9
IRZ-13D	Lower	Extraction	Nov-25	200,645	--	277	38	12.1
IRZ-13D	Lower	Extraction	Dec-25	--	--	--	--	--
IRZ-13S	Upper	Extraction	Jan-25	24,551	--	32	4	12.9
IRZ-13S	Upper	Extraction	Feb-25	1,592	--	1.8	0	14.7
IRZ-13S	Upper	Extraction	Mar-25	26,152	--	41	6	10.6
IRZ-13S	Upper	Extraction	Apr-25	--	--	--	--	--
IRZ-13S	Upper	Extraction	May-25	3,018	--	3.2	0	15.9
IRZ-13S	Upper	Extraction	Jun-25	--	--	--	--	--
IRZ-13S	Upper	Extraction	Jul-25	--	--	--	--	--
IRZ-13S	Upper	Extraction	Aug-25	104,180	--	59	7.9	29.6
IRZ-13S	Upper	Extraction	Sep-25	70,801	--	39	5.4	30.2
IRZ-13S	Upper	Extraction	Oct-25	--	--	--	--	--
IRZ-13S	Upper	Extraction	Nov-25	1,631	--	2.3	0.32	11.6
IRZ-13S	Upper	Extraction	Dec-25	--	--	--	--	--
IRZ-23	Lower	Extraction	Jan-25	3,579,117	--	733	99	81.4
IRZ-23	Lower	Extraction	Feb-25	2,748,931	--	638	95	71.8
IRZ-23	Lower	Extraction	Mar-25	3,081,034	--	700	94	73.4
IRZ-23	Lower	Extraction	Apr-25	1,912,914	--	458	64	69.6
IRZ-23	Lower	Extraction	May-25	2,740,355	--	696	94	65.6
IRZ-23	Lower	Extraction	Jun-25	1,634,113	--	662	92	41.1
IRZ-23	Lower	Extraction	Jul-25	2,077,734	--	703	95	49.3
IRZ-23	Lower	Extraction	Aug-25	2,351,098	--	674	91	58.2
IRZ-23	Lower	Extraction	Sep-25	2,343,051	--	679	94	57.5
IRZ-23	Lower	Extraction	Oct-25	2,316,410	--	660	89	58.5
IRZ-23	Lower	Extraction	Nov-25	2,314,555	--	694	96	55.6
IRZ-23	Lower	Extraction	Dec-25	2,364,098	--	717	96	55.0
PTI-1D	Lower	Extraction	Jan-25	446,816	--	350	47	21.3
PTI-1D	Lower	Extraction	Feb-25	808,436	--	641	95	21.0
PTI-1D	Lower	Extraction	Mar-25	901,867	--	700	94	21.5
PTI-1D	Lower	Extraction	Apr-25	620,898	--	458	64	22.6
PTI-1D	Lower	Extraction	May-25	977,617	--	693	93	23.5
PTI-1D	Lower	Extraction	Jun-25	446,211	--	309	43	24.1
PTI-1D	Lower	Extraction	Jul-25	2,617	--	1.7	0.22	26.2
PTI-1D	Lower	Extraction	Aug-25	7,314	--	4.6	0.62	26.6
PTI-1D	Lower	Extraction	Sep-25	5,088	--	3.3	0.45	26.1
PTI-1D	Lower	Extraction	Oct-25	4,033	--	2.8	0.37	24.4
PTI-1D	Lower	Extraction	Nov-25	664	--	0.42	0.06	26.6
PTI-1D	Lower	Extraction	Dec-25	3,174	--	2.0	0.27	26.4

Notes:
1. Results collected during the reporting period are bolded.

^a Injection well IRZ-27 is a triple-screened well and is separated into two injection intervals using a packer. The packer was historically installed between the upper screen and the middle screen, subdividing the well into an upper screen interval and a middle/lower screen interval. The packer was reinstalled to subdivide the well into an upper/middle interval and a lower interval on January 30, 2025, to prioritize Cr6 treatment in the lowest interval. Following the packer relocation, less than 1 gallon per minute of flow was able to be injected into the lower interval, and the packer was subsequently reinstalled between the upper screen and middle screen during the March 2025 rehabilitation event at IRZ-27.

Acronyms and Abbreviations:
-- = not applicable
Cr6 = hexavalent chromium
gal = gallon
gpm = gallon per minute
ID = identification
IRZ = In Situ Reactive Zone
NTH = National Trails Highway

Table 3.2
NTH IRZ System Operations and Non-Routine Maintenance Log
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Date	Approximate IRZ Systemwide Downtime (days)	Operations and Maintenance Log	Notes
10/1/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-27, IRZ-37, and IRZ-39.	--
10/1/2025 through 10/3/2025	--	Reinjected conditioned water into injection wells.	--
10/3/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-27, IRZ-37, and IRZ-39.	--
10/3/2025	--	Reinjected conditioned water into injection wells.	--
10/6/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-27, IRZ-37, and IRZ-39.	--
10/7/2025	--	Ethanol dosing occurred.	--
10/8/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-27, IRZ-37, and IRZ-39.	--
10/8/2025 through 10/9/2025	0.9	IRZ system offline.	Power loss at TCS due to planned work.
10/9/2025	0.3	IRZ system offline.	Power loss at TCS due to planned work.
10/10/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-27, IRZ-31, IRZ-37, and IRZ-39.	--
10/10/2025	0.04	IRZ system offline.	Power loss at TCS due to planned work.
10/10/2025	--	Reinjected conditioned water into injection wells.	--
10/13/2025 through 10/16/2025	--	PG&E full company safety stand down. Only low risk work permitted.	--
10/14/2025 through 10/17/2025	--	IRZ-27 offline for approximately 3 days for planned well rehabilitation.	Team did not have time to rehabilitate well prior to rehabilitation break due to PG&E stand down.
10/14/2025	--	Ethanol dosing occurred in southern IRZ.	--
10/17/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-31, IRZ-37, and IRZ-39.	--
10/17/2025	--	IRZ-13 (lower) cycled on.	--
10/20/2025	--	Ethanol dosing occurred.	--
10/20/2025 through 10/29/2025	--	IRZ-39 offline for well rehabilitation.	--
10/21/2025 through 10/22/2025	--	Reinjected conditioned water into injection wells.	--
10/22/2025 through 10/24/2025	2.3	IRZ-system offline.	TCS transformer maintenance and Node 3 (CAB) work.
10/22/2025 through 10/31/2025	--	IRZ-37 offline for well rehabilitation.	--
10/24/2025	--	Reinjected conditioned water into injection wells.	--
10/27/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, and IRZ-31.	--
10/27/2025 through 10/28/2025	--	Reinjected conditioned water into injection wells.	--
10/28/2025	--	Ethanol dosing occurred in southern IRZ.	--
10/29/2025	--	Collected manual water level readings at IRZ injection wells IRZ-15 (upper), IRZ-16 (upper), IRZ-18 (upper), IRZ-20 (upper), and IRZ-27 (upper).	Collected readings to confirm transducer readings. Offset adjustment at IRZ-16 (upper), IRZ-18 (upper), and IRZ-27 (upper).
10/29/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, and IRZ-31.	--
10/29/2025 through 12/3/2025	--	IRZ-39 offline for approximately 35 days following well rehabilitation.	Pipe repair required.
10/30/2025	--	Ethanol dosing occurred at IRZ-27.	--
10/31/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, and IRZ-31.	--
10/31/2025 through 11/3/2025	--	IRZ-37 offline for approximately 4 days following well rehabilitation.	Rehabilitation completed too close to team's demobilization from Site for the weekend.
11/3/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, and IRZ-31.	--
11/4/2025	--	Ethanol dosing occurred.	--
11/4/2025	--	IRZ-25 (upper) transducer and surge card replaced.	Transducer activating alarm for extended period of time despite reading correct water level.
11/4/2025	--	IRZ-33 (upper) surge card replaced.	Transducer activating alarm for extended period of time despite reading correct water level.
11/5/2025	--	IRZ-33 (upper) transducer replaced.	Transducer activating alarm for extended period of time despite reading correct water level.
11/5/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-31, and IRZ-37.	--
11/5/2025 through 11/7/2025	--	Reinjected conditioned water into injection wells.	--
11/6/2025	--	Collected manual water level readings at IRZ-31.	Collected readings to confirm transducer readings. Offset adjustment at IRZ-31 (upper) and IRZ-31 (lower).
11/7/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-31, and IRZ-37.	--
11/10/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-31, and IRZ-37.	--
11/11/2025	--	Ethanol dosing occurred in southern IRZ.	--
11/11/2025	--	Replaced internal hose and oil on carbon substrate pump 0640.	Pump stopped functioning due to issue with internal hose. Maintenance on pump was effective.
11/12/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-31, and IRZ-37.	--
11/12/2025 through 11/13/2025	--	Reinjected conditioned water into injection wells.	--
11/13/2025	--	Ethanol dosing occurred at IRZ-27.	--
11/14/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-31, and IRZ-37.	--
11/15/2025 through 11/16/2025	0.7	IRZ system offline.	Rain infiltration at well vaults.
11/15/2025 through 11/17/2025	--	IRZ-31 offline for approximately 2 days following rain infiltration event on 11/15.	PLC malfunction at Node 2 due to rain event.
11/15/2025	--	IRZ-13 (lower) cycled off following rain infiltration event on 11/15 and 11/16.	Rain infiltration on 11/15 and 11/16 caused PLC malfunction at Node 2 (IRZ-29, IRZ-31, IRZ-33, IRZ-35, IRZ-37, and IRZ-39). Reduced extraction capacity due to offline wells IRZ-31 and IRZ-37.
11/15/2025 through 12/3/2025	--	IRZ-37 offline for approximately 18 days following rain infiltration event on 11/15 and 11/16.	Rain infiltration on 11/15 and 11/16 caused PLC to malfunction at all Node 2 wells and FCVs to short circuit at IRZ-29 (lower), IRZ-33 (lower), and IRZ-37.
11/16/2025	0.1	IRZ system offline.	Rain infiltration at well vaults.
11/18/2025	0.1	IRZ system offline.	Rain infiltration at well vaults.
11/18/2025 through 11/26/2025	--	IRZ-18 (lower) offline for approximately 8 days following rain infiltration event on 11/18.	FCV error.
11/19/2025	--	FCV at IRZ-37 replaced.	Rain infiltration on 11/15 and 11/16 caused FCV to short circuit.
11/20/2025 through 11/24/2025	--	IRZ-27 (upper) offline for approximately 4 days following rain infiltration event on 11/18.	FCV stuck at high level due to rain event.
11/20/2025	--	Ethanol dosing occurred.	--
11/20/2025 through 11/21/2025	--	Reinjected conditioned water into injection wells.	--
11/21/2025	0.1	IRZ system offline.	Rain infiltration at well vaults.
11/21/2025 through 11/24/2025	--	IRZ-17 (lower) offline for approximately 3 days following rain infiltration event on 11/21.	Well accidentally not brought online when restarting IRZ system prior to team demobilizing for the weekend.
11/24/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18 (upper), IRZ-20, IRZ-27 (lower), and IRZ-31.	--
11/25/2025	--	Ethanol dosing occurred in southern IRZ.	--
11/25/2025	--	Collected manual water level readings at IRZ injection wells IRZ-20 (upper), IRZ-27 (upper), IRZ-29, IRZ-31, and IRZ-33.	Collected readings to confirm transducer readings. Offset adjustment at IRZ-20 (upper), IRZ-31 (upper), and IRZ-31 (lower).
11/25/2025	--	IRZ-33 (upper) transducer and surge card replaced.	Transducer producing inaccurate water level data following rain infiltration event on 11/18.
11/25/2025 through 12/2/2025	--	IRZ-20 (upper) offline for approximately 8 days.	Transducer producing inaccurate water level data following rain infiltration event on 11/18. Required further troubleshooting.
11/26/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18 (upper), IRZ-20, IRZ-27 (lower), and IRZ-31.	--
12/1/2025	--	Backwashed IRZ injection wells IRZ-17, IRZ-18, and IRZ-31.	--
12/1/2025 through 12/3/2025	--	Reinjected conditioned water into injection wells.	--
12/1/2025 through 12/17/2025	--	IRZ-27 offline for well rehabilitation.	--

Table 3.2
NTH IRZ System Operations and Non-Routine Maintenance Log
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Date	Approximate IRZ Systemwide Downtime (days)	Operations and Maintenance Log	Notes
12/2/2025	--	Ethanol dosing occurred.	--
12/2/2025	--	IRZ-20 (upper) transducer replaced.	Transducer producing inaccurate water level data following rain infiltration event on 11/18.
12/2/2025	--	Pipe repair at IRZ-39.	--
12/3/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, and IRZ-31.	--
12/5/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-31, IRZ-37, and IRZ-39.	--
12/5/2025	--	Collected manual water level reading at IRZ injection well IRZ-35.	Collected reading to confirm transducer reading. Offset adjustment at IRZ-35.
12/5/2025 through 12/20/2025	--	IRZ-15 offline for well rehabilitation.	--
12/8/2025	--	Backwashed IRZ injection wells IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-31, IRZ-37, and IRZ-39.	--
12/9/2025	--	Ethanol dosing occurred in southern IRZ.	--
12/9/2025	--	IRZ-33 (lower) and IRZ-29 (lower) FCV actuators replaced.	IRZ-33 (lower) and IRZ-29 (lower) malfunctioning following rain infiltration event 11/15 through 11/16. Wells are offline, so were not prioritized in post-rain infiltration troubleshooting.
12/10/2025	0.3	IRZ system offline.	Manifold draining and planned installation of tie-in piping in the CAB for Phase 2B uplands wells.
12/11/2025	--	Manual ethanol dosing occurred at IRZ-39.	--
12/12/2025	--	Backwashed IRZ injection wells IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-31, IRZ-37, and IRZ-39.	--
12/15/2025	--	Collected manual water level readings at IRZ injection well IRZ-39.	Collected reading to confirm transducer readings.
12/15/2025	--	Backwashed IRZ injection wells IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-31, IRZ-37, and IRZ-39.	--
12/16/2025	--	Ethanol dosing occurred.	--
12/17/2025	--	Backwashed IRZ injection wells IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-31, IRZ-37, and IRZ-39.	--
12/17/2025	--	Collected manual water level readings at IRZ injection wells IRZ-20 (upper) and IRZ-31.	Collected readings to confirm transducer readings. Offset adjustment at IRZ-20 (upper).
12/17/2025 through 12/18/2025	--	Reinjected conditioned water into injection wells.	--
12/19/2025	--	Backwashed IRZ injection wells IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-31, IRZ-37, and IRZ-39.	--
12/20/2025 through 12/22/2025	--	IRZ-15 offline for approximately 2 days following planned well rehabilitation.	Rehab completed on a Saturday. No personnel physically onsite to bring well online until Monday.
12/22/2025	0.3	IRZ system offline.	Continue planned ACS pipe work in the CAB for Phase 2B uplands wells.
12/22/2025	--	Backwashed IRZ injection wells IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-31, IRZ-37, and IRZ-39.	--
12/23/2025	--	Ethanol dosing occurred in southern IRZ.	--
12/24/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-31, IRZ-37, and IRZ-39.	--
12/24/2025 through 12/25/2025	0.5	IRZ system offline.	Rain infiltration at well vaults.
12/29/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-31, IRZ-37, and IRZ-39.	--
12/30/2025	--	Collected manual water level readings at IRZ injection wells IRZ-15 (lower) and IRZ-18 (upper).	Collected readings to confirm transducer readings. Offset adjustment at IRZ-15 (lower).
12/30/2025	--	Ethanol dosing occurred.	--
12/30/2025 through 12/31/2025	--	Reinjected conditioned water into injection wells.	--
12/31/2025	--	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-31, IRZ-37, and IRZ-39.	--

Note:
1. Injection wells in the northern IRZ include IRZ-15, IRZ-16, IRZ-17, IRZ-18, and IRZ-20. Injection wells in the southern IRZ include IRZ-27, IRZ-29, IRZ-31, IRZ-33, IRZ-35, IRZ-37, and IRZ-39.

Acronyms and Abbreviations:

- = not applicable
- ACS = Arcadis Construction Services
- CAB = Carbon Amendment Building
- FCV = flow control valve
- gpm = gallon per minute
- IRZ = In Situ Reactive Zone
- NTH = National Trails Highway
- PG&E = Pacific Gas and Electric
- PLC = programmable logic controller
- Site = Pacific Gas and Electric Company Topock Compressor Station
- TCS = Topock Compressor Station

Table 3.3
Fourth Quarter 2025 Water Quality Field Parameters
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well ID	Sample Date	Depth to Water (ft bTOC)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (deg C)	Salinity (ppt)	Total Dissolved Solids (mg/L)	ORP (mV)
Extraction Wells										
IRZ-09-100	11/12/2025	nm	7.59	15,115	0.00	1.15	28.6	nm	nm	-2.0
IRZ-13D-210	11/12/2025	nm	7.32	20,431	0.10	0.63	28.1	nm	nm	8.3
IRZ-13S-095	11/12/2025	nm	7.26	14,713	0.00	0.78	28.4	nm	nm	9.5
IRZ-23-143	11/12/2025	nm	6.43	7,355	0.20	3.28	27.5	nm	nm	122.3
PTI-1D	10/28/2025	nm	6.69	16,036	1.10	1.17	24.5	nm	nm	90.6
PTI-1D	11/12/2025	nm	7.01	16,258	0.00	1.82	26.0	nm	nm	20.4
PTI-1D	12/23/2025	nm	6.48	10,374	2.30	1.66	23.0	nm	nm	5.0
Monitoring Wells										
CW-01D	12/11/2025	109.4	7.64	6,326	8.00	7.79	27.1	3.44	4,110	135.6
CW-01M	12/11/2025	108.84	7.77	6,790	10.00	8.13	27.3	3.71	4,420	130.4
CW-02D	12/11/2025	95.24	8.05	7,726	9.00	4.89	27.5	4.25	5,010	98.7
CW-02M	12/11/2025	95.29	8.02	7,638	7.00	3.67	27.4	4.21	4,970	78.9
CW-03D	12/11/2025	79.82	8.19	7,776	9.00	4.48	27.9	4.27	5,030	96.4
CW-03M	12/11/2025	80.11	8.02	7,675	9.00	3.68	27.9	4.22	4,980	85.5
CW-04D	12/11/2025	64.14	8.09	8,025	7.00	3.98	28.2	4.42	5,210	90.9
CW-04M	12/11/2025	64.11	7.87	7,553	9.00	4.49	27.7	4.15	4,900	92.1
IRZ-21-065	11/12/2025	nm	7.22	14,436	0.00	1.07	28.9	nm	nm	-1.3
IRZ-21-157	11/12/2025	nm	7.26	15,800	1.80	0.78	28.2	nm	nm	-27.6
IRZ-25-100	11/12/2025	nm	7.16	12,330	2.10	2.22	29.4	nm	nm	-8.2
IRZ-25-166	11/12/2025	nm	7.08	15,301	1.80	1.03	30.0	nm	nm	-59.5
MW-09	12/18/2025	82.23	7.18	3,475	10.00	2.63	22.0	1.90	2,392	140.0
MW-10	12/18/2025	76.77	7.04	1,460	18.00	5.52	24.3	0.74	963	185.1
MW-107-041	12/12/2025	25.6	6.87	17,085	10.00	1.13	22.2	10.59	11,630	147.2
MW-107-076	12/12/2025	25.41	7.35	11,156	10.00	1.14	21.8	6.74	7,651	171.1
MW-10D	12/18/2025	77.42	7.43	3,234	14.00	3.82	18.5	1.93	2,383	165.9
MW-11	12/18/2025	67.73	7.19	2,411	18.00	6.43	23.1	1.29	1,615	162.6
MW-11D	12/18/2025	68.67	7.03	7,491	15.00	2.01	23.7	4.25	5,026	132.2
MW-12	12/16/2025	29.82	7.43	9,384	15.00	4.52	23.9	5.39	6,241	150.6
MW-13	11/25/2025	30.34	6.85	3,527	15.00	3.80	25.1	1.85	2,291	112.9
MW-14	11/25/2025	114.81	7.25	3,835	10.00	6.26	23.4	2.10	2,575	182.2
MW-15	12/09/2025	187.03	7.87	1,996	4.00	3.25	24.3	1.01	1,290	81.2
MW-19	12/15/2025	46.87	7.13	2,420	15.00	6.33	24.1	1.25	1,571	135.2
MW-20-070	10/21/2025	45.52	7.45	2,942	18.00	5.05	28.8	1.52	1,910	137.1
MW-20-070	11/11/2025	45.75	7.72	2,936	7.00	5.72	26.8	1.52	1,900	157.1
MW-20-070	12/10/2025	46.7	7.34	3,322	17.00	1.75	25.2	1.74	2,143	117.3
MW-20-100	10/21/2025	44.93	7.09	4,249	12.00	1.23	29.2	2.24	2,760	141.4
MW-20-100	11/11/2025	45.93	7.42	4,123	11.00	2.32	29.0	2.17	2,670	166.8
MW-20-100	12/10/2025	45.86	7.12	6,027	18.00	2.68	26.3	3.18	3,810	162.9
MW-20-130	10/21/2025	45.39	7.23	9,445	22.00	0.20	29.5	5.26	6,140	139.5
MW-20-130	11/11/2025	46.32	7.54	8,942	9.00	0.34	29.7	4.96	5,810	165.9
MW-20-130	12/10/2025	46.38	7.06	11,515	15.00	1.31	26.6	6.27	7,241	176.4
MW-21	10/21/2025	50.72	7.68	12,463	30.00	0.54	27.0	7.11	8,090	59.3
MW-21	11/12/2025	50.72	7.50	11,919	32.00	2.10	28.9	6.77	7,750	79.6
MW-21	12/10/2025	51.21	6.75	14,425	19.00	0.72	26.1	8.12	9,145	121.1
MW-22	12/10/2025	4.32	6.49	24,671	129.00	0.29	27.1	15.82	16,730	-75.5
MW-23-060	12/11/2025	51.03	8.89	15,423	18.00	2.12	24.5	9.18	10,610	129.6
MW-23-080	12/11/2025	50.62	9.41	6,502	10.00	2.57	24.5	3.60	4,293	161.1
MW-24A	12/17/2025	113.13	7.26	1,995	18.00	1.33	24.3	1.03	1,311	171.3
MW-24B	12/17/2025	111.1	7.43	12,204	6.00	3.73	15.2	8.65	9,621	163.6
MW-24BR	12/18/2025	109.66	7.84	15,225	4.00	0.40	28.9	8.84	9,890	-58.9
MW-25	12/10/2025	89.26	7.14	2,342	14.00	5.65	25.3	1.19	1,500	143.2
MW-26	10/22/2025	47.72	7.05	9,833	10.00	0.95	27.2	5.22	6,130	192.5
MW-26	11/13/2025	52.41	7.11	10,033	15.00	0.61	27.2	5.42	6,272	121.5
MW-26	12/09/2025	49.73	7.19	9,145	7.00	0.72	25.4	5.08	5,901	161.9
MW-27-020	11/13/2025	7.02	7.75	1,015	9.00	4.27	21.3	0.50	660	105.7
MW-27-060	11/13/2025	7.78	7.78	3,815	10.00	8.02	19.9	2.02	2,480	96.3
MW-27-085	11/13/2025	7.58	7.74	11,634	8.00	7.64	20.0	6.65	7,560	95.7
MW-28-025	11/19/2025	12.49	6.88	1,888	10.00	0.42	21.0	1.08	1,315	72.1
MW-28-090	11/19/2025	13.34	7.15	7,414	11.00	0.34	17.5	4.82	5,596	92.1
MW-29	11/25/2025	31.82	7.44	6,195	9.00	1.07	24.9	3.37	4,020	-8.9
MW-30-030R	11/11/2025	15.31	7.24	2,233	12.00	0.31	25.1	1.18	1,445	160.9
MW-30-050	11/11/2025	15.19	7.14	5,879	12.00	0.35	24.0	3.26	3,865	101.2
MW-31-060	10/20/2025	39.74	7.56	7,730	32.00	0.30	28.7	4.25	5,020	-20.7
MW-31-060	11/11/2025	40.34	7.92	7,685	26.00	0.74	27.9	4.23	4,990	-20.2
MW-31-060	12/09/2025	41.82	7.19	8,335	10.00	0.81	23.5	4.79	5,574	121.9
MW-31-135	10/20/2025	41.38	7.56	8,824	30.00	0.71	28.7	4.92	5,740	126.6
MW-31-135	11/11/2025	41.46	7.95	8,717	14.00	0.35	26.3	4.84	5,660	159.6
MW-31-135	12/09/2025	111.88	6.99	466	21.00	1.70	22.2	0.23	331	183.4
MW-32-020	11/19/2025	7.16	6.94	25,074	10.00	0.23	24.1	15.32	16,450	130.1
MW-32-035	11/19/2025	7.55	6.74	11,467	13.00	0.26	23.1	6.79	7,725	174.4
MW-33-040	11/20/2025	33.97	7.80	11,981	8.00	0.52	25.8	6.83	7,790	50.9
MW-33-090	11/20/2025	34.07	7.47	8,783	5.00	0.63	25.8	4.87	6,680	55.2
MW-33-150	11/20/2025	34.56	7.44	16,379	4.00	0.62	25.7	9.46	10,510	45.5
MW-33-210	11/20/2025	33.49	7.65	19,224	5.00	0.64	25.7	11.28	12,370	36.6
MW-34-055	11/12/2025	7.23	7.70	1,061	2.00	1.71	20.4	0.53	690	110.6
MW-34-080	11/12/2025	7.38	7.73	8,515	7.00	1.63	20.3	4.76	5,540	104.3
MW-34-100	10/22/2025	7.52	7.39	12,786	5.00	0.18	20.8	7.37	8,310	117.1
MW-34-100	11/12/2025	7.39	7.79	12,431	6.00	1.67	20.3	7.15	8,080	100.6

Table 3.3
Fourth Quarter 2025 Water Quality Field Parameters
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well ID	Sample Date	Depth to Water (ft bTOC)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (deg C)	Salinity (ppt)	Total Dissolved Solids (mg/L)	ORP (mV)
MW-34-100	12/09/2025	8.05	7.58	9,908	9.00	0.70	20.1	5.62	6,420	69.7
MW-35-060	12/15/2025	29.6	7.14	6,652	10.00	1.65	24.6	3.65	4,320	177.2
MW-35-135	12/15/2025	28.58	7.71	2,601	13.00	1.03	26.3	1.27	1,653	152.2
MW-36-020	11/12/2025	18	7.01	8,515	8.00	0.33	25.4	4.62	5,410	70.6
MW-36-040	11/12/2025	19.75	7.43	1,533	17.00	0.43	25.1	0.72	1,005	124.9
MW-36-050	11/12/2025	19.5	7.23	1,372	12.00	0.92	23.3	0.74	922	165.1
MW-36-070	11/12/2025	19.44	7.24	2,743	12.00	0.32	25.1	1.42	1,766	140.2
MW-36-090	11/12/2025	18.46	7.19	6,373	12.00	0.75	28.4	3.22	3,905	82.1
MW-36-100	10/21/2025	16.15	6.96	11,449	12.00	0.23	27.4	6.15	7,065	160.9
MW-36-100	11/12/2025	20.54	7.07	9,653	8.00	0.82	21.8	5.83	6,663	95.5
MW-36-100	12/09/2025	20.64	6.98	9,600	9.00	0.34	22.5	5.73	6,610	-100.5
MW-37D	11/20/2025	35.83	7.34	9,922	18.00	1.92	23.7	5.67	6,565	152.6
MW-37S	11/20/2025	36.97	7.46	8,825	15.00	1.71	25.6	4.86	5,682	103.1
MW-38D	12/18/2025	72.47	11.13	13,375	13.00	1.44	18.3	9.03	10,010	131.2
MW-38S	12/18/2025	70.96	7.97	2,508	14.00	5.41	22.6	1.33	1,705	154.3
MW-39-040	11/11/2025	14.1	7.62	1,201	6.00	0.35	22.4	0.63	825	100.7
MW-39-050	11/11/2025	15.46	7.15	2,873	16.00	0.55	21.0	1.62	2,016	132.7
MW-39-060	11/11/2025	22.85	7.11	2,853	18.00	0.66	20.5	1.63	2,025	102.1
MW-39-070	10/20/2025	14.25	6.99	4,738	16.00	0.43	22.2	2.65	3,233	206.1
MW-39-070	11/11/2025	14.91	7.03	4,705	21.00	0.42	21.6	2.72	3,275	143.6
MW-39-070	12/08/2025	15	7.04	4,247	10.00	0.27	23.3	2.31	2,850	64.6
MW-39-080	10/20/2025	14.32	7.02	7,212	13.00	0.51	24.3	3.90	4,623	248.5
MW-39-080	11/11/2025	16	7.15	7,403	7.00	0.53	21.2	4.44	5,165	81.1
MW-39-080	12/08/2025	16	7.19	3,547	10.00	0.28	24.1	1.86	2,300	66.4
MW-39-100	10/20/2025	14.3	7.04	16,501	10.00	1.10	22.3	10.35	11,230	247.1
MW-39-100	11/11/2025	17.56	7.11	15,931	17.00	1.05	21.1	10.12	11,230	121.1
MW-39-100	12/08/2025	16.1	6.99	12,972	10.00	2.27	23.6	7.48	8,420	101.4
MW-40D	12/11/2025	112.65	7.54	13,956	5.00	0.61	28.2	8.03	9,050	67.4
MW-40S	12/11/2025	112.15	7.76	2,819	8.00	1.37	28.2	1.41	1,770	77.5
MW-41D	11/25/2025	25.61	7.83	16,728	7.00	0.75	24.5	9.83	10,850	80.5
MW-41M	11/25/2025	25.86	7.89	12,487	11.00	2.04	17.5	7.20	8,130	168.0
MW-41S	11/25/2025	26.22	7.93	6,533	13.00	6.33	21.8	3.58	4,240	173.7
MW-42-030	11/14/2025	10.84	7.33	2,751	18.00	0.98	22.2	1.65	1,995	98.5
MW-42-055	11/14/2025	22	7.28	2,721	10.00	0.85	21.3	1.54	1,893	120.0
MW-42-065	11/14/2025	17.98	6.65	10,873	15.00	0.91	21.3	6.65	7,653	59.1
MW-43-025	10/22/2025	9	7.55	2,280	24.00	4.50	22.8	1.17	1,480	40.9
MW-43-025	11/14/2025	8.94	7.68	2,351	2.00	0.47	22.9	1.21	1,520	64.4
MW-43-075	11/14/2025	9.19	7.71	11,548	4.00	5.51	22.0	6.60	7,510	86.2
MW-43-090	11/14/2025	9.38	7.70	16,470	7.00	4.40	21.8	9.68	10,710	93.7
MW-44-070	11/13/2025	18.44	7.51	5,344	4.00	1.38	23.6	2.88	3,470	86.7
MW-44-115	10/22/2025	18.42	7.48	14,275	7.00	0.21	23.3	8.28	9,280	118.8
MW-44-115	11/13/2025	18.56	7.49	14,528	13.00	2.84	24.0	8.43	9,440	107.7
MW-44-115	12/09/2025	18.71	7.71	15,322	9.00	0.15	22.8	9.36	10,390	64.9
MW-44-125	10/22/2025	18.36	7.50	15,103	4.00	0.09	24.3	8.80	9,820	116.4
MW-44-125	11/13/2025	18.52	7.55	14,874	3.00	1.43	24.6	8.65	9,670	103.5
MW-44-125	12/09/2025	18.62	7.69	15,076	10.00	0.46	23.0	9.13	10,040	38.5
MW-45-095A	11/13/2025	14.87	7.51	7,802	8.00	1.46	23.4	4.32	5,080	105.5
MW-46-175	10/22/2025	28.97	7.65	17,647	10.00	0.53	23.3	10.42	11,470	116.1
MW-46-175	11/13/2025	28.93	7.74	17,066	12.00	6.25	25.2	10.01	11,070	105.5
MW-46-175	12/12/2025	30.24	7.61	17,076	16.00	1.00	18.7	10.09	11,100	114.3
MW-46-205	12/18/2025	30.58	8.01	20,779	4.00	0.57	21.4	12.47	13,510	79.2
MW-47-055	11/24/2025	29.39	7.40	4,482	9.00	2.82	22.1	2.52	3,063	85.4
MW-47-115	11/24/2025	29.18	7.31	14,925	17.00	0.92	23.3	8.80	9,936	136.9
MW-48	12/16/2025	33.82	6.69	12,814	16.00	0.73	23.4	7.69	8,563	128.9
MW-49-135	11/25/2025	31.08	7.73	14,134	7.00	1.32	24.9	8.18	9,170	66.9
MW-49-275	11/25/2025	31.44	7.74	24,238	4.00	1.11	24.5	14.70	15,730	57.1
MW-49-365	11/25/2025	33.12	7.73	36,069	4.00	1.27	24.9	22.79	23,430	83.3
MW-50-095	12/17/2025	43.44	7.29	5,924	14.00	1.54	23.1	3.37	4,032	185.9
MW-50-200	12/17/2025	43.5	7.29	13,260	10.00	0.64	22.7	8.02	8,983	135.5
MW-51	10/21/2025	47	7.47	7,998	15.00	0.15	28.8	4.40	5,200	130.1
MW-51	11/13/2025	52.8	7.12	10,101	13.00	0.49	26.6	5.47	6,332	73.5
MW-51	12/09/2025	47.92	7.01	7,733	10.00	0.81	24.5	4.35	5,101	135.6
MW-52D	11/18/2025	16.35	6.03	20,792	17.00	0.45	18.3	14.32	15,530	162.7
MW-52M	11/18/2025	13.63	6.64	14,682	13.00	0.46	16.1	10.28	11,300	93.4
MW-52S	11/18/2025	10.33	6.83	13,525	15.00	0.43	18.2	8.83	9,885	83.9
MW-53D	11/18/2025	7.82	6.55	19,155	15.00	1.45	16.9	1.28	14,730	172.1
MW-53M	11/18/2025	11.82	7.01	14,245	15.00	0.63	14.5	10.55	11,630	170.1
MW-53S	11/18/2025	13.75	6.80	1,805	7.00	0.84	17.3	1.05	1,373	98.2
MW-54-085	12/18/2025 ^b	nm	nm	nm	nm	nm	nm	nm	nm	nm
MW-54-140	12/18/2025 ^b	nm	nm	nm	nm	nm	nm	nm	nm	nm
MW-54-195	12/18/2025 ^b	nm	nm	nm	nm	nm	nm	nm	nm	nm
MW-55-045	12/16/2025	11.58	7.46	1,604	13.00	0.43	22.3	0.84	1,101	164.1
MW-55-120	12/16/2025	11.51	7.82	6,701	20.00	1.03	21.4	3.94	4,655	92.9
MW-56D	12/16/2025	14.7	7.50	20,118	7.00	0.29	23.1	12.02	13,080	101.7
MW-56M	12/16/2025	14.09	7.54	13,459	4.00	1.33	22.3	7.78	8,750	98.6
MW-56S	12/16/2025	14.15	7.55	5,877	11.00	1.50	21.7	3.20	3,820	99.4
MW-57-050	11/21/2025 ^a	dry	nm	nm	nm	nm	nm	nm	nm	nm
MW-57-070	11/21/2025	53.43	6.97	1,882	10.00	1.03	23.3	1.03	1,263	92.6
MW-57-185	11/21/2025	52.58	10.43	1,115	15.00	1.21	20.1	0.61	793	102.4

Table 3.3
Fourth Quarter 2025 Water Quality Field Parameters
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well ID	Sample Date	Depth to Water (ft bTOC)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (deg C)	Salinity (ppt)	Total Dissolved Solids (mg/L)	ORP (mV)
MW-58-065	12/09/2025 ^a	dry	nm	nm	nm	nm	nm	nm	nm	nm
MW-58BR	12/09/2025	68.66	7.81	7,225	7.00	2.64	27.8	3.95	4,690	116.5
MW-59-100	11/21/2025	82.57	7.09	3,182	15.00	6.71	17.3	2.07	2,513	150.2
MW-60-125	11/25/2025	99.79	7.32	9,305	19.00	1.13	24.1	5.31	6,142	167.3
MW-60BR-245	12/09/2025	101.04	8.00	16,050	29.00	2.85	24.4	9.39	10,430	115.0
MW-61-110	11/25/2025	87.18	7.57	3,993	8.00	0.47	25.0	2.11	2,595	161.9
MW-62-065	11/25/2025	48.86	7.17	6,766	13.00	0.99	23.0	3.86	4,574	92.3
MW-62-110	12/17/2025	nm	7.62	14,432	7.00	0.45	27.4	8.35	9,390	-109.5
MW-62-190	12/17/2025	nm	7.92	27,096	11.00	0.55	27.3	17.71	18,840	-136.9
MW-63-065	11/25/2025	50.01	7.05	6,173	9.00	2.24	20.2	3.75	4,405	125.4
MW-64BR	12/16/2025	122.56	7.74	12,069	14.00	0.63	24.8	6.88	7,830	-44.6
MW-65-160	12/17/2025	142.36	7.73	3,731	27.00	1.83	28.1	1.96	2,420	135.5
MW-65-225	12/17/2025	142.22	7.32	11,653	9.00	0.41	26.7	6.51	7,560	52.1
MW-66-165	11/24/2025	131.58	7.60	3,586	14.00	1.88	26.5	1.87	2,320	65.6
MW-66-230	11/24/2025	131.91	7.55	18,128	8.00	1.35	27.4	10.67	11,770	75.9
MW-66BR-270	11/24/2025	130.62	nm	nm	nm	nm	nm	nm	nm	nm
MW-67-185	12/17/2025	171.89	7.79	4,610	16.00	0.82	28.1	2.45	2,990	135.2
MW-67-225	12/17/2025	171.82	7.79	4,581	10.00	2.74	28.2	2.43	2,970	134.8
MW-67-260	12/17/2025	171.61	10.32	16,588	8.00	0.34	26.9	9.65	10,530	-47.5
MW-68-180	12/17/2025	166.84	7.73	3,853	13.00	4.85	28.9	2.03	2,510	134.4
MW-68-240	12/17/2025	166.91	7.43	16,933	5.00	0.34	27.9	9.89	10,980	70.9
MW-68BR-280	12/17/2025	165.16	8.03	21,812	4.00	0.31	29.4	13.07	14,180	-97.5
MW-69-195	12/17/2025	176.56	7.71	3,236	21.00	0.60	25.5	1.68	2,050	63.2
MW-70-105	12/09/2025	82.96	7.82	2,940	11.00	2.69	25.7	1.52	1,910	110.4
MW-70BR-225	12/16/2025	79.9	7.97	12,868	5.00	0.72	26.6	7.36	8,340	78.2
MW-70BR-287	12/16/2025	83.33	8.91	16,642	8.00	0.78	25.5	9.74	10,800	78.9
MW-71-035	10/21/2025	28.85	7.61	7,963	31.00	0.78	27.8	4.40	5,180	122.8
MW-71-035	11/12/2025	29.06	7.50	6,408	30.00	2.70	29.0	3.47	4,160	105.1
MW-71-035	12/10/2025	29.47	6.99	6,115	10.00	5.23	26.1	3.32	3,958	173.9
MW-72-080	11/25/2025	60.4	8.00	15,007	32.00	0.54	25.7	8.71	9,750	177.4
MW-72BR-200	11/25/2025	60.32	7.96	14,617	3.00	0.60	25.7	8.47	9,500	194.9
MW-73-080	11/25/2025	52.71	7.54	9,848	14.00	1.32	24.2	5.55	6,380	44.1
MW-74-240	11/24/2025	216.96	7.86	925	9.00	1.11	27.5	0.45	590	36.5
MW-75-033	11/17/2025	19.91	7.58	3,208	3.00	1.81	26.2	1.67	2,080	161.6
MW-75-117	11/17/2025	19.89	7.56	11,587	4.00	0.08	26.6	6.59	7,530	156.3
MW-75-202	11/17/2025	19.54	7.54	15,802	8.00	0.17	26.1	9.21	10,270	154.5
MW-75-267	11/17/2025	19.23	7.49	20,352	11.00	0.16	25.6	12.13	13,220	144.5
MW-75-337	11/17/2025	21.73	7.66	26,563	7.00	5.28	25.1	16.26	17,270	104.1
MW-76-039	10/21/2025	26.83	6.95	9,877	15.00	0.68	25.7	5.43	6,312	181.3
MW-76-039	11/12/2025	26.93	7.69	7,557	17.00	1.43	28.2	4.15	4,910	112.1
MW-76-039	12/08/2025	28.68	6.98	9,180	19.00	0.53	24.0	5.26	6,093	173.9
MW-76-156	10/21/2025	26.91	6.84	9,755	16.00	0.51	25.3	5.44	6,292	242.1
MW-76-156	11/12/2025	27.11	7.49	7,766	20.00	1.89	28.3	4.27	5,050	114.3
MW-76-156	12/08/2025	28.55	6.84	8,769	8.00	0.91	23.1	5.07	5,905	136.2
MW-76-181	10/21/2025	26.79	6.96	9,655	8.00	0.71	24.5	5.49	6,355	241.1
MW-76-181	11/12/2025	28.55	7.51	7,709	11.00	0.49	28.6	4.24	5,010	108.3
MW-76-181	12/08/2025	29.1	7.10	9,215	10.00	0.64	24.1	5.24	6,054	151.9
MW-76-218	10/21/2025	26.86	7.13	9,112	13.00	3.63	21.2	5.55	6,345	239.2
MW-76-218	11/12/2025	27.87	7.42	7,832	10.00	0.42	28.3	4.31	5,090	110.7
MW-76-218	12/08/2025	28.82	7.21	9,145	10.00	0.93	24.4	5.12	6,003	165.2
MW-77-046	11/12/2025	29.74	7.15	9,624	15.00	0.92	25.0	5.43	6,221	119.4
MW-77-102	11/10/2025	29.3	6.85	10,392	15.00	0.88	25.3	5.85	6,722	127.5
MW-77-158	11/10/2025	28.9	6.94	9,562	13.00	0.85	25.2	5.32	6,153	119.5
MW-77-187	10/21/2025	24.56	7.43	10,705	15.00	0.64	28.6	5.55	6,475	153.3
MW-77-187	11/10/2025	26.56	7.63	10,525	16.00	1.12	28.3	5.52	6,425	98.3
MW-77-187	12/11/2025	25.91	7.64	8,409	15.00	1.00	19.7	5.25	6,065	165.9
MW-78-070	10/21/2025	47.2	7.40	7,148	46.00	0.08	28.3	3.91	4,650	133.3
MW-78-070	11/13/2025	65.82	7.03	9,443	13.00	0.83	25.2	5.21	6,085	80.5
MW-78-070	12/11/2025	48.57	6.86	9,138	10.00	0.86	25.0	5.15	5,963	117.9
MW-78-142	10/21/2025	47.38	7.50	8,580	21.00	1.49	28.4	4.75	5,580	128.9
MW-78-142	11/13/2025	52.1	7.03	10,032	12.00	0.91	24.5	5.63	6,670	127.1
MW-78-142	12/11/2025	48.75	7.02	9,523	16.00	1.14	23.1	5.53	6,385	141.7
MW-79-058	10/22/2025	46.8	6.89	9,741	17.00	0.93	25.5	5.42	6,245	192.1
MW-79-058	11/13/2025	50.8	6.92	9,571	16.00	0.53	26.2	5.23	6,110	95.5
MW-79-058	12/09/2025	47.7	6.95	9,315	13.00	0.92	25.3	5.16	6,031	172.1
MW-79-102	10/22/2025	46.58	6.28	433	10.00	1.23	24.2	0.23	287	161.9
MW-79-102	11/13/2025	49.46	6.76	5,781	16.00	0.44	25.3	3.23	3,852	121.5
MW-79-102	12/09/2025	47.65	7.28	9,418	8.00	0.90	24.0	5.37	6,200	153.2
MW-80-057	10/22/2025	49.14	6.85	10,016	10.00	0.95	27.1	5.35	6,253	142.2
MW-80-057	11/13/2025	54.53	6.89	10,235	10.00	0.43	27.1	5.52	6,382	68.1
MW-80-057	12/09/2025	49.81	6.93	9,371	7.00	0.64	25.0	5.22	6,051	82.5
MW-80-082	10/22/2025	49.02	6.89	9,613	13.00	0.04	26.3	5.18	6,031	100.5
MW-80-082	11/13/2025	54	7.02	10,015	16.00	0.33	28.1	5.31	6,153	71.3
MW-80-082	12/09/2025	49.53	6.96	9,033	13.00	0.61	25.3	5.02	5,230	120.4
MW-81-043	10/21/2025	23.7	6.93	10,425	13.00	0.32	28.1	5.52	6,382	195.1
MW-81-043	11/12/2025	28	6.98	9,733	7.00	0.31	25.7	5.35	6,246	103.9
MW-81-043	12/10/2025	27.87	7.10	9,796	10.00	3.09	28.6	5.58	6,470	38.7
MW-81-098	10/20/2025	24	6.98	10,619	12.00	1.66	29.7	5.51	6,423	145.2
MW-81-098	11/12/2025	25.42	7.03	9,933	10.00	1.91	26.3	5.45	6,300	65.1

Table 3.3
Fourth Quarter 2025 Water Quality Field Parameters
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well ID	Sample Date	Depth to Water (ft bTOC)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (deg C)	Salinity (ppt)	Total Dissolved Solids (mg/L)	ORP (mV)
MW-81-098	12/10/2025	25.15	6.95	8,884	9.00	1.61	28.5	4.68	5,500	30.5
MW-82-046	11/17/2025	32.25	7.16	16,661	16.00	0.44	23.4	10.25	11,220	93.5
MW-82-112	11/17/2025	34.1	6.97	9,935	10.00	0.83	22.1	5.84	6,723	191.9
MW-82-168	11/17/2025	32.43	7.03	8,625	12.00	1.11	21.4	5.15	5,980	68.9
MW-82-198	11/17/2025	32.7	7.26	8,948	10.00	1.14	21.5	5.39	6,232	117.6
MW-83-090	11/20/2025	75.33	7.92	1,778	15.00	3.77	27.3	0.90	1,150	171.5
MW-83-180	11/20/2025	75.28	7.74	9,719	41.00	1.07	27.7	5.45	6,330	158.0
MW-83-225	11/20/2025	76.32	7.68	12,510	47.00	1.05	27.0	7.15	8,130	164.5
MW-83-245	11/20/2025	74.95	7.60	11,551	40.00	0.72	27.8	6.56	7,520	171.0
MW-84-057	11/20/2025	48.21	7.04	2,174	14.00	2.81	22.8	1.12	1,466	109.7
MW-84-095	11/20/2025	52.4	7.44	6,352	14.00	0.89	24.4	3.55	4,172	98.1
MW-84-132	11/20/2025	48.41	6.96	8,255	13.00	1.93	25.2	4.59	5,342	152.7
MW-84-193	11/20/2025	48.28	6.63	10,122	11.00	0.95	20.2	6.28	7,220	92.9
MW-85-129	11/20/2025	115.99	7.93	2,044	8.00	7.59	26.3	1.05	1,330	160.9
MW-85-217	11/20/2025	115.42	8.00	7,708	10.00	1.87	27.5	4.30	5,060	160.1
MW-85-237	11/20/2025	115.71	8.07	15,857	47.00	1.24	27.4	9.24	10,310	163.2
MW-86-030	11/19/2025	13.24	6.99	1,758	13.00	0.59	18.0	1.02	1,313	92.2
MW-86-066	11/19/2025	13.15	7.02	7,776	10.00	0.91	15.3	5.42	6,213	148.7
MW-86-120	11/19/2025	13.42	7.21	9,576	19.00	1.13	17.3	6.42	7,292	100.2
MW-86-140	11/19/2025	14.32	7.23	13,135	14.00	0.43	17.5	8.96	9,942	151.3
MW-87-109	11/25/2025	92.51	7.50	2,957	15.00	1.35	27.4	1.52	1,900	58.8
MW-87-139	11/25/2025	92.46	7.67	7,389	14.00	1.88	26.3	4.05	4,790	74.1
MW-87-192	11/25/2025	92.98	7.90	8,447	45.00	2.81	24.8	4.70	5,490	180.1
MW-87-275	11/25/2025	92.9	7.82	9,569	40.00	1.80	27.1	5.36	6,220	179.7
MW-88-107	12/18/2025	92.32	7.45	924	15.00	6.01	24.0	0.46	612	174.4
MW-89-183	12/11/2025	133.37	7.45	6,502	49.00	5.19	26.2	3.53	4,210	114.0
MW-89-273	12/11/2025	133.43	7.67	6,815	7.00	5.83	28.6	3.71	4,420	120.2
MW-90-031	12/10/2025	5.32	7.20	4,426	10.00	0.20	24.2	1.91	2,340	-15.1
MW-91-045	12/18/2025 ^b	nm	nm	nm	nm	nm	nm	nm	nm	nm
MW-91-120	12/18/2025 ^b	nm	nm	nm	nm	nm	nm	nm	nm	nm
MW-91-170	12/18/2025 ^b	nm	nm	nm	nm	nm	nm	nm	nm	nm
MW-91-320	12/18/2025 ^b	nm	nm	nm	nm	nm	nm	nm	nm	nm
MW-92-037	12/18/2025 ^b	nm	nm	nm	nm	nm	nm	nm	nm	nm
MW-92-072	12/18/2025 ^b	nm	nm	nm	nm	nm	nm	nm	nm	nm
MW-92-102	12/18/2025 ^b	nm	nm	nm	nm	nm	nm	nm	nm	nm
MW-92-122	12/18/2025 ^b	nm	nm	nm	nm	nm	nm	nm	nm	nm
MW-93-050	11/25/2025	30.32	7.29	3,813	10.00	3.73	24.3	2.04	2,503	172.4
MW-93-213	11/25/2025	30.64	7.69	11,687	19.00	0.85	23.7	6.81	7,776	110.1
MW-95-113	12/18/2025	99.33	7.71	1,269	18.00	2.16	25.7	0.63	810	75.2
MW-95-157	12/18/2025	99.25	7.46	5,859	14.00	1.62	26.7	3.16	3,790	78.2
MW-96-045	12/18/2025	31.3	7.51	16,151	9.00	0.35	25.8	9.55	10,570	80.8
MW-96-217	12/18/2025	31.54	7.41	19,583	7.00	0.41	25.6	11.82	12,710	40.9
MW-97-042	11/24/2025	27.01	7.31	3,644	16.00	2.51	24.4	1.94	2,393	121.9
MW-97-202	11/24/2025	26.37	6.75	18,983	12.00	0.82	24.9	11.29	12,360	72.1
MW-98-055	12/16/2025	47.97	7.85	4,240	9.00	0.35	25.7	2.25	2,760	41.2
MW-98-077	12/16/2025	47.82	7.76	12,328	9.00	0.43	25.8	7.04	8,010	37.5
OW-01D	12/11/2025	96.11	7.78	6,444	6.00	6.08	27.0	3.51	4,180	132.0
OW-01M	12/11/2025	96.15	7.74	6,544	7.00	7.75	27.3	3.56	4,250	132.2
OW-01S	12/11/2025	96.14	7.69	6,328	35.00	6.35	27.2	3.44	4,110	133.7
OW-02D	12/10/2025	94.72	7.70	6,282	5.00	3.53	24.4	3.42	4,080	115.3
OW-02M	12/10/2025	94.41	7.72	6,442	6.00	5.91	24.9	3.51	4,180	115.5
OW-02S	12/10/2025	94.76	7.75	2,673	9.00	6.41	26.2	1.38	1,730	118.6
OW-05D	12/10/2025	97.9	7.76	6,604	8.00	5.40	26.7	3.55	4,240	113.6
OW-05M	12/10/2025	97.29	7.79	6,340	10.00	6.79	26.0	3.45	4,120	113.2
OW-05S	12/10/2025	97.69	7.72	3,692	12.00	5.23	25.7	1.94	2,400	114.9
PGE-07BR	12/17/2025	111.83	7.82	19,332	4.00	0.23	30.9	11.34	12,490	-164.1
PGE-08	11/24/2025	143.05	8.11	17,766	10.00	0.76	27.9	10.47	11,580	165.8
PT5D	10/21/2025	20.02	7.45	14,463	15.00	0.23	30.1	7.55	8,683	165.1
PT5D	11/10/2025	20.09	7.75	9,950	4.00	0.06	24.9	5.60	6,470	164.9
PT5D	12/09/2025	20.32	7.70	10,498	10.00	0.20	23.7	6.10	6,990	36.9
PT5M	11/10/2025	19.92	7.64	6,777	9.00	0.09	24.2	3.71	4,400	172.8
PT5S	11/10/2025	19.94	7.66	1,159	7.00	0.05	23.8	0.58	750	142.1
PT6D	10/21/2025	22.18	6.78	6,999	13.00	0.23	24.1	3.68	4,595	240.2
PT6D	11/13/2025	22.41	7.48	8,298	6.00	1.45	24.5	4.61	5,390	110.0
PT6D	12/09/2025	22.37	7.17	5,795	9.00	0.17	23.9	3.67	4,400	-114.9
PT8D	12/17/2025	108.1	7.66	13,438	7.00	0.89	27.8	7.71	8,730	109.3
PT9D	12/17/2025	105.38	7.19	15,072	12.00	1.80	25.5	8.70	9,691	130.2
PT9M	12/17/2025	105.31	6.70	11,041	13.00	1.81	25.2	6.26	7,143	158.6
PT9S	12/17/2025	105.34	7.43	2,962	7.00	1.52	26.3	1.52	1,880	185.9
TW-01	11/21/2025	165.97	7.44	13,339	4.00	0.64	26.9	7.69	8,690	60.9
TW-02D	10/20/2025	39.74	7.56	8,005	5.00	0.20	28.4	4.41	5,200	125.7
TW-02D	11/11/2025	39.8	7.93	7,777	8.00	0.07	28.3	4.28	5,060	148.0
TW-02D	12/09/2025	41.34	7.81	7,762	8.00	0.13	27.8	4.27	5,040	110.6
TW-02S	10/20/2025	39.63	7.45	7,746	7.00	0.66	28.3	4.26	5,030	123.1
TW-02S	11/11/2025	39.79	7.93	7,569	5.00	0.56	28.1	4.16	4,920	156.2
TW-02S	12/09/2025	41.13	7.73	7,542	5.00	0.76	27.7	4.14	4,900	109.7
TW-03D	10/20/2025	39.54	7.54	8,193	4.00	0.17	28.5	4.52	5,330	125.6
TW-03D	11/11/2025	39.58	7.89	7,502	4.00	0.10	28.3	4.12	4,870	158.6
TW-03D	12/09/2025	41.02	7.84	8,643	9.00	0.22	28.0	4.80	5,620	107.7

Table 3.3
Fourth Quarter 2025 Water Quality Field Parameters
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well ID	Sample Date	Depth to Water (ft bTOC)	pH	Specific Conductance (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (deg C)	Salinity (ppt)	Total Dissolved Solids (mg/L)	ORP (mV)
TW-04	12/12/2025	31.81	7.62	18,332	8.00	0.69	27.1	10.81	11,910	116.9
TW-05	12/11/2025	43.42	7.31	11,155	10.00	2.66	24.6	6.25	7,200	171.4

Notes:

^a Well was not sampled this reporting period because there was an insufficient volume of groundwater.

^b Well was not sampled this reporting period because the access road to the well was closed due to construction activities unrelated to the site.

Acronyms and Abbreviations:

- µS/cm = microsiemen per centimeter
- deg C = degree Celsius
- ft bTOC = foot below the top of casing
- ID = identification
- mg/L = milligram per liter
- mV = millivolt
- nm = parameter was not measured
- NTU = nephelometric turbidity unit
- ORP = oxidation-reduction potential
- ppt = part per thousand

Table 4.1
Monitoring Well Inspection Results
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Location	Date	Well Inspection Completed?	Is the Well Labeled Properly?	Is the Well in Good Condition?	Description of Deficiencies (if noted)	Well Inspection Comments
CW-01D	12-11-2025	Yes	Yes	Good	--	--
CW-01M	12-11-2025	Yes	Yes	Good	--	--
CW-02D	12-11-2025	Yes	Yes	Good	--	--
CW-02M	12-11-2025	Yes	Yes	Good	--	--
CW-03D	12-11-2025	Yes	Yes	Good	--	--
CW-03M	12-11-2025	Yes	Yes	Good	--	--
CW-04D	12-11-2025	Yes	Yes	Good	--	--
CW-04M	12-11-2025	Yes	Yes	Good	--	--
Marina-1	11-18-2025	Yes	Yes	Good	--	--
MTS-1	11-18-2025	Yes	Yes	Good	--	--
MTS-2	11-18-2025	Yes	Yes	Good	--	--
MW-09	12-18-2025	Yes	Yes	Good	--	--
MW-10	12-18-2025	Yes	Yes	Good	--	--
MW-107-041	12-12-2025	Yes	Yes	Good	--	--
MW-107-076	12-12-2025	Yes	Yes	Good	--	--
MW-10D	12-18-2025	Yes	Yes	Good	--	--
MW-11	12-18-2025	Yes	Yes	Good	--	--
MW-11D	12-18-2025	Yes	Yes	Good	--	--
MW-12	12-16-2025	Yes	Yes	Good	--	--
MW-13	11-25-2025	Yes	Yes	Good	--	--
MW-14	11-25-2025	Yes	Yes	Good	--	--
MW-15	12-09-2025	Yes	Yes	Good	--	--
MW-19	12-15-2025	Yes	Yes	Good	--	--
MW-20-070	10-21-2025	Yes	Yes	Good	--	--
MW-20-070	11-11-2025	Yes	Yes	Good	--	--
MW-20-070	12-10-2025	Yes	Yes	Good	--	--
MW-20-100	10-21-2025	Yes	Yes	Good	--	--
MW-20-100	11-11-2025	Yes	Yes	Good	--	--
MW-20-100	12-10-2025	Yes	Yes	Good	--	--
MW-20-130	10-21-2025	Yes	Yes	Good	--	--
MW-20-130	11-11-2025	Yes	Yes	Good	--	--
MW-20-130	12-10-2025	Yes	Yes	Good	--	--
MW-21	10-21-2025	Yes	Yes	Good	--	--
MW-21	11-12-2025	Yes	Yes	Good	--	--
MW-21	12-10-2025	Yes	Yes	Good	--	--
MW-22	12-10-2025	Yes	Yes	Good	--	--
MW-23-060	12-11-2025	Yes	Yes	Good	--	--
MW-23-080	12-11-2025	Yes	Yes	Good	--	--
MW-24A	12-17-2025	Yes	Yes	Good	--	--
MW-24B	12-17-2025	Yes	Yes	Good	--	--
MW-24BR	12-17-2025	Yes	Yes	Good	--	--
MW-25	12-10-2025	Yes	Yes	Good	--	--
MW-26	10-22-2025	Yes	Yes	Good	--	--
MW-26	11-13-2025	Yes	Yes	Good	--	--
MW-26	12-09-2025	Yes	Yes	Good	--	--
MW-27-020	11-13-2025	Yes	Yes	Good	--	--
MW-27-060	11-13-2025	Yes	Yes	Good	--	--
MW-27-085	11-13-2025	Yes	Yes	Good	--	--
MW-28-025	11-19-2025	Yes	Yes	Good	--	--
MW-28-090	11-19-2025	Yes	Yes	Good	--	--
MW-29	11-25-2025	Yes	Yes	Good	--	--
MW-30-030R	11-11-2025	Yes	Yes	Good	--	--
MW-30-050	11-11-2025	Yes	Yes	Good	--	--
MW-31-060	10-20-2025	Yes	Yes	Good	--	--
MW-31-060	11-11-2025	Yes	Yes	Good	--	--
MW-31-060	12-09-2025	Yes	Yes	Good	--	--
MW-31-135	10-20-2025	Yes	Yes	Good	--	--
MW-31-135	11-11-2025	Yes	Yes	Good	--	--
MW-31-135	12-09-2025	Yes	Yes	Good	--	--
MW-32-020	11-19-2025	Yes	Yes	Good	--	--
MW-32-035	11-19-2025	Yes	Yes	Good	--	--
MW-33-040	11-20-2025	Yes	Yes	Good	--	--
MW-33-090	11-20-2025	Yes	Yes	Good	--	--
MW-33-150	11-20-2025	Yes	Yes	Good	--	--
MW-33-210	11-20-2025	Yes	Yes	Good	--	--
MW-34-055	11-12-2025	Yes	Yes	Good	--	--
MW-34-080	11-12-2025	Yes	Yes	Good	--	--
MW-34-100	10-22-2025	Yes	Yes	Good	--	--
MW-34-100	11-12-2025	Yes	Yes	Good	--	--
MW-34-100	12-09-2025	Yes	Yes	Good	--	--
MW-35-060	12-15-2025	Yes	Yes	Good	--	--
MW-35-135	12-15-2025	Yes	Yes	Good	--	--

**Table 4.1
Monitoring Well Inspection Results
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California**

Location	Date	Well Inspection Completed?	Is the Well Labeled Properly?	Is the Well in Good Condition?	Description of Deficiencies (if noted)	Well Inspection Comments
MW-36-020	11-12-2025	Yes	Yes	Good	--	--
MW-36-040	11-12-2025	Yes	Yes	Good	--	--
MW-36-050	11-12-2025	Yes	Yes	Good	--	--
MW-36-070	11-12-2025	Yes	Yes	Good	--	--
MW-36-090	11-12-2025	Yes	Yes	Good	--	--
MW-36-100	10-21-2025	Yes	Yes	Good	--	--
MW-36-100	11-12-2025	Yes	Yes	Good	--	--
MW-36-100	12-09-2025	Yes	Yes	Good	--	--
MW-37D	11-20-2025	Yes	Yes	Good	--	--
MW-37S	11-20-2025	Yes	Yes	Good	--	--
MW-38D	12-18-2025	Yes	Yes	Good	--	--
MW-38S	12-18-2025	Yes	Yes	Good	--	--
MW-39-040	11-11-2025	Yes	Yes	Good	--	--
MW-39-050	11-11-2025	Yes	Yes	Good	--	--
MW-39-060	11-11-2025	Yes	Yes	Good	--	--
MW-39-070	10-20-2025	Yes	Yes	Good	--	--
MW-39-070	11-11-2025	Yes	Yes	Good	--	--
MW-39-070	12-08-2025	Yes	Yes	Good	--	--
MW-39-080	10-20-2025	Yes	Yes	Good	--	--
MW-39-080	11-11-2025	Yes	Yes	Good	--	--
MW-39-080	12-08-2025	Yes	Yes	Good	--	--
MW-39-100	10-20-2025	Yes	Yes	Good	--	--
MW-39-100	11-11-2025	Yes	Yes	Good	--	--
MW-39-100	12-08-2025	Yes	Yes	Good	--	--
MW-40D	12-11-2025	Yes	Yes	Good	--	--
MW-40S	12-11-2025	Yes	Yes	Good	--	--
MW-41D	11-25-2025	Yes	Yes	Good	--	--
MW-41M	11-25-2025	Yes	Yes	Good	--	--
MW-41S	11-25-2025	Yes	Yes	Good	--	--
MW-42-030	11-14-2025	Yes	Yes	Good	--	--
MW-42-055	11-14-2025	Yes	Yes	Good	--	--
MW-42-065	11-14-2025	Yes	Yes	Good	--	--
MW-43-025	10-22-2025	Yes	Yes	Good	--	--
MW-43-025	11-14-2025	Yes	Yes	Good	--	--
MW-43-075	11-14-2025	Yes	Yes	Good	--	--
MW-43-090	11-14-2025	Yes	Yes	Good	--	--
MW-44-070	11-13-2025	Yes	Yes	Good	--	--
MW-44-115	10-22-2025	Yes	Yes	Good	--	--
MW-44-115	11-13-2025	Yes	Yes	Good	--	--
MW-44-115	12-09-2025	Yes	Yes	Good	--	--
MW-44-125	10-22-2025	Yes	Yes	Good	--	--
MW-44-125	11-13-2025	Yes	Yes	Good	--	--
MW-44-125	12-09-2025	Yes	Yes	Good	--	--
MW-45-095a	11-13-2025	Yes	Yes	Good	--	--
MW-46-175	10-22-2025	Yes	Yes	Good	--	--
MW-46-175	11-13-2025	Yes	Yes	Good	--	--
MW-46-175	12-12-2025	Yes	Yes	Good	--	--
MW-46-205	12-18-2025	Yes	Yes	Good	--	--
MW-47-055	11-24-2025	Yes	Yes	Good	--	--
MW-47-115	11-24-2025	Yes	Yes	Good	--	--
MW-48	12-16-2025	Yes	Yes	Good	--	--
MW-49-135	11-25-2025	Yes	Yes	Good	--	--
MW-49-275	11-25-2025	Yes	Yes	Good	--	--
MW-49-365	11-25-2025	Yes	Yes	Good	--	--
MW-50-095	12-17-2025	Yes	Yes	Good	--	--
MW-50-200	12-17-2025	Yes	Yes	Good	--	--
MW-51	10-21-2025	Yes	Yes	Good	--	--
MW-51	11-13-2025	Yes	Yes	Good	--	--
MW-51	12-09-2025	Yes	Yes	Good	--	--
MW-52D	11-18-2025	Yes	Yes	Good	--	--
MW-52M	11-18-2025	Yes	Yes	Good	--	--
MW-52S	11-18-2025	Yes	Yes	Good	--	--
MW-53D	11-18-2025	Yes	Yes	Good	--	--
MW-53M	11-18-2025	Yes	Yes	Good	--	--
MW-53S	11-18-2025	Yes	Yes	Good	--	--
MW-55-045	12-16-2025	Yes	Yes	Good	--	--
MW-55-120	12-16-2025	Yes	Yes	Good	--	--
MW-56D	12-16-2025	Yes	Yes	Good	--	--
MW-56M	12-16-2025	Yes	Yes	Good	--	--
MW-56S	12-16-2025	Yes	Yes	Good	--	--
MW-57-050	11-21-2025	Asset Dry	Yes	Good	--	--
MW-57-070	11-21-2025	Yes	Yes	Good	--	--

**Table 4.1
Monitoring Well Inspection Results
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California**

Location	Date	Well Inspection Completed?	Is the Well Labeled Properly?	Is the Well in Good Condition?	Description of Deficiencies (if noted)	Well Inspection Comments
MW-57-185	11-21-2025	Yes	Yes	Good	--	--
MW-58-065	12-09-2025	Asset Dry	Yes	Good	--	--
MW-58BR	12-09-2025	Yes	Yes	Good	--	--
MW-59-100	11-21-2025	Yes	Yes	Good	--	--
MW-60-125	11-25-2025	Yes	Yes	Good	--	--
MW-60BR-245	12-09-2025	Yes	Yes	Good	--	--
MW-61-110	11-25-2025	Yes	Yes	Good	--	--
MW-62-065	11-25-2025	Yes	Yes	Good	--	--
MW-62-110	12-16-2025	Yes	Yes	Good	--	--
MW-62-190	12-16-2025	Yes	Yes	Good	--	--
MW-63-065	11-25-2025	Yes	Yes	Good	--	--
MW-64BR	12-16-2025	Yes	Yes	Good	--	--
MW-65-160	12-17-2025	Yes	Yes	Good	--	--
MW-65-225	12-17-2025	Yes	Yes	Good	--	--
MW-66-165	11-24-2025	Yes	Yes	Good	--	--
MW-66-230	11-24-2025	Yes	Yes	Good	--	--
MW-66BR-270	11-10-2025	Yes	Yes	Good	--	--
MW-67-185	12-17-2025	Yes	Yes	Good	--	--
MW-67-225	12-17-2025	Yes	Yes	Good	--	--
MW-67-260	12-17-2025	Yes	Yes	Good	--	--
MW-68-180	12-17-2025	Yes	Yes	Good	--	--
MW-68-240	12-17-2025	Yes	Yes	Good	--	--
MW-68BR-280	12-17-2025	Yes	Yes	Good	--	--
MW-69-195	12-17-2025	Yes	Yes	Good	--	--
MW-70-105	12-09-2025	Yes	Yes	Good	--	--
MW-70BR-225	12-16-2025	Yes	Yes	Good	--	--
MW-70BR-287	12-16-2025	Yes	Yes	Good	--	--
MW-71-035	10-21-2025	Yes	Yes	Good	--	--
MW-71-035	11-12-2025	Yes	Yes	Good	--	--
MW-71-035	12-10-2025	Yes	Yes	Good	--	--
MW-72-080	11-25-2025	Yes	Yes	Good	--	--
MW-72BR-200	11-25-2025	Yes	Yes	Good	--	--
MW-73-080	11-25-2025	Yes	Yes	Poor	Well box removed to accommodate pipeline work and needs replacement	--
MW-74-240	11-24-2025	Yes	Yes	Good	--	--
MW-75-033	11-17-2025	Yes	Yes	Good	--	--
MW-75-117	11-17-2025	Yes	Yes	Good	--	--
MW-75-202	11-17-2025	Yes	Yes	Good	--	--
MW-75-267	11-17-2025	Yes	Yes	Good	--	--
MW-75-337	11-17-2025	Yes	Yes	Good	--	--
MW-76-039	10-21-2025	Yes	Yes	Good	--	--
MW-76-039	11-12-2025	Yes	Yes	Good	--	--
MW-76-039	12-08-2025	Yes	Yes	Good	--	--
MW-76-156	10-21-2025	Yes	Yes	Good	--	--
MW-76-156	11-12-2025	Yes	Yes	Good	--	--
MW-76-156	12-08-2025	Yes	Yes	Good	--	--
MW-76-181	10-21-2025	Yes	Yes	Good	--	--
MW-76-181	11-12-2025	Yes	Yes	Good	--	--
MW-76-181	12-08-2025	Yes	Yes	Good	--	--
MW-76-218	10-21-2025	Yes	Yes	Good	--	--
MW-76-218	11-12-2025	Yes	Yes	Good	--	--
MW-76-218	12-08-2025	Yes	Yes	Good	--	--
MW-77-046	11-12-2025	Yes	Yes	Good	--	--
MW-77-102	11-10-2025	Yes	Yes	Good	--	--
MW-77-158	11-10-2025	Yes	Yes	Good	--	--
MW-77-187	10-21-2025	Yes	Yes	Good	--	--
MW-77-187	11-10-2025	Yes	Yes	Good	--	--
MW-77-187	12-11-2025	Yes	Yes	Good	--	--
MW-78-070	10-21-2025	Yes	Yes	Good	--	--
MW-78-070	11-13-2025	Yes	Yes	Good	--	--
MW-78-070	12-11-2025	Yes	Yes	Good	--	--
MW-78-142	10-21-2025	Yes	Yes	Good	--	--
MW-78-142	11-13-2025	Yes	Yes	Good	--	--
MW-78-142	12-11-2025	Yes	Yes	Good	--	--
MW-79-058	10-22-2025	Yes	Yes	Good	--	--
MW-79-058	11-13-2025	Yes	Yes	Good	--	--
MW-79-058	12-09-2025	Yes	Yes	Good	--	--
MW-79-102	10-22-2025	Yes	Yes	Good	--	--
MW-79-102	11-13-2025	Yes	Yes	Good	--	--
MW-79-102	12-09-2025	Yes	Yes	Good	--	--
MW-80-057	10-22-2025	Yes	Yes	Good	--	--
MW-80-057	11-13-2025	Yes	Yes	Good	--	--

**Table 4.1
Monitoring Well Inspection Results
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California**

Location	Date	Well Inspection Completed?	Is the Well Labeled Properly?	Is the Well in Good Condition?	Description of Deficiencies (if noted)	Well Inspection Comments
MW-80-057	12-09-2025	Yes	Yes	Good	--	--
MW-80-082	10-22-2025	Yes	Yes	Good	--	--
MW-80-082	11-13-2025	Yes	Yes	Good	--	--
MW-80-082	12-09-2025	Yes	Yes	Good	--	--
MW-81-043	10-20-2025	Yes	Yes	Good	--	--
MW-81-043	11-12-2025	Yes	Yes	Good	--	--
MW-81-043	12-10-2025	Yes	Yes	Good	--	--
MW-81-098	10-20-2025	Yes	Yes	Good	--	--
MW-81-098	11-12-2025	Yes	Yes	Good	--	--
MW-81-098	12-10-2025	Yes	Yes	Good	--	--
MW-82-046	11-17-2025	Yes	Yes	Good	--	--
MW-82-112	11-17-2025	Yes	Yes	Good	--	--
MW-82-168	11-17-2025	Yes	Yes	Good	--	--
MW-82-198	11-17-2025	Yes	Yes	Good	--	--
MW-83-090	11-20-2025	Yes	Yes	Good	--	--
MW-83-180	11-20-2025	Yes	Yes	Good	--	--
MW-83-225	11-20-2025	Yes	Yes	Good	--	--
MW-83-245	11-20-2025	Yes	Yes	Good	--	--
MW-84-057	11-20-2025	Yes	Yes	Good	--	--
MW-84-095	11-20-2025	Yes	Yes	Good	--	--
MW-84-132	11-20-2025	Yes	Yes	Good	--	--
MW-84-193	11-20-2025	Yes	Yes	Good	--	--
MW-85-129	11-20-2025	Yes	Yes	Good	--	--
MW-85-217	11-20-2025	Yes	Yes	Good	--	--
MW-85-237	11-20-2025	Yes	Yes	Good	--	--
MW-86-030	11-19-2025	Yes	Yes	Good	--	--
MW-86-066	11-19-2025	Yes	Yes	Good	--	--
MW-86-120	11-19-2025	Yes	Yes	Good	--	--
MW-86-140	11-19-2025	Yes	Yes	Good	--	--
MW-87-109	11-25-2025	Yes	Yes	Good	--	--
MW-87-139	11-25-2025	Yes	Yes	Good	--	--
MW-87-192	11-25-2025	Yes	Yes	Good	--	--
MW-87-275	11-25-2025	Yes	Yes	Good	--	--
MW-88-107	12-18-2025	Yes	Yes	Good	--	--
MW-89-183	12-11-2025	Yes	Yes	Good	--	--
MW-89-273	12-11-2025	Yes	Yes	Good	--	--
MW-90-031	12-10-2025	Yes	Yes	Poor	Well box needs to be replaced, standpipe recommended	--
MW-93-050	11-25-2025	Yes	Yes	Good	--	--
MW-93-213	11-25-2025	Yes	Yes	Good	--	--
MW-94-030	11-18-2025	Yes	Yes	Good	--	--
MW-94-100	11-18-2025	Yes	Yes	Good	--	--
MW-94-175	11-18-2025	Yes	Yes	Good	--	--
MW-95-113	12-18-2025	Yes	Yes	Good	--	--
MW-95-157	12-18-2025	Yes	Yes	Good	--	--
MW-96-045	12-18-2025	Yes	Yes	Good	--	--
MW-96-217	12-18-2025	Yes	Yes	Good	--	--
MW-97-042	11-24-2025	Yes	Yes	Good	--	--
MW-97-202	11-24-2025	Yes	Yes	Good	--	--
MW-98-055	12-16-2025	Yes	Yes	Good	--	--
MW-98-077	12-16-2025	Yes	Yes	Good	--	--
OW-01D	12-11-2025	Yes	Yes	Good	--	--
OW-01M	12-11-2025	Yes	Yes	Good	--	--
OW-01S	12-11-2025	Yes	Yes	Good	--	--
OW-02D	12-10-2025	Yes	Yes	Good	--	--
OW-02M	12-10-2025	Yes	Yes	Good	--	--
OW-02S	12-10-2025	Yes	Yes	Good	--	--
OW-05D	12-10-2025	Yes	Yes	Good	--	--
OW-05M	12-10-2025	Yes	Yes	Good	--	--
OW-05S	12-10-2025	Yes	Yes	Good	--	--
PGE-07BR	12-17-2025	Yes	Yes	Good	--	--
PGE-08	11-24-2025	Yes	Yes	Good	--	--
PGE-09N	12-16-2025	Yes	Yes	Good	--	--
PGE-09S	12-16-2025	Yes	Yes	Good	--	--
PT5D	10-21-2025	Yes	Yes	Good	--	--
PT5D	11-10-2025	Yes	Yes	Good	--	--
PT5D	12-09-2025	Yes	Yes	Good	--	--
PT5M	11-10-2025	Yes	Yes	Good	--	--
PT5S	11-10-2025	Yes	Yes	Good	--	--
PT6D	10-21-2025	Yes	Yes	Good	--	--
PT6D	11-13-2025	Yes	Yes	Good	--	--
PT6D	12-09-2025	Yes	Yes	Good	--	--
PT8D	12-17-2025	Yes	Yes	Good	--	--

**Table 4.1
Monitoring Well Inspection Results
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California**

Location	Date	Well Inspection Completed?	Is the Well Labeled Properly?	Is the Well in Good Condition?	Description of Deficiencies (if noted)	Well Inspection Comments
PT9D	12-17-2025	Yes	Yes	Good	--	--
PT9M	12-17-2025	Yes	Yes	Good	--	--
PT9S	12-17-2025	Yes	Yes	Good	--	--
TW-01	11-21-2025	Yes	Yes	Good	--	--
TW-02D	10-20-2025	Yes	Yes	Good	--	--
TW-02D	11-11-2025	Yes	Yes	Good	--	--
TW-02D	12-09-2025	Yes	Yes	Good	--	--
TW-02S	10-20-2025	Yes	Yes	Good	--	--
TW-02S	11-11-2025	Yes	Yes	Good	--	--
TW-02S	12-09-2025	Yes	Yes	Good	--	--
TW-03D	10-20-2025	Yes	Yes	Good	--	--
TW-03D	11-11-2025	Yes	Yes	Good	--	--
TW-03D	12-09-2025	Yes	Yes	Good	--	--
TW-04	12-12-2025	Yes	Yes	Good	--	--
TW-05	12-11-2025	Yes	Yes	Good	--	--

Abbreviation:

-- = no comment

Table 4.2
Monitoring Well Water Levels and Specific Capacities
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well ID	Well Screen Lithology	Sample Date	Constructed Well Depth (ft bTOC)	Measured Well Depth (ft bTOC)	Difference in Constructed and Measured Well Depth (feet)	Screen Start Depth (ft bTOC)	Screen End Depth (ft bTOC)	Pre-Purge Depth to Water (ft bTOC)	Post-Purge Depth to Water (ft bTOC)	Drawdown During Purging (feet)	Purging Rate (mL/min)	Specific Capacity (gpm/foot)	Measured Depth Covering Greater Than 20% of Screen?	Flagged for Evaluation	Planned for Resurvey	Planned for Redevelopment	Notes	Date of Last Redevelopment
CW-01D	Alluvial	12/11/2025	302.89	N/A	N/A	252.69	302.69	109.40	109.44	0.04	500	3.30	N/A	No	No	No	N/A	N/A
CW-01M	Alluvial	12/11/2025	192.71	N/A	N/A	142.71	192.71	108.84	108.88	0.04	500	3.30	N/A	No	No	No	N/A	N/A
CW-02D	Alluvial	12/11/2025	357.71	N/A	N/A	287.71	337.71	95.24	95.28	0.04	500	3.30	N/A	No	No	No	N/A	N/A
CW-02M	Alluvial	12/11/2025	211.12	N/A	N/A	154.81	204.81	95.29	95.33	0.04	500	3.30	N/A	No	No	No	N/A	N/A
CW-03D	Alluvial	12/11/2025	342.61	N/A	N/A	272.61	322.61	79.82	79.88	0.06	500	2.20	N/A	No	No	No	N/A	N/A
CW-03M	Alluvial	12/11/2025	224.55	N/A	N/A	174.55	224.55	80.11	80.17	0.06	500	2.20	N/A	No	No	No	N/A	N/A
CW-04D	Alluvial	12/11/2025	305.64	N/A	N/A	235.64	285.64	64.14	64.18	0.04	500	3.30	N/A	No	No	No	N/A	N/A
CW-04M	Alluvial	12/11/2025	172.55	N/A	N/A	122.25	172.25	64.11	64.16	0.05	500	2.64	N/A	No	No	No	N/A	N/A
MW-09	Alluvial	12/18/2025	89.82	86.60	3.22	77.82	87.82	82.23	82.27	0.04	300	1.98	No	No	No	No	N/A	9/25/2024
MW-10	Alluvial	12/18/2025	95.73	96.84	-1.11	74.73	94.73	76.77	76.81	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-10D	Alluvial	12/18/2025	127.70	127.45	0.25	110.20	125.20	77.42	77.45	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-11	Alluvial	12/18/2025	88.21	84.50	3.71	64.60	84.60	67.73	67.78	0.05	300	1.59	No	No	No	No	N/A	3/13/2023
MW-11D	Alluvial	12/18/2025	134.59	133.50	1.09	112.19	132.19	68.67	68.69	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-12	Alluvial	12/16/2025	48.47	50.07	-1.6	27.47	47.47	29.82	29.87	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-13	Alluvial	11/25/2025	51.92	48.19	3.73	28.42	48.42	30.34	30.37	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-14	Alluvial	11/25/2025	133.99	133.70	0.29	112.99	132.99	114.81	114.89	0.08	300	0.99	No	No	No	No	N/A	N/A
MW-15	Alluvial	12/09/2025	204.90	200.50	4.4	182.40	202.40	187.03	187.09	0.06	500	2.20	No	No	No	No	N/A	N/A
MW-19	Alluvial	12/15/2025	66.32	65.97	0.35	46.32	65.32	46.87	46.90	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-20-070	Alluvial	10/21/2025	69.69	68.38	1.31	49.69	69.69	45.52	45.55	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-20-070	Alluvial	11/11/2025	69.69	68.40	1.29	49.69	69.69	45.75	45.77	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-20-070	Alluvial	12/10/2025	69.69	68.45	1.24	49.69	69.69	46.70	46.74	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-20-100	Alluvial	10/21/2025	100.49	98.08	2.41	88.59	98.59	44.93	44.95	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-20-100	Alluvial	11/11/2025	100.49	98.08	2.41	88.59	98.59	45.93	45.95	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-20-100	Alluvial	12/10/2025	100.49	98.11	2.38	88.59	98.59	45.86	45.89	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-20-130	Alluvial	10/21/2025	131.49	129.50	1.99	120.15	130.15	45.39	45.43	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-20-130	Alluvial	11/11/2025	131.49	129.57	1.92	120.15	130.15	46.32	46.35	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-20-130	Alluvial	12/10/2025	131.49	129.60	1.89	120.15	130.15	46.38	46.42	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-21	Alluvial	10/21/2025	58.95	58.33	0.62	38.45	58.45	50.72	51.27	0.55	100	0.05	No	No	No	No	N/A	N/A
MW-21	Alluvial	11/12/2025	58.95	58.36	0.59	38.45	58.45	50.72	51.25	0.53	100	0.05	No	Yes	No	No	High turbidity. Turbidity improved in consecutive sampling events.	N/A
MW-21	Alluvial	12/10/2025	58.95	58.42	0.53	38.45	58.45	51.21	51.24	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-22	Fluvial	12/10/2025	12.05	11.04	1.01	5.15	10.15	4.32	4.32	0.00	500	N/A	No	Yes	No	No	High turbidity. Continue to monitor for consecutive high turbidity readings.	N/A
MW-23-060	Bedrock	12/11/2025	62.68	60.34	2.34	49.68	59.68	51.03	51.05	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-23-080	Bedrock	12/11/2025	79.75	81.83	-2.08	74.75	79.75	50.62	50.64	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-24A	Alluvial	12/17/2025	129.91	127.25	2.66	106.43	126.43	113.13	113.17	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-24B	Alluvial	12/17/2025	216.85	213.64	3.21	195.01	215.01	111.10	110.15	-0.95	300	-0.08	No	No	No	No	N/A	N/A
MW-24BR	Bedrock	12/18/2025	439.47	N/A	N/A	379.47	438.47	109.66	262.98	153.32	18,927	0.03	N/A	No	No	No	N/A	N/A
MW-25	Alluvial	12/10/2025	106.54	106.39	0.15	86.54	105.54	89.26	89.29	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-26	Alluvial	10/22/2025	70.82	69.20	1.62	50.82	70.82	47.72	47.73	0.01	300	7.93	No	No	No	No	N/A	N/A
MW-26	Alluvial	11/13/2025	70.82	69.24	1.58	50.82	70.82	52.41	52.45	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-26	Alluvial	12/09/2025	70.82	69.29	1.53	50.82	70.82	49.73	49.77	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-27-020	Fluvial	11/13/2025	18.92	13.25	5.67	8.92	18.92	7.02	7.10	0.08	500	1.65	Yes	Yes	No	No	Siltation. Not recommended for redevelopment because well is screened in fluvial sediments.	N/A
MW-27-060	Fluvial	11/13/2025	60.52	58.84	1.68	50.32	60.32	7.78	7.80	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-27-085	Fluvial	11/13/2025	100.05	100.41	-0.36	80.05	90.05	7.58	7.60	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-28-025	Fluvial	11/19/2025	25.10	23.28	1.82	15.10	25.10	12.49	12.43	-0.06	300	-1.32	No	No	No	No	N/A	5/16/2023
MW-28-090	Fluvial	11/19/2025	101.46	97.80	3.66	73.10	93.10	13.34	13.35	0.01	300	7.93	No	No	No	No	N/A	N/A
MW-29	Fluvial	11/25/2025	43.73	40.71	3.02	31.71	41.71	31.82	31.85	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-30-030R	Fluvial	11/11/2025	32.43	32.15	0.28	12.03	32.03	15.31	15.35	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-30-050	Fluvial	11/11/2025	55.01	50.04	4.97	42.41	52.41	15.19	15.19	0.00	300	N/A	Yes	Yes	No	No	Siltation. Not recommended for redevelopment because well is screened in fluvial sediments.	N/A
MW-31-060	Alluvial	10/20/2025	65.71	61.28	4.43	43.21	63.21	39.74	39.74	0.00	500	N/A	No	Yes	No	No	High turbidity. Turbidity improved in consecutive sampling events.	N/A
MW-31-060	Alluvial	11/11/2025	65.71	64.00	1.71	43.21	63.21	40.34	40.37	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-31-060	Alluvial	12/09/2025	65.71	64.03	1.68	43.21	63.21	41.82	41.86	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-31-135	Alluvial	10/20/2025	133.16	130.06	3.1	112.86	132.86	41.38	41.40	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-31-135	Alluvial	11/11/2025	133.16	130.03	3.13	112.86	132.86	41.46	41.48	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-31-135	Alluvial	12/09/2025	133.16	129.97	3.19	112.86	132.86	111.88	111.89	0.01	300	7.93	No	No	No	No	N/A	N/A
MW-32-020	Fluvial	11/19/2025	22.41	19.18	3.23	12.41	22.41	7.16	7.20	0.04	300	1.98	Yes	Yes	No	No	Siltation. Not recommended for redevelopment because well is screened in fluvial sediments.	N/A
MW-32-035	Fluvial	11/19/2025	39.58	37.10	2.48	29.93	37.43	7.55	7.59	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-33-040	Fluvial	11/20/2025	44.64	40.96	3.68	31.80	41.80	33.97	34.01	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-33-090	Alluvial	11/20/2025	91.83	88.15	3.68	71.83	91.11	34.07	34.11	0.04	500	3.30	No	No	No	No	N/A	N/A

Table 4.2
Monitoring Well Water Levels and Specific Capacities
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well ID	Well Screen Lithology	Sample Date	Constructed Well Depth (ft bTOC)	Measured Well Depth (ft bTOC)	Difference in Constructed and Measured Well Depth (feet)	Screen Start Depth (ft bTOC)	Screen End Depth (ft bTOC)	Pre-Purge Depth to Water (ft bTOC)	Post-Purge Depth to Water (ft bTOC)	Drawdown During Purging (feet)	Purging Rate (mL/min)	Specific Capacity (gpm/foot)	Measured Depth Covering Greater Than 20% of Screen?	Flagged for Evaluation	Planned for Resurvey	Planned for Redevelopment	Notes	Date of Last Redevelopment
MW-33-150	Alluvial	11/20/2025	158.15	155.04	3.11	134.77	154.77	34.56	34.61	0.05	500	2.64	No	No	No	No	N/A	N/A
MW-33-210	Alluvial	11/20/2025	225.64	222.13	3.51	192.64	212.64	33.49	33.55	0.06	500	2.20	No	No	No	No	N/A	N/A
MW-34-055	Fluvial	11/12/2025	58.81	56.25	2.56	47.21	57.21	7.23	7.25	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-34-080	Fluvial	11/12/2025	86.56	84.12	2.44	75.26	85.26	7.38	7.40	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-34-100	Fluvial	10/22/2025	116.44	115.72	0.72	91.44	101.44	7.52	7.55	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-34-100	Fluvial	11/12/2025	116.44	115.76	0.68	91.44	101.44	7.39	7.41	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-34-100	Fluvial	12/09/2025	116.44	115.76	0.68	91.44	101.44	8.05	8.05	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-35-060	Alluvial	12/15/2025	61.63	57.83	3.8	41.33	61.33	29.60	29.66	0.06	300	1.32	No	No	No	No	N/A	5/9/2023
MW-35-135	Alluvial	12/15/2025	158.98	154.40	4.57	116.28	136.28	28.58	28.59	0.01	300	7.93	No	No	No	No	N/A	N/A
MW-36-020	Fluvial	11/12/2025	23.08	22.39	0.69	12.78	22.78	18.00	18.04	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-36-040	Fluvial	11/12/2025	43.15	41.93	1.22	32.85	42.85	19.75	19.76	0.01	300	7.93	No	No	No	No	N/A	N/A
MW-36-050	Fluvial	11/12/2025	55.79	52.95	2.84	48.79	53.79	19.50	19.54	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-36-070	Fluvial	11/12/2025	73.02	72.21	0.81	62.72	72.72	19.44	19.47	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-36-090	Fluvial	11/12/2025	93.34	92.34	1.00	83.04	93.04	18.46	18.50	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-36-100	Fluvial	10/21/2025	111.36	116.60	-5.24	91.36	101.36	16.15	16.19	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-36-100	Fluvial	11/12/2025	111.36	116.65	-5.29	91.36	101.36	20.54	20.56	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-36-100	Fluvial	12/09/2025	111.36	116.65	-5.29	91.36	101.36	20.64	20.64	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-37D	Alluvial	11/20/2025	229.21	225.96	3.25	182.49	202.49	35.83	35.88	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-37S	Alluvial	11/20/2025	87.47	86.78	0.69	66.47	86.47	36.97	36.99	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-38D	Alluvial	12/18/2025	186.58	184.85	1.73	166.28	186.28	72.47	72.53	0.06	300	1.32	No	No	No	No	N/A	8/19/2022
MW-38S	Alluvial	12/18/2025	97.77	97.12	0.65	77.47	97.47	70.96	70.99	0.03	300	2.64	No	No	No	No	N/A	7/25/2022
MW-39-040	Fluvial	11/11/2025	43.33	37.49	5.84	33.03	43.03	14.10	14.16	0.06	300	1.32	Yes	Yes	No	No	Second Quarter 2023 redevelopment with Waterra pump did not improve siltation. Well will not be considered for future redevelopment.	5/14/2023
MW-39-050	Fluvial	11/11/2025	57.43	54.42	3.01	49.83	54.83	15.46	15.48	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-39-060	Alluvial	11/11/2025	69.00	58.87	10.13	51.70	61.70	22.85	22.88	0.03	300	2.64	Yes	Yes	No	No	Siltation. Not recommended for redevelopment because low turbidity was measured during sampling, minimal drawdown occurred, and specific capacity indicated good yield. Continue to monitor.	N/A
MW-39-070	Alluvial	10/20/2025	74.51	71.13	3.38	62.82	72.82	14.25	14.29	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-39-070	Alluvial	11/11/2025	74.51	71.16	3.35	62.82	72.82	14.91	14.91	0.00	300	N/A	No	No	No	No	N/A	N/A
MW-39-070	Alluvial	12/08/2025	74.51	71.56	2.95	62.82	72.82	15.00	15.00	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-39-080	Alluvial	10/20/2025	85.37	81.91	3.46	72.82	82.82	14.32	14.35	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-39-080	Alluvial	11/11/2025	85.37	81.95	3.42	72.82	82.82	16.00	16.05	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-39-080	Alluvial	12/08/2025	85.37	82.25	3.12	72.82	82.82	16.00	16.00	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-39-100	Alluvial	10/20/2025	120.53	116.54	3.99	82.82	102.82	14.30	14.35	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-39-100	Alluvial	11/11/2025	120.53	116.51	4.02	82.82	102.82	17.56	17.59	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-39-100	Alluvial	12/08/2025	120.53	116.58	3.95	82.82	102.82	16.10	16.10	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-40D	Alluvial	12/11/2025	265.58	265.44	0.14	239.58	259.58	112.65	112.69	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-40S	Alluvial	12/11/2025	135.04	133.79	1.25	114.74	134.74	112.15	112.18	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-41D	Alluvial	11/25/2025	314.04	311.02	3.02	273.54	293.54	25.61	25.65	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-41M	Alluvial	11/25/2025	192.78	192.19	0.59	172.78	192.78	25.86	25.90	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-41S	Alluvial	11/25/2025	62.66	61.36	1.3	42.66	62.66	26.22	26.23	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-42-030	Fluvial	11/14/2025	32.55	31.07	1.48	12.25	32.25	10.84	10.85	0.01	300	7.93	No	No	No	No	N/A	N/A
MW-42-055	Fluvial	11/14/2025	55.29	52.55	2.74	44.99	54.99	22.00	22.05	0.05	300	1.59	Yes	Yes	No	No	Siltation. Not recommended for redevelopment based on low turbidity measurement during sampling and well being screened in fluvial sediments.	N/A
MW-42-065	Fluvial	11/14/2025	83.47	83.75	-0.28	58.47	68.47	17.98	18.03	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-43-025	Fluvial	10/22/2025	27.52	26.52	1	17.52	27.52	9.00	9.04	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-43-025	Fluvial	11/14/2025	27.52	26.55	0.97	17.52	27.52	8.94	8.97	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-43-075	Fluvial	11/14/2025	77.79	77.51	0.28	67.79	77.79	9.19	9.21	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-43-090	Fluvial	11/14/2025	99.82	102.67	-2.85	82.82	92.82	9.38	9.40	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-44-070	Fluvial	11/13/2025	72.10	72.30	-0.20	62.10	72.10	18.44	18.47	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-44-115	Alluvial	10/22/2025	114.52	114.38	0.14	106.52	114.52	18.42	18.44	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-44-115	Alluvial	11/13/2025	114.52	114.37	0.15	106.52	114.52	18.56	18.59	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-44-115	Alluvial	12/09/2025	114.52	114.37	0.15	106.52	114.52	18.71	18.71	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-44-125	Alluvial	10/22/2025	130.35	128.60	1.75	117.55	126.55	18.36	18.38	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-44-125	Alluvial	11/13/2025	130.35	128.63	1.72	117.55	126.55	18.52	18.55	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-44-125	Alluvial	12/09/2025	130.35	128.63	1.72	117.55	126.55	18.62	18.63	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-45-095a	Fluvial	11/13/2025	96.90	93.90	3.00	86.40	96.40	14.87	14.90	0.03	500	4.40	Yes	Yes	No	No	Siltation. Not recommended for redevelopment based on low turbidity measurement during sampling and well being screened in fluvial sediments.	N/A

Table 4.2
Monitoring Well Water Levels and Specific Capacities
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well ID	Well Screen Lithology	Sample Date	Constructed Well Depth (ft bTOC)	Measured Well Depth (ft bTOC)	Difference in Constructed and Measured Well Depth (feet)	Screen Start Depth (ft bTOC)	Screen End Depth (ft bTOC)	Pre-Purge Depth to Water (ft bTOC)	Post-Purge Depth to Water (ft bTOC)	Drawdown During Purging (feet)	Purging Rate (mL/min)	Specific Capacity (gpm/foot)	Measured Depth Covering Greater Than 20% of Screen?	Flagged for Evaluation	Planned for Resurvey	Planned for Redevelopment	Notes	Date of Last Redevelopment
MW-46-175	Alluvial	10/22/2025	176.84	176.07	0.77	166.34	176.34	28.97	29.00	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-46-175	Alluvial	11/13/2025	176.84	176.11	0.73	166.34	176.34	28.93	28.96	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-46-175	Alluvial	12/12/2025	176.84	176.11	0.73	166.34	176.34	30.24	30.26	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-46-205	Alluvial	12/18/2025	209.49	218.68	-9.19	199.49	209.49	30.58	30.63	0.05	500	2.64	No	No	No	No	N/A	N/A
MW-47-055	Alluvial	11/24/2025	56.94	56.62	0.32	46.94	56.94	29.39	29.44	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-47-115	Alluvial	11/24/2025	116.58	115.56	1.02	106.58	116.58	29.18	29.22	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-48	Bedrock	12/16/2025	139.81	126.50	13.31	125.81	135.81	33.82	33.86	0.04	300	1.98	Yes	Yes	No	No	Siltation. Not recommended for redevelopment given it is a bedrock well and specific capacity indicates good yield.	N/A
MW-49-135	Alluvial	11/25/2025	136.52	136.31	0.21	126.52	136.52	31.08	31.15	0.07	500	1.89	No	No	No	No	N/A	N/A
MW-49-275	Alluvial	11/25/2025	276.45	274.71	1.74	256.45	276.45	31.44	31.49	0.05	500	2.64	No	No	No	No	N/A	N/A
MW-49-365	Alluvial	11/25/2025	368.86	367.35	1.51	347.51	367.51	33.12	33.15	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-50-095	Alluvial	12/17/2025	97.16	96.45	0.71	87.16	97.16	43.44	43.49	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-50-200	Alluvial	12/17/2025	206.53	203.54	2.99	192.03	202.03	43.50	43.54	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-51	Alluvial	10/21/2025	112.94	112.98	-0.04	96.69	111.69	47.00	47.03	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-51	Alluvial	11/13/2025	112.94	112.94	0	96.69	111.69	52.80	52.84	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-51	Alluvial	12/09/2025	112.94	99.07	13.87	96.69	111.69	47.92	47.96	0.04	300	1.98	Yes	Yes	No	No	Siltation. Not recommended for redevelopment because low turbidity was measured during sampling, minimal drawdown occurred, and specific capacity indicated good yield. Continue to monitor.	N/A
MW-55-045	Fluvial	12/16/2025	56.14	49.22	6.92	39.09	49.09	11.58	11.63	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-55-120	Fluvial	12/16/2025	122.14	120.60	1.54	109.89	119.89	11.51	11.56	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-56D	Fluvial	12/16/2025	N/A	105.50	N/A	104.93	106.93	14.70	15.00	0.30	100	0.09	N/A	No	No	No	N/A	N/A
MW-56M	Fluvial	12/16/2025	N/A	75.50	N/A	74.93	76.93	14.09	14.33	0.24	100	0.11	N/A	No	No	No	N/A	N/A
MW-56S	Fluvial	12/16/2025	N/A	35.50	N/A	34.93	36.93	14.15	14.50	0.35	100	0.08	N/A	No	No	No	N/A	N/A
MW-57-050	Alluvial	11/21/2025	49.14	51.15	-2.01	39.14	49.14	NM	NM	NM	NM	N/A	No	No	No	No	N/A	N/A
MW-57-070	Bedrock	11/21/2025	70.40	68.60	1.8	55.40	70.40	53.43	53.43	0.00	300	N/A	No	No	No	No	N/A	N/A
MW-57-185	Bedrock	11/21/2025	184.70	180.80	3.9	70.00	184.00	52.58	52.62	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-58BR	Bedrock	12/09/2025	209.13	204.20	4.93	69.13	209.13	68.66	68.69	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-59-100	Alluvial	11/21/2025	100.71	100.70	0.01	85.71	100.71	82.57	82.58	0.01	300	7.93	No	No	No	No	N/A	10/18/2024
MW-60-125	Bedrock	11/25/2025	122.69	121.84	0.85	102.69	122.69	99.79	99.86	0.07	300	1.13	No	No	No	No	N/A	N/A
MW-60BR-245	Bedrock	12/09/2025	244.09	245.00	-0.91	135.09	244.09	101.04	101.07	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-61-110	Bedrock	11/25/2025	110.81	112.09	-1.28	90.81	110.81	87.18	87.24	0.06	300	1.32	No	No	No	No	N/A	N/A
MW-62-065	Bedrock	11/25/2025	67.40	63.74	3.66	44.50	64.50	48.86	48.89	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-62-110	Bedrock	12/17/2025	109.55	N/A	N/A	84.55	109.55	NM	NM	NM	NM	N/A	N/A	No	No	No	Total depth not recorded due to dedicated sampling system at well.	N/A
MW-62-190	Bedrock	12/17/2025	191.55	N/A	N/A	114.55	191.55	NM	NM	NM	NM	N/A	N/A	No	No	No	Total depth not recorded due to dedicated sampling system at well.	N/A
MW-63-065	Bedrock	11/25/2025	65.47	63.22	2.25	45.47	65.47	50.01	50.05	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-64BR	Bedrock	12/16/2025	260.02	249.26	10.76	2.02	258.02	122.56	122.60	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-65-160	Alluvial	12/17/2025	159.70	160.40	-0.7	149.60	159.60	142.36	142.37	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-65-225	Alluvial	12/17/2025	224.68	225.38	-0.7	214.59	224.59	142.22	142.29	0.07	500	1.89	No	No	No	No	N/A	N/A
MW-66-165	Alluvial	11/24/2025	161.25	161.03	0.22	141.25	161.25	131.58	131.65	0.07	500	1.89	No	No	No	No	N/A	N/A
MW-66-230	Alluvial	11/24/2025	227.31	227.07	0.24	217.31	227.31	131.91	131.98	0.07	500	1.89	No	No	No	No	N/A	N/A
MW-66BR-270	Bedrock	11/24/2025	270.65	N/A	N/A	247.65	270.65	130.62	130.55	-0.07	0	0.00	N/A	No	No	No	N/A	N/A
MW-67-185	Alluvial	12/17/2025	186.73	186.72	0.01	176.73	186.73	171.89	171.90	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-67-225	Alluvial	12/17/2025	224.52	225.16	-0.64	209.52	224.52	171.82	171.85	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-67-260	Alluvial	12/17/2025	259.50	260.15	-0.65	249.50	259.50	171.61	171.65	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-68-180	Alluvial	12/17/2025	179.68	180.03	-0.35	164.59	179.59	166.84	166.80	-0.04	500	-3.30	No	No	No	No	N/A	N/A
MW-68-240	Alluvial	12/17/2025	239.63	239.91	-0.28	219.63	239.63	166.91	166.95	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-68BR-280	Bedrock	12/17/2025	278.27	N/A	N/A	256.27	278.27	165.16	228.33	63.17	379	0.00	N/A	No	No	No	N/A	N/A
MW-69-195	Bedrock	12/17/2025	195.27	195.61	-0.34	175.27	195.27	176.56	176.60	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-70-105	Bedrock	12/09/2025	107.87	105.08	2.79	84.87	104.87	82.96	82.98	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-70BR-225	Bedrock	12/16/2025	228.89	219.26	9.63	119.61	226.61	79.90	79.96	0.06	500	2.20	No	No	No	No	N/A	5/7/2022
MW-70BR-287	Bedrock	12/16/2025	286.98	285.16	1.82	239.98	286.98	83.33	83.37	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-71-035	Alluvial	10/21/2025	35.90	35.33	0.57	25.70	35.70	28.85	29.33	0.48	100	0.06	No	Yes	No	No	High turbidity. Turbidity improved in consecutive sampling events.	N/A
MW-71-035	Alluvial	11/12/2025	35.90	35.33	0.57	25.70	35.70	29.06	29.70	0.64	100	0.04	No	No	No	No	N/A	N/A
MW-71-035	Alluvial	12/10/2025	35.90	35.75	0.15	25.70	35.70	29.47	26.49	-2.98	300	-0.03	No	No	No	No	N/A	N/A
MW-72-080	Bedrock	11/25/2025	79.88	79.11	0.77	59.79	79.79	60.40	60.42	0.02	500	6.60	No	Yes	No	No	High turbidity. Continue to monitor for consecutive high turbidity readings.	N/A
MW-72BR-200	Bedrock	11/25/2025	199.29	200.00	-0.71	106.29	199.29	60.32	60.33	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-73-080	Bedrock	11/25/2025	80.02	79.14	0.88	59.52	79.52	52.71	52.77	0.06	500	2.20	No	No	No	No	N/A	N/A
MW-74-240	Bedrock	11/24/2025	239.44	240.62	-1.18	219.44	239.44	216.96	216.99	0.03	200	1.76	No	No	No	No	N/A	N/A

Table 4.2
Monitoring Well Water Levels and Specific Capacities
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well ID	Well Screen Lithology	Sample Date	Constructed Well Depth (ft bTOC)	Measured Well Depth (ft bTOC)	Difference in Constructed and Measured Well Depth (feet)	Screen Start Depth (ft bTOC)	Screen End Depth (ft bTOC)	Pre-Purge Depth to Water (ft bTOC)	Post-Purge Depth to Water (ft bTOC)	Drawdown During Purging (feet)	Purging Rate (mL/min)	Specific Capacity (gpm/foot)	Measured Depth Covering Greater Than 20% of Screen?	Flagged for Evaluation	Planned for Resurvey	Planned for Redevelopment	Notes	Date of Last Redevelopment
MW-75-033	Alluvial	11/17/2025	35.48	34.77	0.71	18.08	33.08	19.91	19.93	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-75-117	Alluvial	11/17/2025	119.45	118.11	1.34	97.15	117.15	19.89	19.90	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-75-202	Alluvial	11/17/2025	204.49	204.27	0.22	182.49	202.49	19.54	19.56	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-75-267	Alluvial	11/17/2025	269.50	268.44	1.06	247.20	267.20	19.23	19.26	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-75-337	Alluvial	11/17/2025	339.79	338.37	1.42	317.49	337.49	21.73	21.75	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-76-039	Alluvial	10/21/2025	39.10	36.60	2.5	23.60	38.60	26.83	26.88	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-76-039	Alluvial	11/12/2025	39.10	38.66	0.44	23.60	38.60	26.93	26.96	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-76-039	Alluvial	12/08/2025	39.10	38.64	0.46	23.60	38.60	28.68	28.69	0.01	300	7.93	No	No	No	No	N/A	N/A
MW-76-156	Alluvial	10/21/2025	158.01	156.95	1.06	135.71	155.71	26.91	26.93	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-76-156	Alluvial	11/12/2025	158.01	155.61	2.4	135.71	155.71	27.11	27.13	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-76-156	Alluvial	12/08/2025	158.01	155.54	2.47	135.71	155.71	28.55	28.61	0.06	300	1.32	No	No	No	No	N/A	N/A
MW-76-181	Alluvial	10/21/2025	183.12	182.61	0.51	170.82	180.82	26.79	26.84	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-76-181	Alluvial	11/12/2025	183.12	182.61	0.51	170.82	180.82	28.55	28.58	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-76-181	Alluvial	12/08/2025	183.12	182.65	0.47	170.82	180.82	29.10	29.13	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-76-218	Alluvial	10/21/2025	220.05	219.72	0.33	197.75	217.75	26.86	26.90	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-76-218	Alluvial	11/12/2025	220.05	219.65	0.4	197.75	217.75	27.87	27.90	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-76-218	Alluvial	12/08/2025	220.05	219.62	0.43	197.75	217.75	28.82	28.85	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-77-046	Alluvial	11/12/2025	48.15	40.00	8.15	25.85	45.85	29.74	29.77	0.03	300	2.64	Yes	Yes	No	No	Siltation. Redevelopment occurred in October 2024. Minimal drawdown occurred during purging. Continue to monitor.	10/16/2024
MW-77-102	Alluvial	11/10/2025	104.21	104.21	0	81.91	101.91	29.30	29.34	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-77-158	Alluvial	11/10/2025	160.14	159.91	0.23	137.64	157.74	28.90	28.95	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-77-187	Alluvial	10/21/2025	189.21	188.84	0.37	166.71	186.81	24.56	24.57	0.01	300	7.93	No	No	No	No	N/A	N/A
MW-77-187	Alluvial	11/10/2025	189.21	188.90	0.31	166.71	186.81	26.56	26.59	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-77-187	Alluvial	12/11/2025	189.21	188.95	0.26	166.71	186.81	25.91	25.96	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-78-070	Alluvial	10/21/2025	71.85	72.02	-0.17	49.55	69.55	47.20	47.22	0.02	500	6.60	No	Yes	No	No	High turbidity. Turbidity improved in consecutive sampling events.	N/A
MW-78-070	Alluvial	11/13/2025	71.85	70.05	1.8	49.55	69.55	65.82	65.83	0.01	300	7.93	No	No	No	No	N/A	N/A
MW-78-070	Alluvial	12/11/2025	71.85	70.11	1.74	49.55	69.55	48.57	48.60	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-78-142	Alluvial	10/21/2025	141.76	147.02	-5.26	121.46	141.46	47.38	47.40	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-78-142	Alluvial	11/13/2025	141.76	147.05	-5.29	121.46	141.46	52.10	52.13	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-78-142	Alluvial	12/11/2025	141.76	147.10	-5.34	121.46	141.46	48.75	48.79	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-79-058	Alluvial	10/22/2025	60.05	60.01	0.04	47.55	57.55	46.80	46.88	0.08	300	0.99	No	No	No	No	N/A	N/A
MW-79-058	Alluvial	11/13/2025	60.05	60.04	0.01	47.55	57.55	50.80	50.83	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-79-058	Alluvial	12/09/2025	60.05	60.08	-0.03	47.55	57.55	47.70	47.73	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-79-102	Alluvial	10/22/2025	104.23	104.05	0.18	91.43	101.43	46.58	46.62	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-79-102	Alluvial	11/13/2025	104.23	104.01	0.22	91.43	101.43	49.46	49.50	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-79-102	Alluvial	12/09/2025	104.23	104.03	0.2	91.43	101.43	47.65	47.67	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-80-057	Alluvial	10/22/2025	59.46	59.21	0.25	46.96	56.96	49.14	49.18	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-80-057	Alluvial	11/13/2025	59.46	59.26	0.2	46.96	56.96	54.53	54.55	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-80-057	Alluvial	12/09/2025	59.46	59.30	0.16	46.96	56.96	49.81	49.84	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-80-082	Alluvial	10/22/2025	84.00	83.54	0.46	66.50	81.50	49.02	49.05	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-80-082	Alluvial	11/13/2025	84.00	83.57	0.43	66.50	81.50	54.00	54.03	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-80-082	Alluvial	12/09/2025	84.00	83.61	0.39	66.50	81.50	49.53	49.57	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-81-043	Alluvial	10/21/2025	44.73	44.53	0.2	22.43	42.43	23.70	23.73	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-81-043	Alluvial	11/12/2025	44.73	44.55	0.18	22.43	42.43	28.00	28.03	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-81-043	Alluvial	12/10/2025	44.73	44.55	0.18	22.43	42.43	27.87	27.87	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-81-098	Alluvial	10/20/2025	99.82	99.07	0.75	77.52	97.52	24.00	24.05	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-81-098	Alluvial	11/12/2025	99.82	99.10	0.72	77.52	97.52	25.42	25.46	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-81-098	Alluvial	12/10/2025	99.82	99.10	0.72	77.52	97.52	25.15	25.15	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-82-046	Alluvial	11/17/2025	48.87	45.96	2.91	26.57	46.57	32.25	32.29	0.04	300	1.98	No	No	No	No	N/A	5/11/2023
MW-82-112	Alluvial	11/17/2025	114.78	114.16	0.62	92.48	112.48	34.10	34.15	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-82-168	Alluvial	11/17/2025	170.34	169.88	0.46	148.04	168.04	32.43	32.44	0.01	300	7.93	No	No	No	No	N/A	N/A
MW-82-198	Alluvial	11/17/2025	200.25	199.49	0.76	177.95	197.95	32.70	32.73	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-83-090	Alluvial	11/20/2025	91.59	91.82	-0.23	69.29	89.29	75.33	75.35	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-83-180	Alluvial	11/20/2025	181.18	181.40	-0.22	159.18	179.18	75.28	75.30	0.02	500	6.60	No	Yes	No	No	High turbidity. Continue to monitor for consecutive high turbidity readings.	N/A
MW-83-225	Alluvial	11/20/2025	227.55	224.72	2.83	205.15	225.15	76.32	76.35	0.03	500	4.40	No	Yes	No	No	High turbidity. Continue to monitor for consecutive high turbidity readings.	N/A
MW-83-245	Alluvial	11/20/2025	247.40	246.06	1.34	235.00	245.00	74.95	74.97	0.02	500	6.60	No	Yes	No	No	High turbidity. Continue to monitor for consecutive high turbidity readings.	N/A
MW-84-057	Alluvial	11/20/2025	59.38	58.12	1.26	41.98	56.98	48.21	48.23	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-84-095	Alluvial	11/20/2025	97.32	93.00	4.32	74.92	94.92	52.40	52.45	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-84-132	Alluvial	11/20/2025	134.39	134.09	0.3	111.99	131.99	48.41	48.45	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-84-193	Alluvial	11/20/2025	195.41	194.46	0.95	173.11	193.11	48.28	48.33	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-85-129	Alluvial	11/20/2025	131.13	131.24	-0.11	113.63	128.83	115.99	116.00	0.01	500	13.21	No	No	No	No	N/A	N/A

Table 4.2
Monitoring Well Water Levels and Specific Capacities
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well ID	Well Screen Lithology	Sample Date	Constructed Well Depth (ft bTOC)	Measured Well Depth (ft bTOC)	Difference in Constructed and Measured Well Depth (feet)	Screen Start Depth (ft bTOC)	Screen End Depth (ft bTOC)	Pre-Purge Depth to Water (ft bTOC)	Post-Purge Depth to Water (ft bTOC)	Drawdown During Purging (feet)	Purging Rate (mL/min)	Specific Capacity (gpm/foot)	Measured Depth Covering Greater Than 20% of Screen?	Flagged for Evaluation	Planned for Resurvey	Planned for Redevelopment	Notes	Date of Last Redevelopment
MW-85-217	Alluvial	11/20/2025	218.70	217.40	1.3	196.40	216.40	115.42	115.45	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-85-237	Alluvial	11/20/2025	238.84	238.00	0.84	226.54	236.54	115.71	115.73	0.02	500	6.60	No	Yes	No	No	High turbidity. Continue to monitor for consecutive high turbidity readings.	N/A
MW-86-030	Alluvial	11/19/2025	34.51	31.60	2.91	12.21	32.21	13.24	13.29	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-86-066	Alluvial	11/19/2025	70.40	69.31	1.09	48.10	68.10	13.15	13.22	0.07	300	1.13	No	No	No	No	N/A	N/A
MW-86-120	Alluvial	11/19/2025	124.67	123.39	1.28	102.37	122.37	13.42	13.47	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-86-140	Alluvial	11/19/2025	144.53	143.49	1.04	132.23	142.23	14.32	14.34	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-87-109	Alluvial	11/25/2025	111.14	110.64	0.5	88.84	108.84	92.51	92.56	0.05	500	2.64	No	No	No	No	N/A	N/A
MW-87-139	Alluvial	11/25/2025	141.24	141.04	0.2	118.84	138.84	92.46	92.51	0.05	500	2.64	No	No	No	No	N/A	N/A
MW-87-192	Alluvial	11/25/2025	194.21	193.15	1.06	171.91	191.91	92.98	93.30	0.32	500	0.41	No	Yes	No	No	High turbidity. Continue to monitor for consecutive high turbidity readings.	N/A
MW-87-275	Bedrock	11/25/2025	277.06	276.20	0.86	254.76	274.76	92.90	92.92	0.02	500	6.60	No	Yes	No	No	High turbidity. Continue to monitor for consecutive high turbidity readings.	N/A
MW-88-107	Bedrock	12/18/2025	109.06	108.84	0.22	86.76	106.76	92.32	92.35	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-89-183	Alluvial	12/11/2025	185.42	185.19	0.23	163.02	183.02	133.37	133.39	0.02	500	6.60	No	Yes	No	No	High turbidity. Continue to monitor for consecutive high turbidity readings.	N/A
MW-89-273	Alluvial	12/11/2025	275.56	274.38	1.18	253.16	273.16	133.43	133.45	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-90-031	Alluvial	12/10/2025	33.60	31.28	2.32	21.30	31.30	5.32	5.32	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-91-045	Fluvial	N/A	46.51	N/A	N/A	24.21	44.21	NM	NM	NM	NM	N/A	N/A	No	No	No	Well inaccessible for sampling due to construction work unrelated to project.	N/A
MW-91-120	Alluvial	N/A	122.00	N/A	N/A	99.70	119.70	NM	NM	NM	NM	N/A	N/A	No	No	No	Well inaccessible for sampling due to construction work unrelated to project.	N/A
MW-91-170	Alluvial	N/A	173.14	N/A	N/A	150.74	170.74	NM	NM	NM	NM	N/A	N/A	No	No	No	Well inaccessible for sampling due to construction work unrelated to project.	N/A
MW-91-320	Alluvial	N/A	323.05	N/A	N/A	300.65	320.65	NM	NM	NM	NM	N/A	N/A	No	No	No	Well inaccessible for sampling due to construction work unrelated to project.	N/A
MW-92-037	Fluvial	N/A	40.96	N/A	N/A	18.56	38.56	NM	NM	NM	NM	N/A	N/A	No	No	No	Well inaccessible for sampling due to construction work unrelated to project.	N/A
MW-92-072	Fluvial	N/A	75.93	N/A	N/A	53.53	73.53	NM	NM	NM	NM	N/A	N/A	No	No	No	Well inaccessible for sampling due to construction work unrelated to project.	N/A
MW-92-102	Fluvial	N/A	106.72	N/A	N/A	84.42	104.42	NM	NM	NM	NM	N/A	N/A	No	No	No	Well inaccessible for sampling due to construction work unrelated to project.	N/A
MW-92-122	Bedrock	N/A	126.64	N/A	N/A	114.34	124.34	NM	NM	NM	NM	N/A	N/A	No	No	No	Well inaccessible for sampling due to construction work unrelated to project.	N/A
MW-93-050	Alluvial	11/25/2025	51.90	51.69	0.21	29.60	49.60	30.32	30.39	0.07	300	1.13	No	No	No	No	N/A	N/A
MW-93-213	Alluvial	11/25/2025	214.82	214.48	0.34	192.52	212.52	30.64	30.66	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-95-113	Alluvial	12/18/2025	117.60	117.71	-0.11	95.30	115.30	99.33	99.37	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-95-157	Alluvial	12/18/2025	161.56	161.48	0.08	139.26	159.26	99.25	99.29	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-96-045	Alluvial	12/18/2025	47.52	46.82	0.7	25.22	45.22	31.30	31.37	0.07	500	1.89	No	No	No	No	N/A	N/A
MW-96-217	Alluvial	12/18/2025	219.33	218.41	0.92	197.03	217.03	31.54	31.58	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-97-042	Alluvial	11/24/2025	42.63	41.95	0.68	22.13	42.13	27.01	27.06	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-97-202	Alluvial	11/24/2025	201.47	200.95	0.52	190.97	200.97	26.37	26.41	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-98-055	Alluvial	12/16/2025	59.69	59.13	0.56	42.29	57.39	47.97	48.01	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-98-077	Alluvial	12/16/2025	81.58	81.01	0.57	69.28	79.28	47.82	47.86	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-107-041	Fluvial	12/12/2025	N/A	42.79	N/A	N/A	N/A	25.60	25.61	0.01	300	7.93	N/A	No	No	No	Newly installed monitoring well. Constructed well and screen start/end depths will be added once the well survey is complete.	N/A
MW-107-076	Alluvial	12/12/2025	N/A	77.91	N/A	N/A	N/A	25.41	25.47	0.06	300	1.32	N/A	No	No	No	Newly installed monitoring well. Constructed well and screen start/end depths will be added once the well survey is complete.	N/A
OW-01D	Alluvial	12/11/2025	279.90	277.00	2.89	259.60	279.60	96.11	96.13	0.02	500	6.60	No	No	No	No	N/A	N/A
OW-01M	Alluvial	12/11/2025	188.41	185.00	3.41	167.61	187.61	96.15	96.17	0.02	500	6.60	No	No	No	No	N/A	N/A
OW-01S	Alluvial	12/11/2025	116.12	113.66	2.46	86.12	116.12	96.14	94.15	-1.99	500	-0.07	No	Yes	No	No	High turbidity. Continue to monitor for consecutive high turbidity readings.	N/A
OW-02D	Alluvial	12/10/2025	342.34	340.00	2.34	312.34	332.34	94.72	94.75	0.03	500	4.40	No	No	No	No	N/A	N/A
OW-02M	Alluvial	12/10/2025	212.95	211.14	1.81	192.65	212.65	94.41	94.44	0.03	500	4.40	No	No	No	No	N/A	N/A
OW-02S	Alluvial	12/10/2025	106.29	102.81	3.47	73.71	103.71	94.76	94.78	0.02	500	6.60	No	No	No	No	N/A	N/A
OW-05D	Alluvial	12/10/2025	352.89	350.00	2.89	302.89	322.89	97.90	97.92	0.02	500	6.60	No	No	No	No	N/A	N/A
OW-05M	Alluvial	12/10/2025	253.10	252.58	0.52	212.80	252.80	97.29	97.30	0.01	500	13.21	No	No	No	No	N/A	N/A
OW-05S	Alluvial	12/10/2025	113.01	112.99	0.02	72.71	112.71	97.69	97.70	0.01	500	13.21	No	No	No	No	N/A	N/A
PGE-07BR	Bedrock	12/17/2025	303.14	N/A	N/A	252.14	303.14	111.83	111.90	0.07	37,854	142.86	N/A	No	No	No	N/A	N/A
PGE-08	Bedrock	11/24/2025	553.25	N/A	N/A	407.75	553.25	143.05	NM	NM	37,854	N/A	N/A	No	No	No	N/A	N/A
PT5D	Alluvial	10/21/2025	107.37	107.18	0.19	97.37	107.37	20.02	20.04	0.02	300	3.96	No	No	No	No	N/A	9/6/2025

Table 4.2
Monitoring Well Water Levels and Specific Capacities
Fourth Quarter 2025 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well ID	Well Screen Lithology	Sample Date	Constructed Well Depth (ft bTOC)	Measured Well Depth (ft bTOC)	Difference in Constructed and Measured Well Depth (feet)	Screen Start Depth (ft bTOC)	Screen End Depth (ft bTOC)	Pre-Purge Depth to Water (ft bTOC)	Post-Purge Depth to Water (ft bTOC)	Drawdown During Purging (feet)	Purging Rate (mL/min)	Specific Capacity (gpm/foot)	Measured Depth Covering Greater Than 20% of Screen?	Flagged for Evaluation	Planned for Resurvey	Planned for Redevelopment	Notes	Date of Last Redevelopment
PT5D	Alluvial	11/10/2025	107.37	107.26	0.11	97.37	107.37	20.09	20.10	0.01	500	13.21	No	No	No	No	N/A	9/6/2025
PT5D	Alluvial	12/09/2025	107.37	107.26	0.11	97.37	107.37	20.32	20.63	0.31	300	0.26	No	No	No	No	N/A	9/6/2025
PT5M	Fluvial	11/10/2025	N/A	72.82	N/A	62.37	72.37	19.92	19.97	0.05	500	2.64	No	No	No	No	N/A	N/A
PT5S	Fluvial	11/10/2025	N/A	47.88	N/A	37.35	47.35	19.94	19.97	0.03	500	4.40	No	No	No	No	N/A	N/A
PT6D	Alluvial	10/21/2025	106.00	106.50	-0.50	96.00	106.00	22.18	22.24	0.06	300	1.32	No	No	No	No	N/A	N/A
PT6D	Alluvial	11/13/2025	106.00	106.50	-0.50	96.00	106.00	22.41	22.44	0.03	500	4.40	No	No	No	No	N/A	N/A
PT6D	Alluvial	12/09/2025	106.00	106.50	-0.50	96.00	106.00	22.37	22.37	0.00	500	N/A	No	No	No	No	N/A	N/A
PT8D	Alluvial	12/17/2025	211.95	210.58	1.37	189.45	209.45	108.10	108.12	0.02	500	6.60	No	No	No	No	N/A	N/A
PT9D	Alluvial	12/17/2025	212.10	210.25	1.85	189.60	209.60	105.38	105.43	0.05	500	2.64	No	No	No	No	N/A	N/A
PT9M	Alluvial	12/17/2025	186.64	186.65	-0.01	161.64	181.64	105.31	105.36	0.05	500	2.64	No	No	No	No	N/A	N/A
PT9S	Alluvial	12/17/2025	152.76	152.84	-0.08	127.76	147.76	105.34	105.39	0.05	500	2.64	No	No	No	No	N/A	N/A
TW-01	Alluvial	11/21/2025	269.73	265.82	3.91	166.73	266.73	165.97	166.11	0.14	15,142	28.57	No	No	No	No	N/A	N/A
TW-02D	Alluvial	10/20/2025	148.96	149.61	-0.65	108.96	143.96	39.74	39.76	0.02	5,300	70.00	No	No	No	No	N/A	N/A
TW-02D	Alluvial	11/11/2025	148.96	149.61	-0.65	108.96	143.96	39.80	39.82	0.02	5,300	70.00	No	No	No	No	N/A	N/A
TW-02D	Alluvial	12/09/2025	148.96	149.21	-0.25	108.96	143.96	41.34	41.38	0.04	5,300	35.00	No	No	No	No	N/A	N/A
TW-02S	Alluvial	10/20/2025	94.39	96.25	-1.86	39.39	89.39	39.63	39.66	0.03	5,300	46.67	No	No	No	No	N/A	N/A
TW-02S	Alluvial	11/11/2025	94.39	96.27	-1.88	39.39	89.39	39.79	39.80	0.01	5,300	140.00	No	No	No	No	N/A	N/A
TW-02S	Alluvial	12/09/2025	94.39	96.25	-1.86	39.39	89.39	41.13	41.15	0.02	5,300	70.00	No	No	No	No	N/A	N/A
TW-03D	Alluvial	10/20/2025	151.22	152.32	-1.1	106.22	151.22	39.54	39.55	0.01	5,300	140.00	No	No	No	No	N/A	N/A
TW-03D	Alluvial	11/11/2025	151.22	152.32	-1.1	106.22	151.22	39.58	39.60	0.02	5,300	70.00	No	No	No	No	N/A	N/A
TW-03D	Alluvial	12/09/2025	151.22	152.32	-1.1	106.22	151.22	41.02	41.05	0.03	5,300	46.67	No	No	No	No	N/A	N/A
TW-04	Alluvial	12/12/2025	256.49	253.96	2.53	211.49	251.49	31.81	31.83	0.02	500	6.60	No	No	No	No	N/A	N/A
TW-05	Alluvial	12/11/2025	156.33	155.70	0.63	111.33	151.33	43.42	43.45	0.03	300	2.64	No	No	No	No	N/A	N/A

- Notes:**
1. Slant wells (MW-52D, MW-52M, MW-52S, MW-53D, MW-53M, and MW-53S) are not included in this evaluation.
 2. Specific capacity is evaluated for alluvial and fluvial wells. Bedrock wells are not included in this evaluation.

Acronyms and Abbreviations:
-- = no drawdown during purging; specific capacity is good
ft bTOC = feet below top of casing
gpm/foot = gallon per minute per foot
ID = identification
mL/min = milliliter per minute
N/A = not applicable
NM = not measured

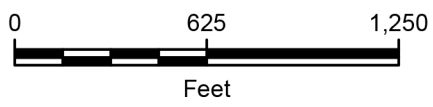
Figures



LEGEND

- ◆ REMEDIATION WELL (EXTRACTION)
- REMEDIATION WELL (INJECTION)
- ◇ REMEDIATION WELL (NOT PLUMBED INTO SYSTEM CURRENTLY)
- ◆ PILOT TEST WELL (EXTRACTION)
- BAT CAVE WASH
- PIPELINE
- REMEDY STRUCTURE

Notes:
 1. NTH = National Trails Highway
 2. PG&E = Pacific Gas and Electric Company

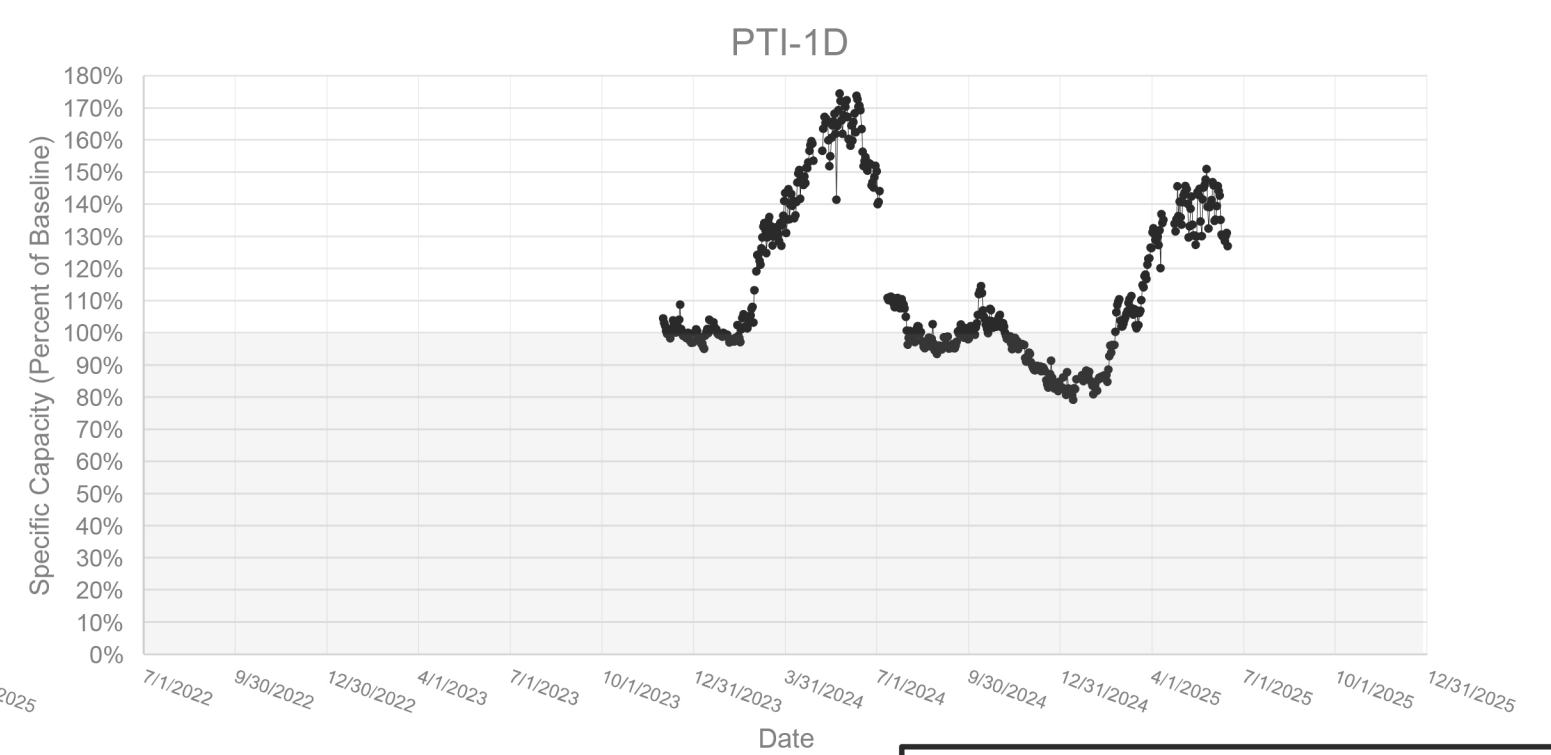
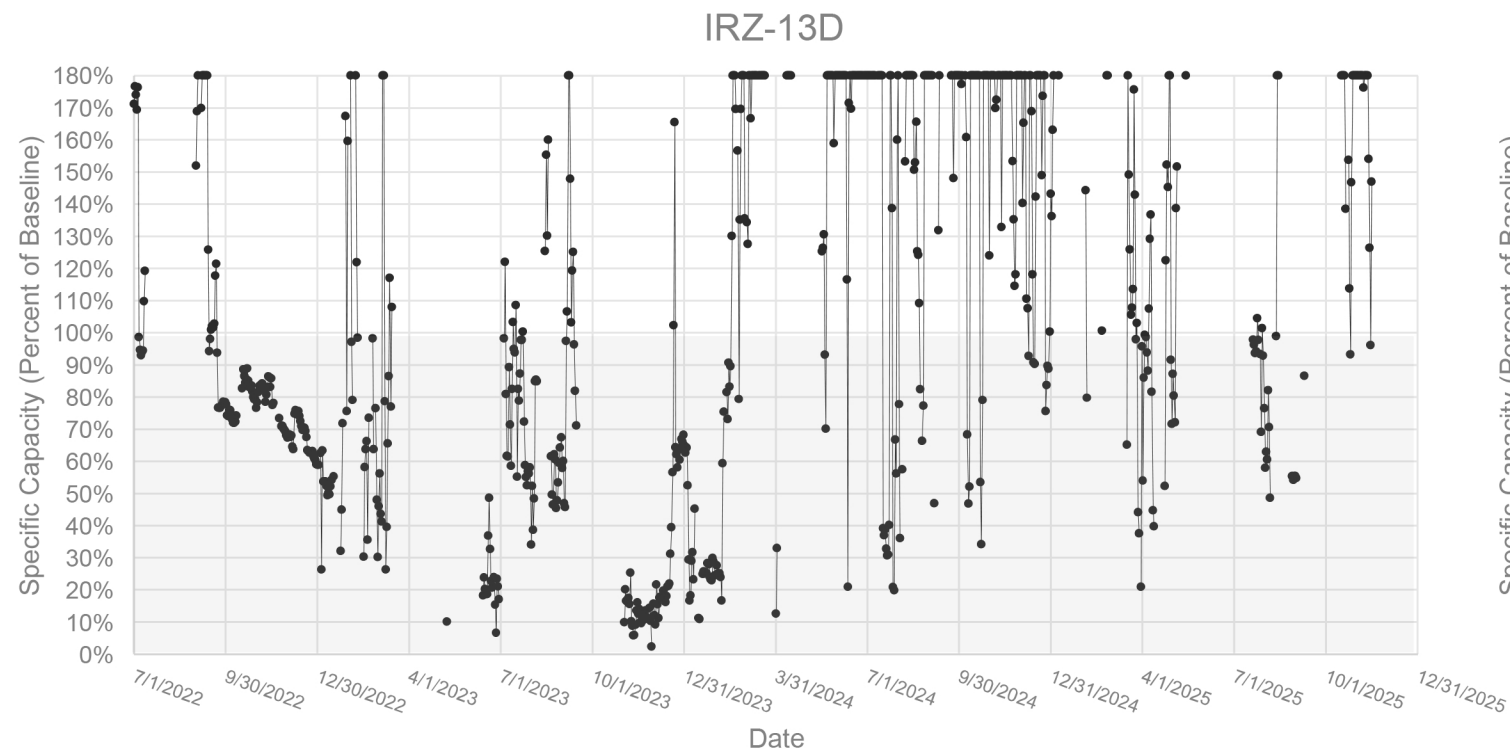
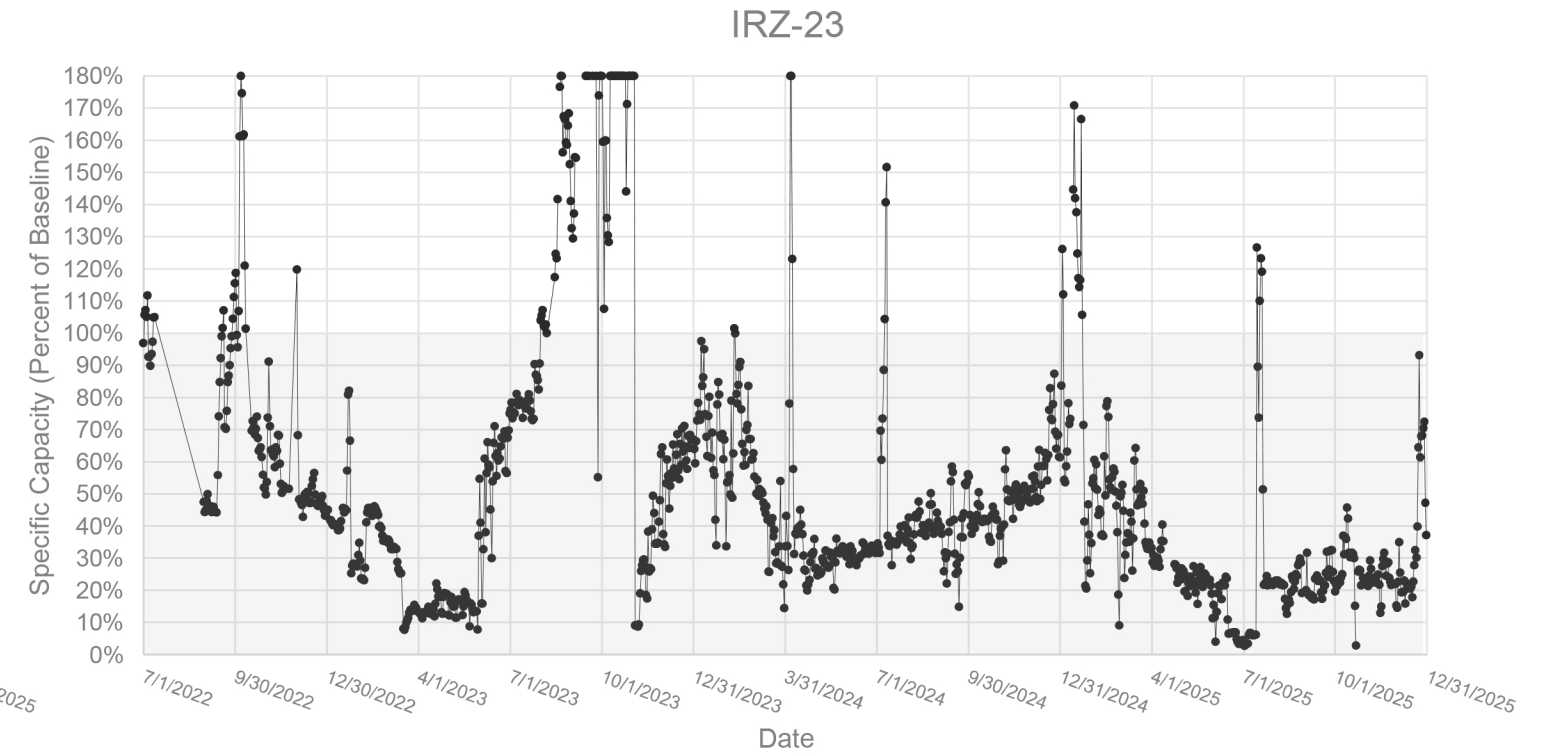
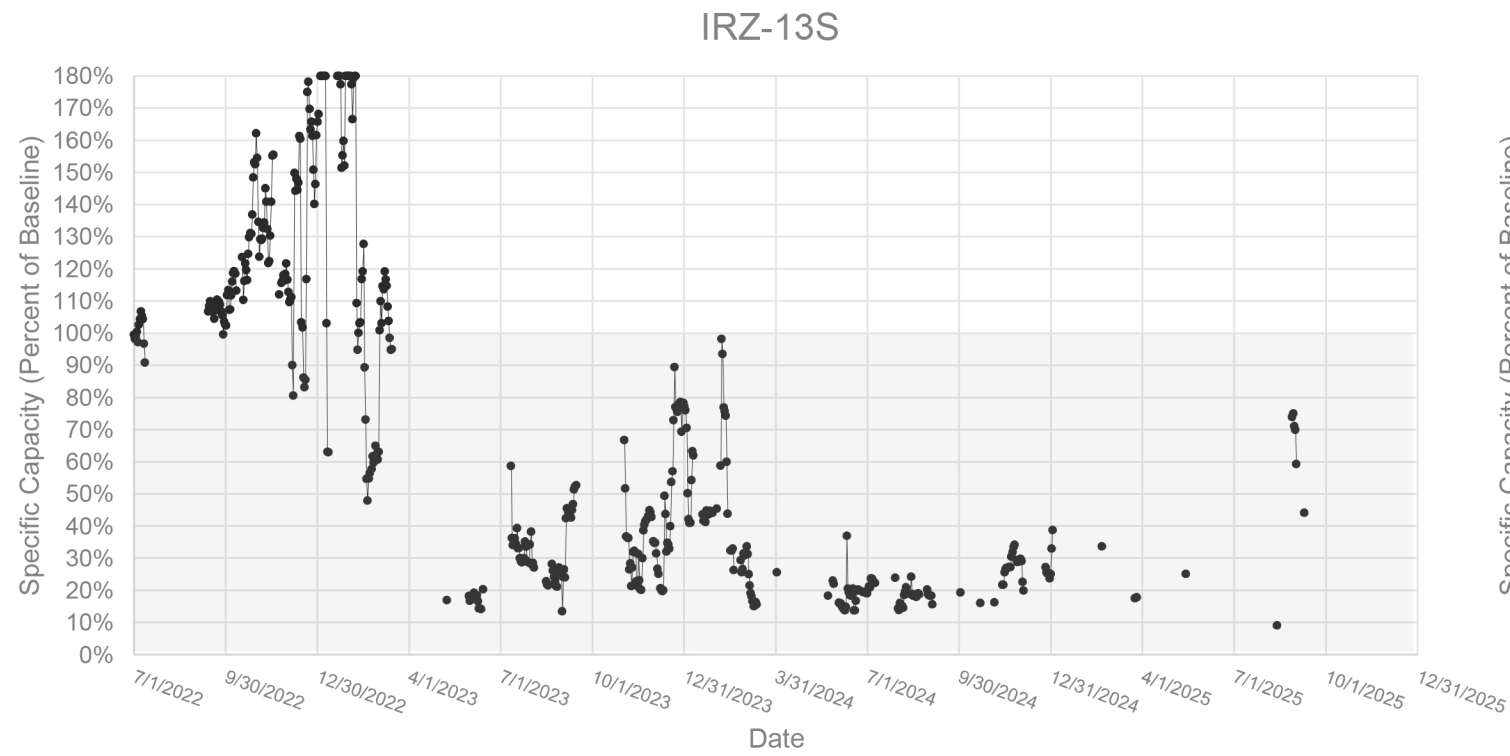


FOURTH QUARTER 2025
 WELL PERFORMANCE REPORT
 PG&E TOPOCK COMPRESSOR STATION
 NEEDLES, CALIFORNIA

**PARTIAL REMEDY
 SYSTEM LAYOUT**



FIGURE
1.1



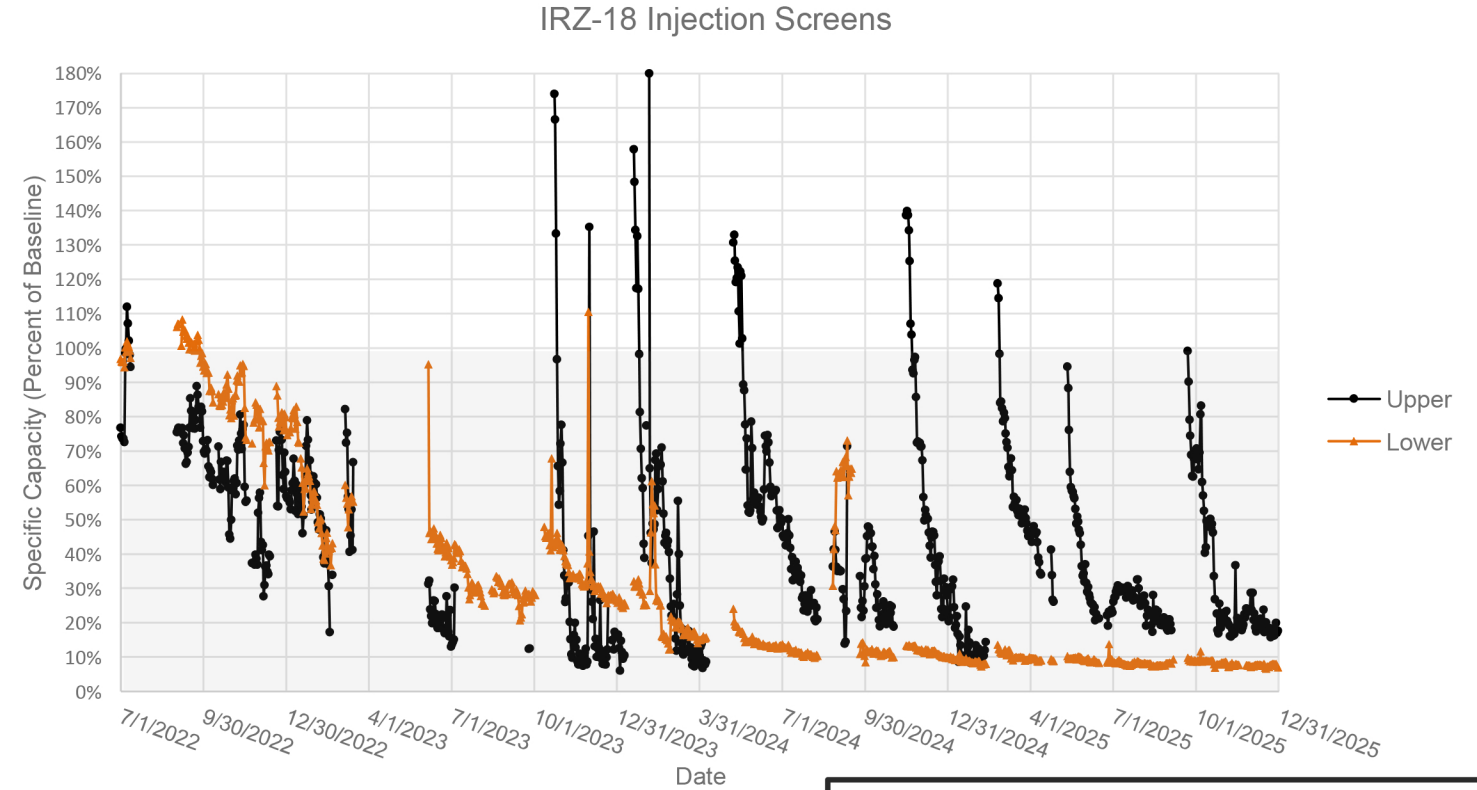
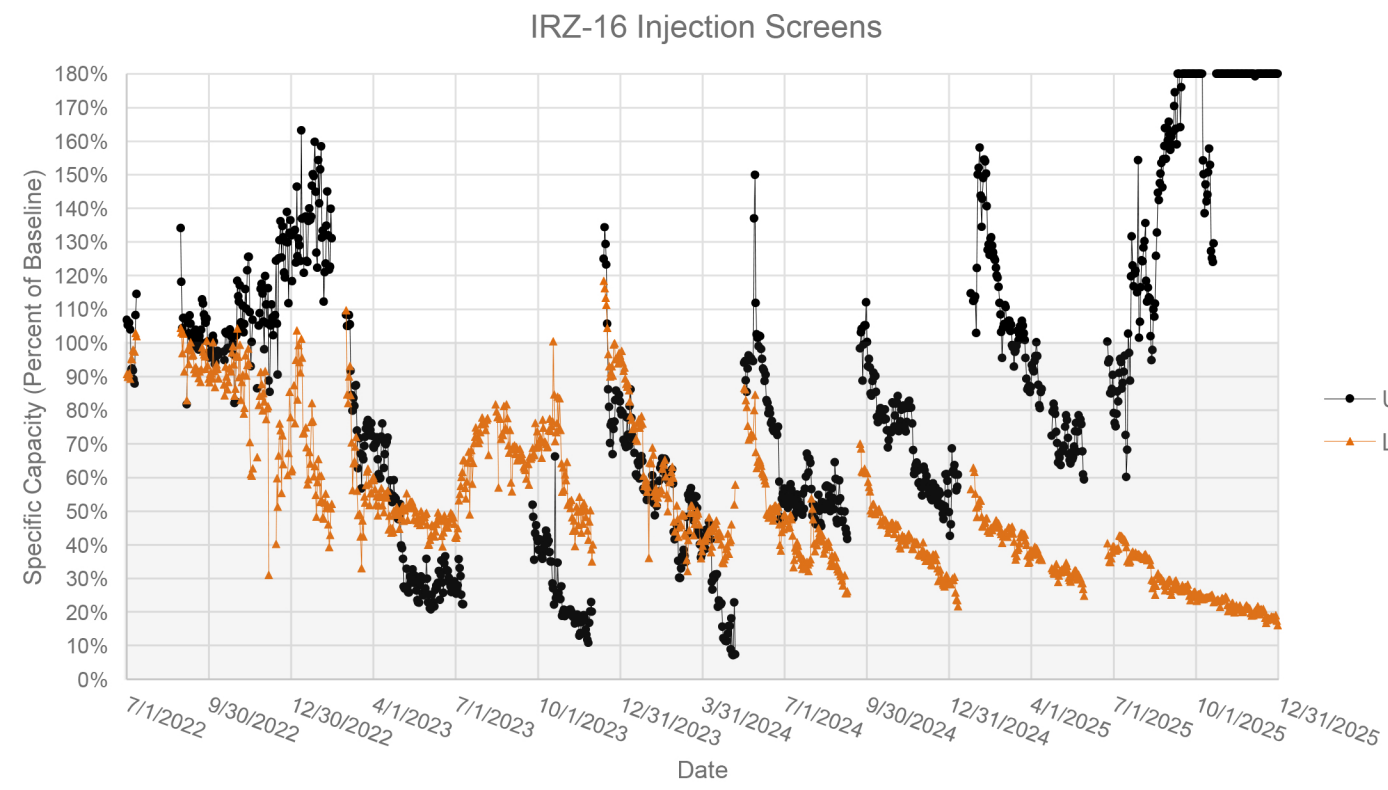
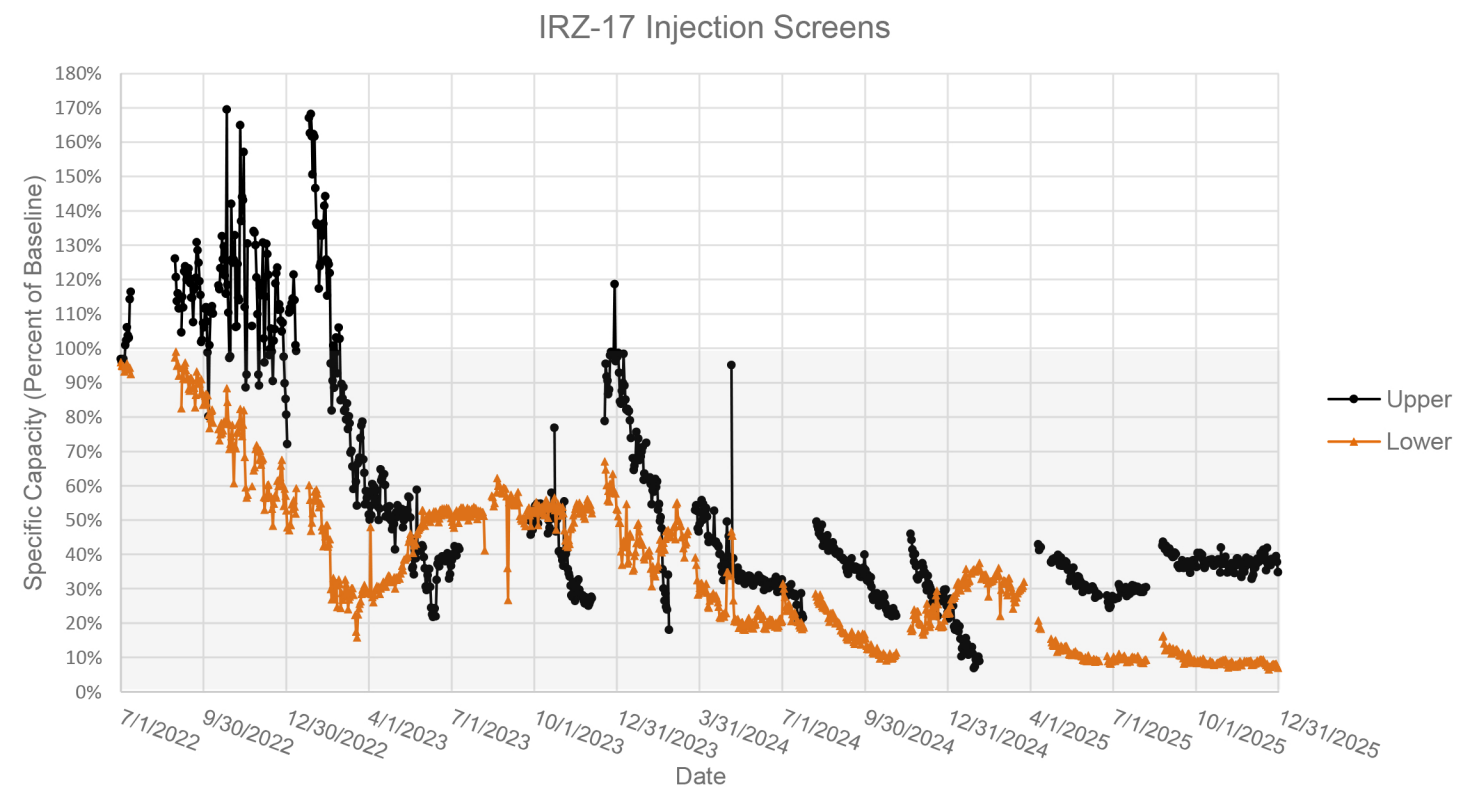
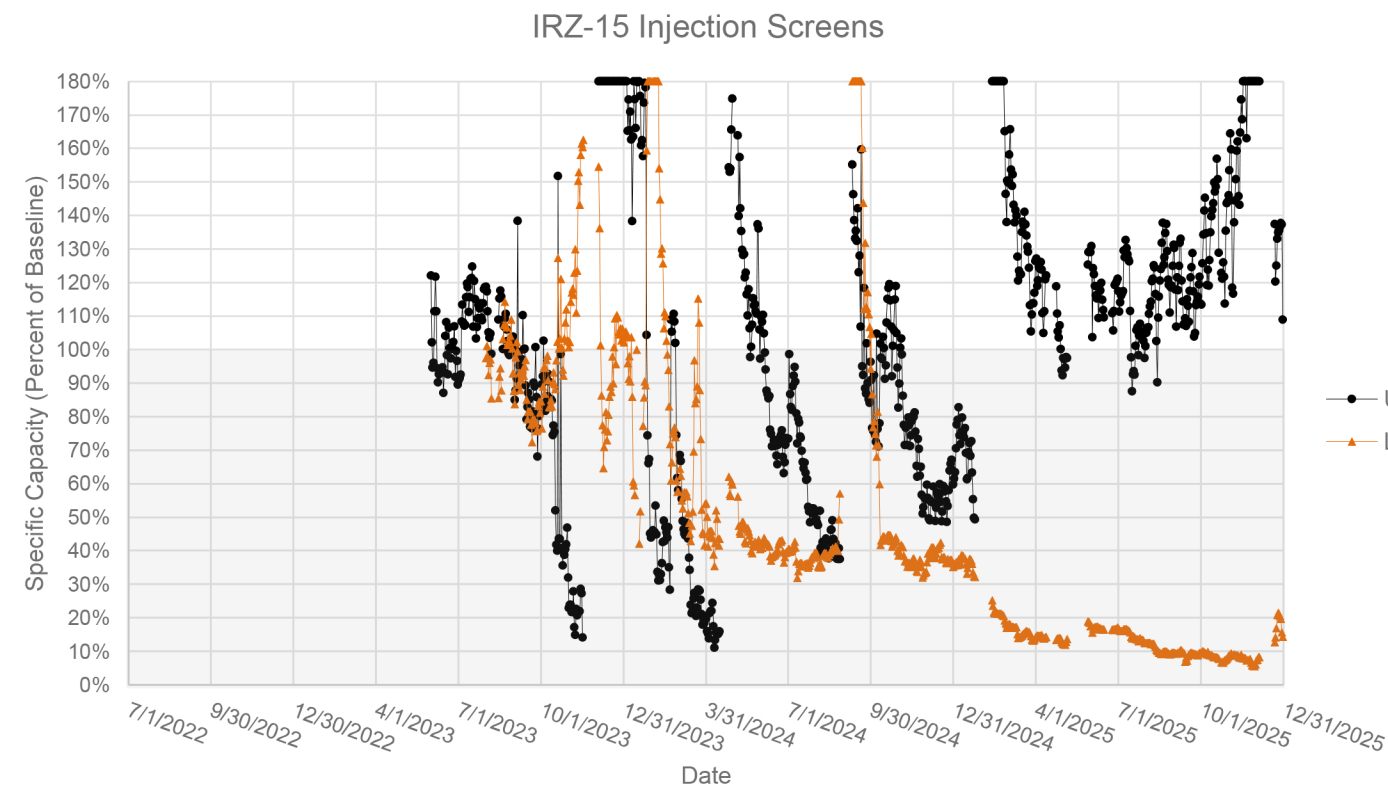
Notes:

1. % = percent
2. Baseline specific capacity for each screen interval is represented as 100% on the y-axis. Values greater than 100% indicate performance exceeding baseline. Values less than 100% are shaded gray.
3. Baseline specific capacity has not been established for IRZ-9 due to limited operation. Therefore, a graph of IRZ-9 is not included.
4. Specific capacities greater than or equal to 180% are shown as 180% to indicate well was operational at a high specific capacity.
5. PTI-1D began operation in November 2023. A baseline specific capacity was established for this well in December 2023. The graph excludes data collected prior to the baseline specific capacity being established.
6. Displayed notes pertain exclusively to data from the current quarter.

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**EXTRACTION WELL SPECIFIC
CAPACITY TRENDS**





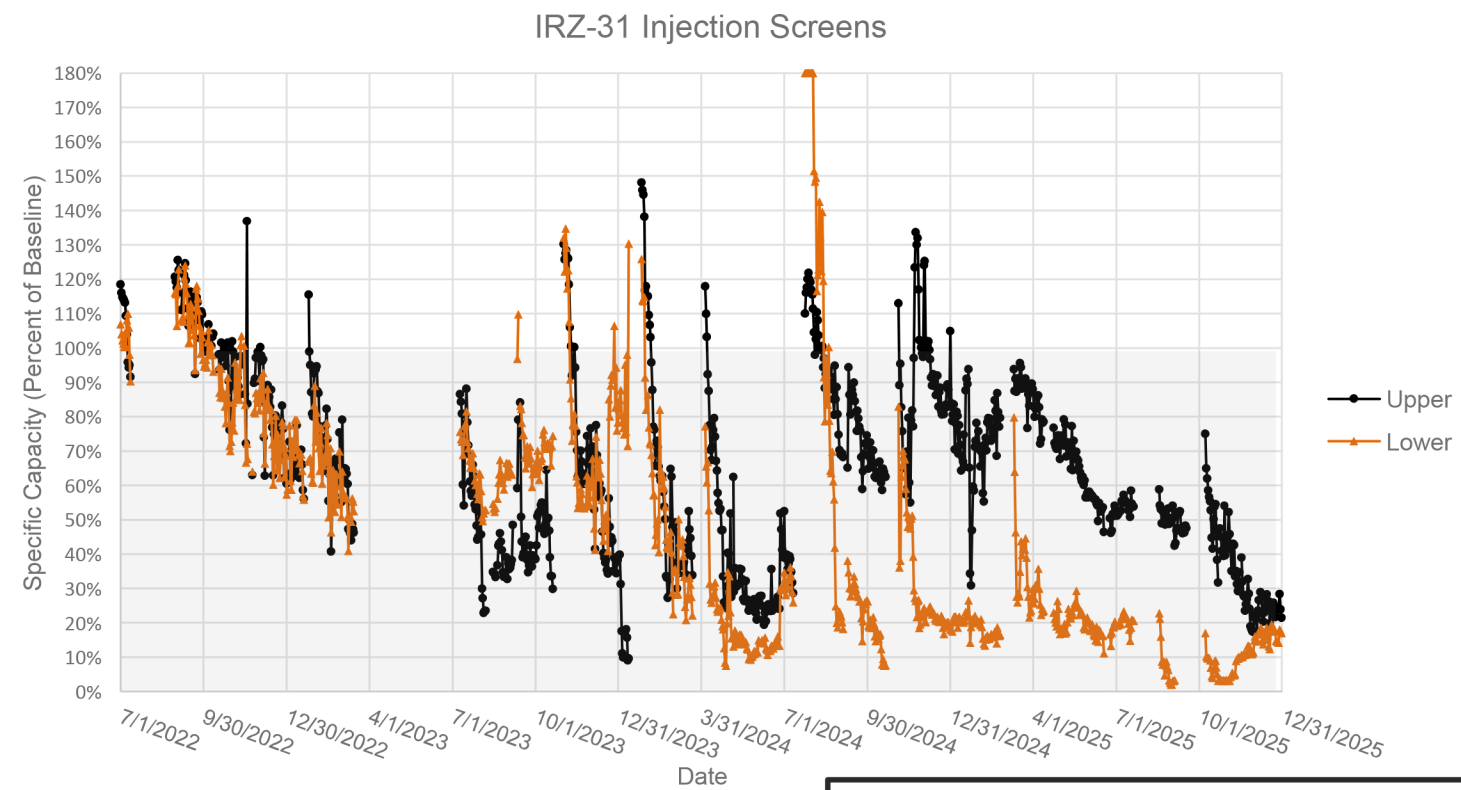
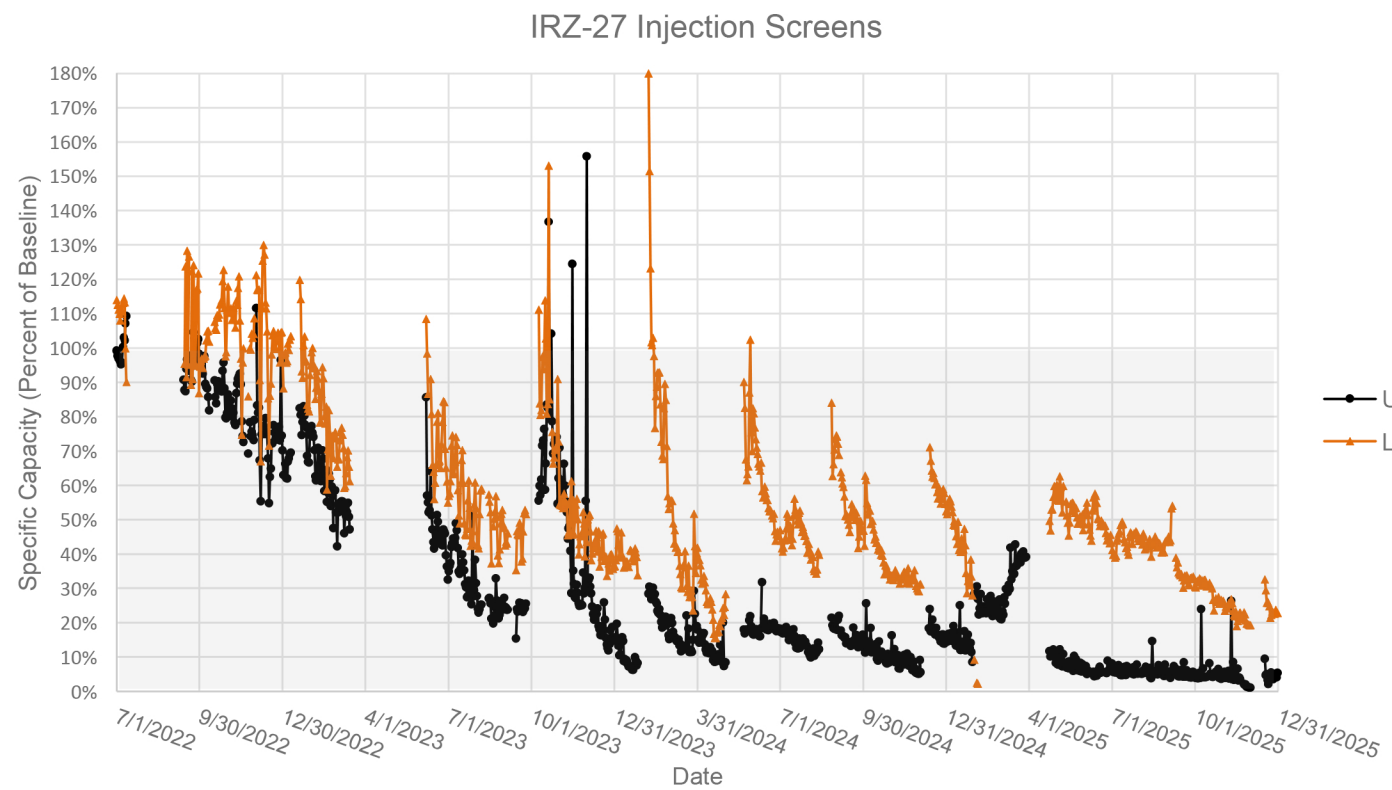
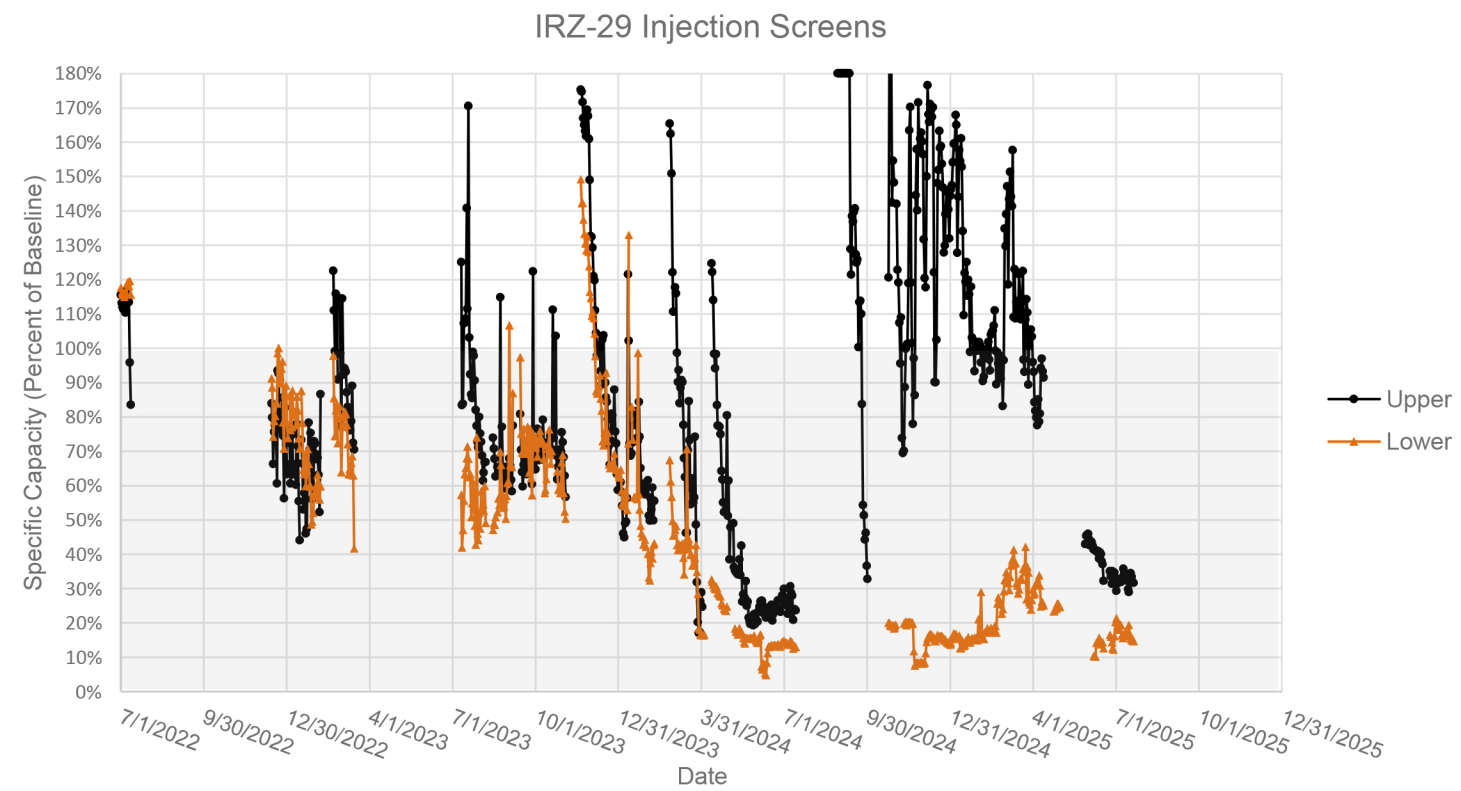
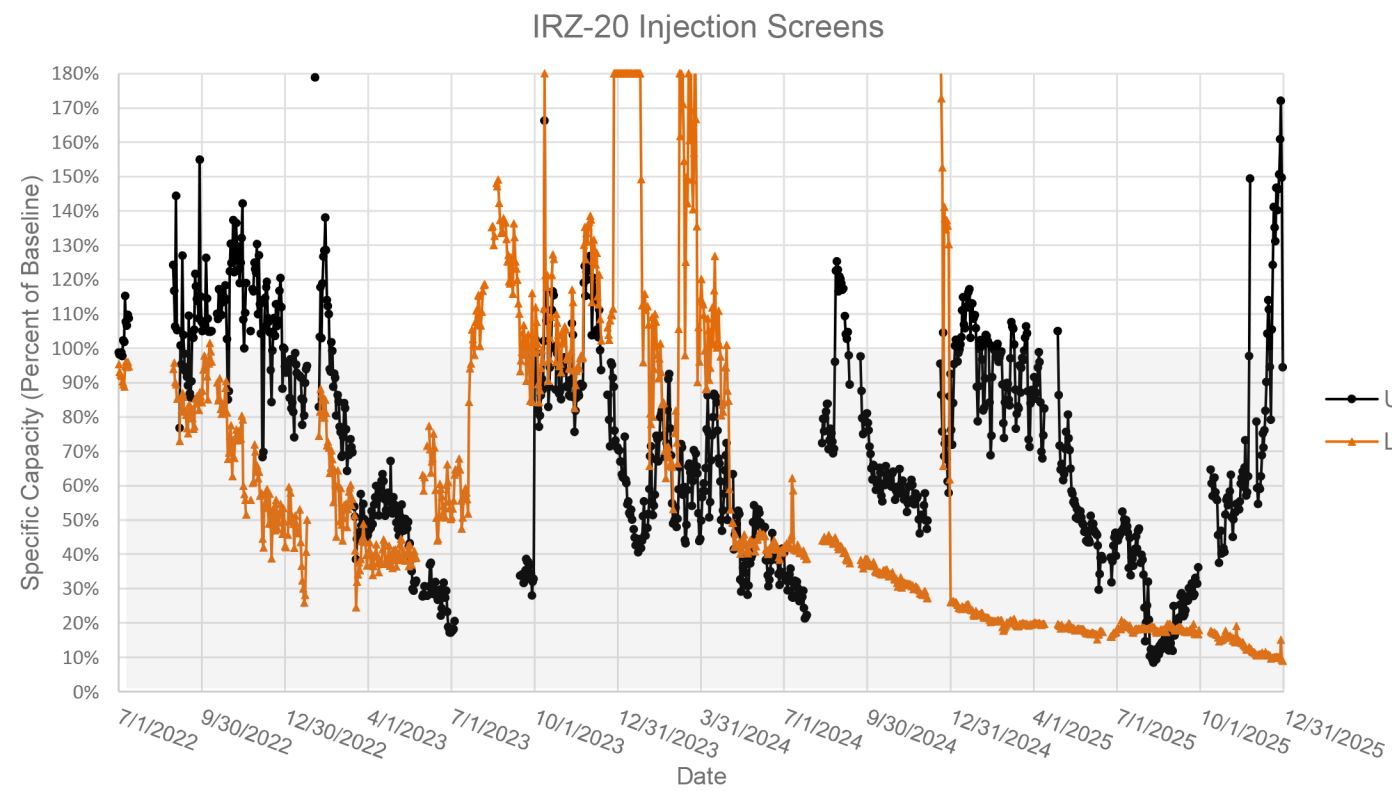
Notes:

1. % = percent
2. Baseline specific capacity for each screen interval is represented as 100% on the y-axis. Specific capacity values greater than 100% indicate performance exceeding baseline. Values less than 100% are shaded gray.
3. Specific capacities greater than or equal to 180% are shown as 180% to indicate well was operational at a high specific capacity.
4. IRZ-15 (upper) began operation in March 2023. IRZ-15 (lower) began operation in April 2023. Baseline specific capacities were established for these wells in June and August 2023, respectively. The graphs exclude data collected prior to the baseline specific capacity being established.
5. Displayed notes pertain exclusively to data from the current quarter.

FOURTH QUARTER 2025
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**INJECTION WELL SPECIFIC
CAPACITY TRENDS PART 1**





Notes:

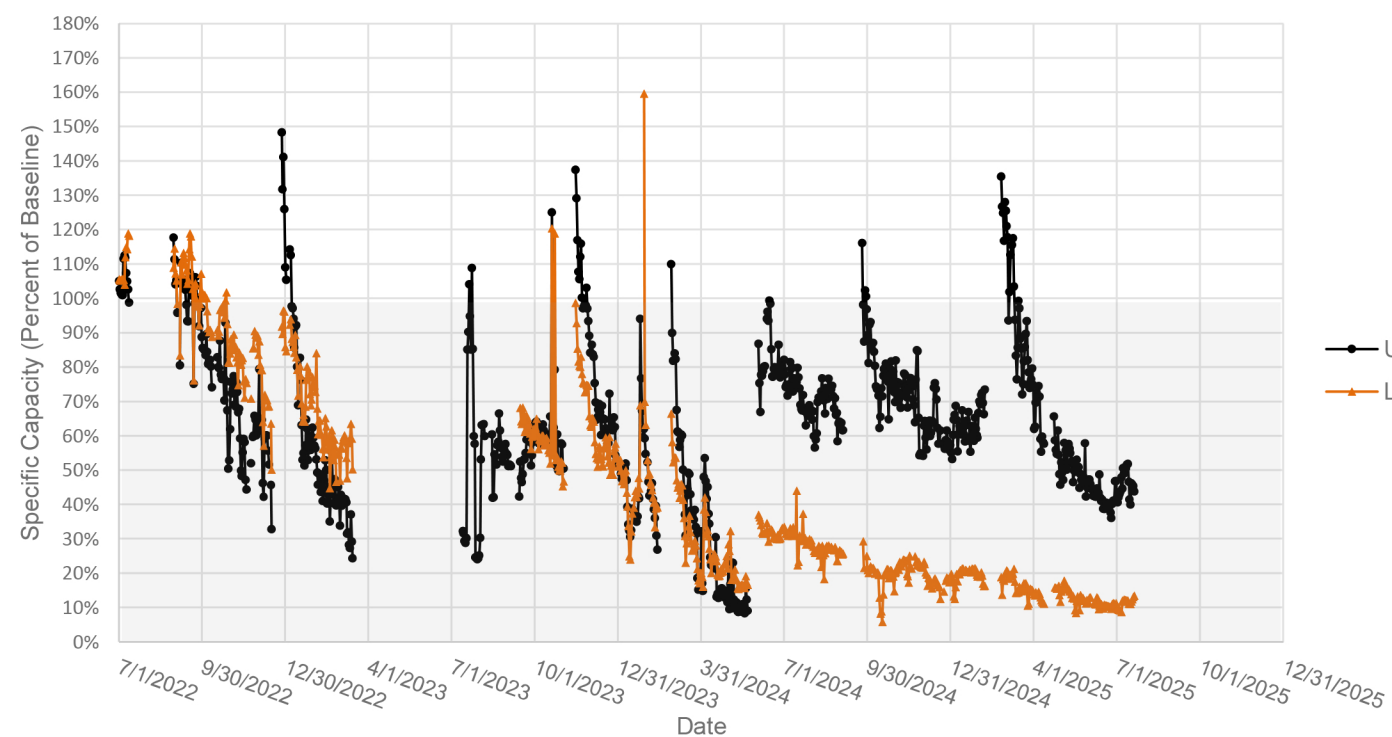
1. % = percent
2. Baseline specific capacity for each screen interval is represented as 100% on the y-axis. Specific capacity values greater than 100% indicate performance exceeding baseline. Values less than 100% are shaded gray.
3. Specific capacities greater than or equal to 180% are shown as 180% to indicate well was operational at a high specific capacity.
4. Displayed notes pertain exclusively to data from the current quarter.

FOURTH QUARTER 2025
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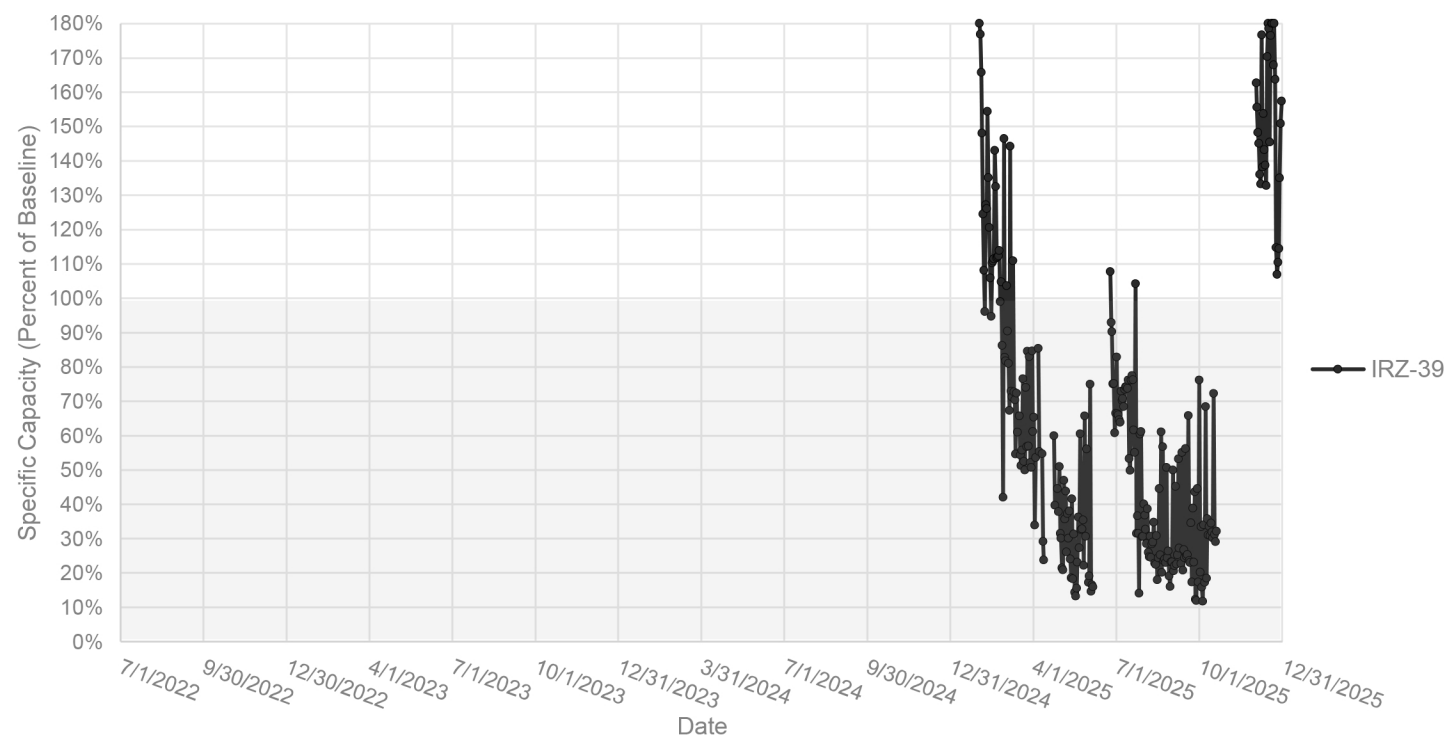
**INJECTION WELL SPECIFIC
 CAPACITY TRENDS PART 2**

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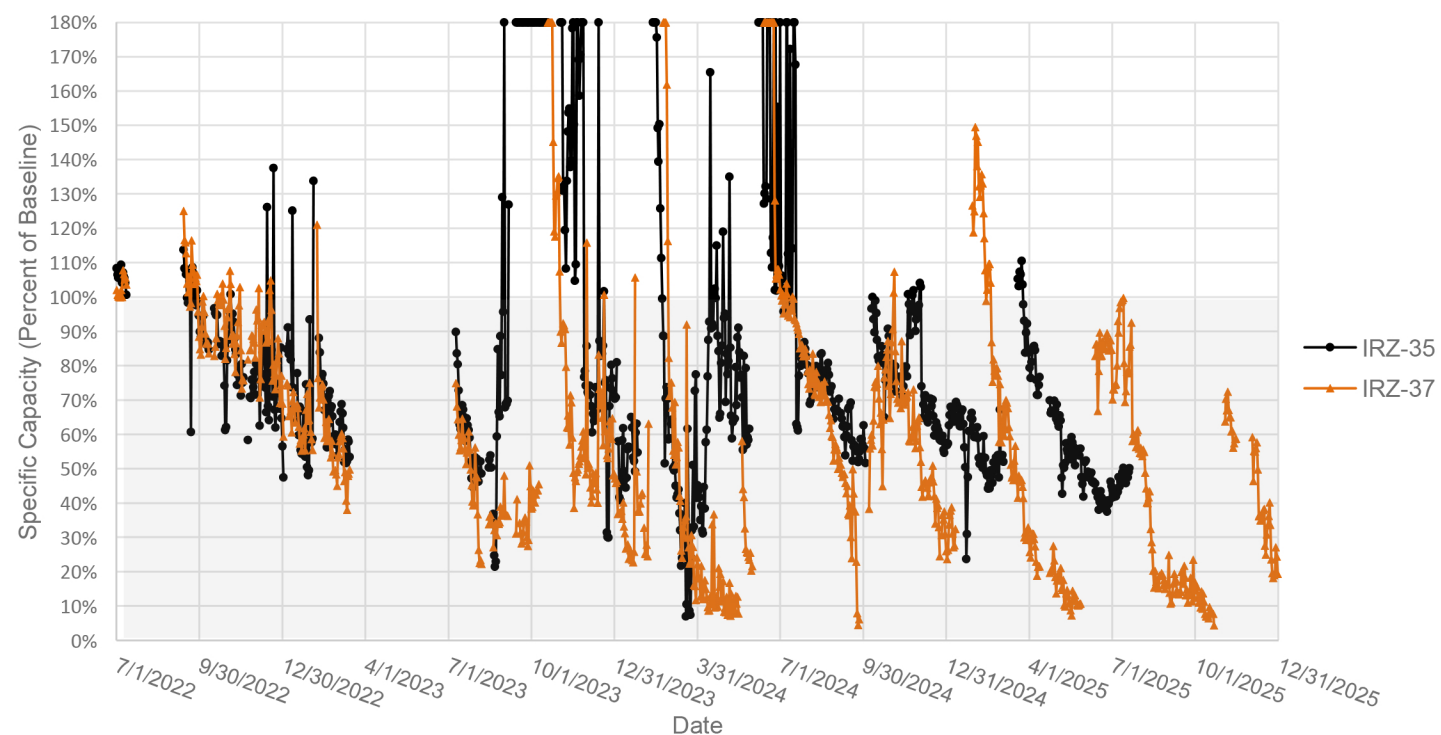
IRZ-33 Injection Screens



IRZ-39 Injection Screens



IRZ-35 and IRZ-37 Injection Screens



Notes:

1. % = percent
2. Baseline specific capacity for each screen interval is represented as 100% on the y-axis. Specific capacity values greater than 100% indicate performance exceeding baseline. Values less than 100% are shaded gray.
3. Specific capacities greater than or equal to 180% are shown as 180% to indicate well was operational at a high specific capacity.
4. IRZ-39 began operation again in December 2024. A baseline specific capacity was established for this well in February 2025. The graph excludes data collected prior to the baseline specific capacity being established.
5. Displayed notes pertain exclusively to data from the current quarter.

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**INJECTION WELL SPECIFIC
CAPACITY TRENDS PART 3**



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