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Subject: *Second Quarter 2026 Well Performance Report, PG&E Topock Compressor Station, Needles, California (PGE20180115A)*

Dear Christopher Ioan and Veronica Dickerson:

Enclosed is the Second Quarter 2026 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 Second Quarter 2026.

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 Second Quarter 2026 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,

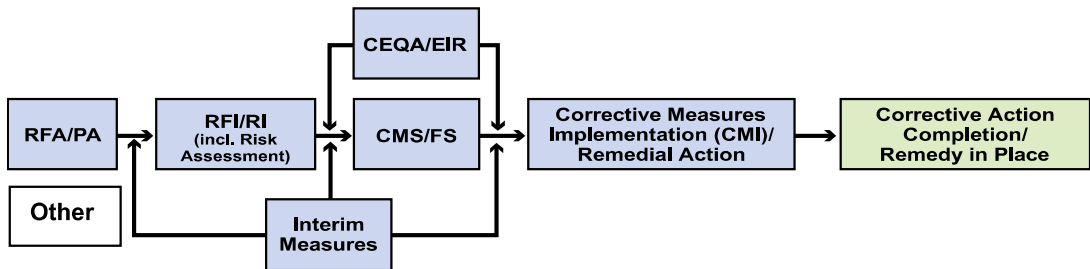


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Topock Project Executive Abstract

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Is this a regulatory requirement?	☒ Yes ☐ 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:	☐ Permit ☐ 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 Second Quarter 2026. 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 Second Quarter 2026 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:	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).  <pre> graph LR RFA[RFA/PA] --> RFI[RFI/RI (incl. Risk Assessment)] Other[Other] --> RFI RFI --> CEQA[CEQA/EIR] RFI --> CMS[CMS/FS] Interim[Interim Measures] --> RFI Interim --> CMS CEQA --> CMS CMS --> CMI[Corrective Measures Implementation (CMI)/ Remedial Action] CMI --> Final[Corrective Action Completion/ Remedy in Place] </pre> 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

Version 9

Pacific Gas and Electric Company

Second Quarter 2026 Well Performance Report

**Topock Compressor Station
Needles, California**

September 17, 2026

Second Quarter 2026 Well Performance Report

Topock Compressor Station

Needles, California

September 17, 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 April to June 2026 (Second Quarter 2026), 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 Second Quarter 2026 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 Second Quarter 2026.

3.1 System Operation Summary

Routine operation of the NTH IRZ system continued throughout Second Quarter 2026 with extraction wells IRZ-23 and IRZ-13D and injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-29, IRZ-31, IRZ-33, IRZ-37, and IRZ-39. Southern NTH IRZ injection well IRZ-35 remained cycled off for a rest period, in accordance with the Final BOD (CH2M Hill 2015a), because it was not needed to manage groundwater extracted by the NTH IRZ system and prolonged treatment had been observed in the area of IRZ-35.

Routine operation during Second Quarter 2026 prioritized maintaining target extraction rates at IRZ-23, followed by IRZ-13D, to enhance plume control, and NTH IRZ injection wells were operated, 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 Second Quarter 2026 to provide hydraulic control of the deep lobe of the Cr6 plume to the north. IRZ-13S was not operated in Second Quarter 2026 to prioritize operation of IRZ-23 and IRZ-13D.

Throughout Second Quarter 2026, the northern and most of the southern NTH IRZ injection wells were dosed with ethanol biweekly (every other week). Southern NTH IRZ injection wells IRZ-27 and IRZ-39 were dosed three times every 2 weeks at the beginning of Second Quarter 2026 to address concentrations of Cr6 near IRZ-27 and nitrate near IRZ-39. Beginning on June 23, 2026, IRZ-27 was incorporated into the biweekly dosing schedule due to the indication of fouling in the upper interval. IRZ-39 continued to be dosed three times every 2 weeks. 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 328 gallons of ethanol were injected in Second Quarter 2026. 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/or mechanical well rehabilitation occurred at the following NTH IRZ injection wells in Second Quarter 2026: IRZ-15, IRZ-20, IRZ-25, IRZ-27, IRZ-33, IRZ-37, and IRZ-39. Average systemwide uptime was 99 percent in Second Quarter 2026². The following notable events occurred in Second Quarter 2026:

- Rain infiltration during a storm event caused a systemwide shutdown from June 13 to June 14 (14.1 hours); and
- Troubleshooting a Node 2 malfunction that occurred due to the aforementioned rain infiltration event caused a systemwide shutdown on June 15 (3.0 hours).

¹ In Second Quarter 2026, 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 Second Quarter 2026.

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 Second Quarter 2026 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 Second Quarter 2026). 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 Second Quarter 2026 with only minimal downtime as noted in Table 3.1. The monthly average flowrate during operation ranged from 60 to 63 gpm. IRZ-23 was operated near the target flowrate of approximately 60 gpm or higher. The fluctuation in specific capacity observed at IRZ-23 throughout Second Quarter 2026 is attributed to flowrate adjustments.
- **IRZ-13S** was not operated in Second Quarter 2026, except during quarterly sampling in May 2026.
- **IRZ-13D** was operated for approximately 1 month (between April 10 and May 12) in Second Quarter 2026, then again for approximately 4 days in June (between June 18 and 22), with monthly average flowrates during operation ranging between 8 and 10 gpm. While operating, the specific capacity typically exceeded 100 percent of baseline when the flowrate exceeded 10 gpm.
- **PTI-1D** was not operated in Second Quarter 2026, except during monthly sampling in April, May, and June 2026 (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 Second Quarter 2026.

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 Second Quarter 2026.

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 Second Quarter 2026 Quarterly Progress Report (Arcadis, in progress) 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 Second Quarter 2026 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 May 2026 (quarterly), and PTI-1D was sampled in April, May, and June (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 total iron at IRZ-9 and dissolved manganese at IRZ-13S. These results are not indicative of fouling because IRZ-9 and IRZ-13S did not operate in Second Quarter 2026 prior to the sampling event, and the concentrations are within the range of previous concentrations observed in these wells. Although baseline TOC concentrations are not available for the extraction wells, TOC concentrations in these wells remained below detectable levels in Second Quarter 2026. 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 Second Quarter 2026 based on the water quality results.

Exhibit 3.1 Second Quarter 2026 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	May 2026	0.43	Less than 1	0.028	Less than 0.02	0.0009
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	May 2026	99	Less than 1	0.0095	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

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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-13S	May 2026	0.44	Less than 1	Less than 0.02	Less than 0.02	0.0023
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	May 2026	37	Less than 1	Less than 0.02	Less than 0.02	0.0017
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	April 2026	0.44	--	0.25	0.23	0.84
PTI-1D	May 2026	0.44	--	0.26	0.24	0.83
PTI-1D	June 2026	0.24	--	0.31 J	0.28	1.0

Notes:

Range is the concentration range for the indicated well from baseline to date. Results shown are the Second Quarter 2026 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 Second Quarter 2026.

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 Second Quarter 2026, and the results are discussed in the Second Quarter 2026 Quarterly Progress Report (Arcadis, in progress).

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 Second Quarter 2026 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 Second Quarter 2026. 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 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 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 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. Based on those recommendations, IRZ-20 was rehabilitated in Second Quarter 2026 using an enhanced approach intended to reduce microbial activity and inhibit rapid biofouling recurrence. This approach included an initial sodium hypochlorite treatment to oxidize and break down organic material in the upper and lower screens, followed by traditional chemical and mechanical development using a NuWell non-phosphate-based clay dispersant. The well was then purged until chlorine concentrations were reduced, and a final disinfection step was completed using sodium hypochlorite and a NuWell chlorine enhancer as the downhole equipment was reinstalled. Water generated from purging was transferred to a truck-mounted tank for chlorine neutralization using sodium thiosulfate followed by sodium metabisulfite. The purged water chemistry did not respond to these chemicals as anticipated, requiring additional chlorine neutralization efforts and extending the overall rehabilitation timeline. Alternatives for purged water management will be considered if sodium hypochlorite is used for well rehabilitation in the future.

Enhanced rehabilitation procedures based on Water Systems Engineering's detailed evaluations are planned for IRZ-15 and IRZ-17 in Third Quarter 2026. The procedures and results will be summarized in the Third Quarter 2026 Well Performance Report.

3.3.2 Injection Well O&M and Specific Capacity Summary

Injection wells operating during Second Quarter 2026 included IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-29, IRZ-31, IRZ-33, IRZ-37, and IRZ-39. Injection wells were taken offline as needed throughout the quarter

for well rehabilitation. Injection well 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 Second Quarter 2026 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 Second Quarter 2026). Average daily specific capacities are plotted as percentages of the baseline specific capacities established in 2022, 2023, or 2025.

Injection wells rehabilitated in Second Quarter 2026 included IRZ-15, IRZ-20, IRZ-25 (to be completed in Third Quarter 2026), IRZ-27, IRZ-33, IRZ-37, and IRZ-39. The procedures used for well rehabilitation are provided in Section 3.3.1.1. Rehabilitation generally resulted in increased injection well-specific capacities in Second Quarter 2026, 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) did not increase following rehabilitation. As discussed in Section 3.3.1.1, well-specific enhanced rehabilitation procedures are planned for this well.
- Specific capacity for injection well IRZ-20 (lower) increased immediately 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 quickly declined. Specific capacity for injection well IRZ-20 (upper) decreased immediately following rehabilitation but remained greater than 80 percent of baseline. The decrease was likely due to the lower initial flowrate after rehabilitation, and specific capacity subsequently increased throughout the quarter as the flowrate was increased.
- A sustained improvement in specific capacity was not observed for injection well IRZ-27 (upper) following rehabilitation, and specific capacity in this interval generally decreased further throughout Second Quarter 2026, likely due to increased fouling associated with the higher frequency of dosing that had been implemented at this well. The dosing frequency at IRZ-27 was subsequently reduced to biweekly (every other week) beginning on June 23, 2026, as noted in Section 3.1.
- Specific capacities for injection wells IRZ-27 (middle/lower), IRZ-33 (upper and lower), IRZ-37, and IRZ-39 increased following rehabilitation (and flowrates also increased compared to the pre-rehabilitation rates); however, specific capacities generally did not return to greater than 80 percent of baseline.

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 Second Quarter 2026 included the following:

- On April 3, 2026, small air leaks on the packer lines were identified and repaired at IRZ-16 and IRZ-17.
- On April 6, 2026, a packer air leak was identified and repaired at IRZ-17.
- On April 22, 2026, a cracked union caused water to leak into the well vault at IRZ-37. The union was repaired on April 23, 2026.
- On May 21, 2026, a pipe was repaired at IRZ-39 following well rehabilitation.
- On June 13, 2026, a gasket failed on the well vault surge protector at IRZ-29 during a rain event. The rain event also caused the flow control valve at IRZ-29 (lower) to malfunction. While troubleshooting the Node 2 communications issues at IRZ-29 on June 15, 2026, the well vault surge protector stopped functioning. The well vault surge protector was repaired on June 17, 2026. Repair of the flow control valve occurred on June 18, 2026.
- On June 19, 2026, a cracked union was identified at IRZ-31 (lower). Repairs were completed on June 25, 2026.
- On June 21, 2026, a dirty wire and a loose jumper stop valve caused an injection malfunction at IRZ-29. These issues were addressed on June 23, 2026.
- On June 23, 2026, the pressure transducer was replaced at IRZ-15 (lower) because it was producing inaccurate water-level data.
- On June 23, 2026, the pump motor malfunctioned at IRZ-27 (upper). Troubleshooting occurred on June 24, 2026, and the well was able to be restarted.
- On June 24, 2026, a cracked union on the backwash line at IRZ-20 (upper) released water into the well vault. The cracked union was repaired on June 30, 2026.

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.

Sampling of injection wells IRZ-15, IRZ-33, and IRZ-37 for diagnostic chemical and microbiological profiling by Water Systems Engineering was completed in Second Quarter 2026, and sampling of injection wells IRZ-18 and IRZ-29 is planned for Third Quarter 2026 as each well is taken offline for rehabilitation. Recommended well-specific enhancements to the rehabilitation methodology will be implemented as the profiling results are received, and both the enhancements and their effectiveness will be discussed in future well performance reports.

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 Second Quarter 2026 are presented in Table 4.1. Overall, the wellheads were in good condition in Second Quarter 2026, with one exception. At MW-90-031, the well box was noted to be degraded/rusted in Fourth Quarter 2025, and replacement of the well box was originally planned for March or April 2026. However, due to access restrictions to protect roosting bats, the work has now been deferred until after nesting season.

Additional modifications to monitoring well surface completions are planned or were completed to address concerns noted by the DTSC in their December 29, 2025 letter to PG&E (PG&E 2026). The following modifications were implemented in April 2026:

- Grading was completed around MW-51, which is located at the bottom of a slope, to redistribute/remove accumulated eroded material.
- MW-57-050, MW-57-070, and MW-57-185 were raised flush with the road surface such that storm water can drain away from these wells.
- TW-04 was retrofitted with a locking Royer lid on the stovepipe to allow the well to be secured with a lock. The previous locking hasp had rusted off.
- A slip cap was fabricated and installed at FW-02Alt, covering the inner and outer casing, to keep rain and biota from entering the casings until well installation can be completed at this location.

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 Second Quarter 2026 are included in Table 3.3. No monitoring wells yielded turbidity readings greater than 30 nephelometric turbidity units for three consecutive sampling events in Second Quarter 2026, except monitoring well MW-72-080, as noted in Table 4.2. This well is not recommended for redevelopment at this

time because the wellhead condition, depth to well bottom, and specific capacity assessment indicate that well integrity is intact and siltation is not sufficient to warrant redevelopment.

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-51, MW-54-195, and MW-77-046 met this measured well depth criterion in Second Quarter 2026 but are not recommended for redevelopment. Monitoring wells MW-27-020, MW-30-050, MW-32-020, MW-42-055, and MW-54-195 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 not recommended for redevelopment because previous redevelopment of this well did not improve performance, as discussed in the Third Quarter 2023 Well Performance Report (Arcadis 2023b).

Monitoring well MW-77-046 was redeveloped following the October 2024 sampling event (Arcadis 2025a). The drawdown and specific capacity since the redevelopment at MW-77-046 indicate good yield. 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 (20 nephelometric turbidity units or lower) 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.

Greater than 1 foot of drawdown was measured during purging of non-bedrock monitoring well MW-39-080 in Second Quarter 2026, during the June 2026 sampling event (Table 4.2). The water level dropped approximately 1.35 feet during the first 5 minutes of purging, then stabilized between 13.20 and 13.25 feet below the top of casing for the remainder of purging, indicating the well has sufficient yield. Therefore, redevelopment of MW-39-080 is not recommended at this time.

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 2023b), 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.

As discussed in the First Quarter 2026 Well Performance Report (Arcadis 2026), monitoring well MW-38D exhibited elevated pH (above 10 standard units) during consecutive quarterly sampling events starting in First Quarter 2025 and continuing through First Quarter 2026. Siltation and turbidity measurements at this well remained low, and minimal drawdown was observed during sampling. A downhole camera inspection of MW-38D was completed in April 2026 to help identify potential causes for the elevated pH readings. The well appeared to be in good condition with no visible damage. Redevelopment of MW-38D occurred on June 15, 2026, and the well redevelopment log is included in Appendix A. Sampling of MW-38D following redevelopment, on June 18, 2026, indicated a decrease in pH to 8.91.

5 Recommendations and Planned Activities for Next Reporting Period

Phase 1 groundwater remedy operations and the Phase 1 monitoring program will continue in Third Quarter 2026 (July through September 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 general changes to the current well rehabilitation program are proposed, although well-specific rehabilitation recommendations will continue to be implemented based on the results of diagnostic chemical and microbiological profiling by Water Systems Engineering.

In addition to routine groundwater remedy operations and monitoring, the following activities related to well performance are planned for Third 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-18 and IRZ-29 during the next rehabilitation event at these wells.

Well performance monitoring and well maintenance activities will be reported in the Third Quarter 2026 Well Performance Report. The Third 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

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Tables

Table 3.1

Summary of NTH IRZ Well Operations

Second Quarter 2026 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	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	Upper	Injection	Jan-26	323,770	9.6	738	99	7.3
IRZ-15	Upper	Injection	Feb-26	304,668	9.9	668	99	7.6
IRZ-15	Upper	Injection	Mar-26	353,105	12	623	84	9.4
IRZ-15	Upper	Injection	Apr-26	388,604	11	716	99	9.0
IRZ-15	Upper	Injection	May-26	171,543	5.2	346	46	8.3
IRZ-15	Upper	Injection	Jun-26	123,711	4.1	297	41	6.9
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-15	Lower	Injection	Jan-26	141,846	3.1	401	54	5.9
IRZ-15	Lower	Injection	Feb-26	239,688	7.7	668	99	6.0
IRZ-15	Lower	Injection	Mar-26	253,262	8.7	622	84	6.8
IRZ-15	Lower	Injection	Apr-26	252,061	7.4	715	99	5.9
IRZ-15	Lower	Injection	May-26	119,727	3.4	345	46	5.8
IRZ-15	Lower	Injection	Jun-26	72,822	4.0	187	26	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	Upper	Injection	Jan-26	495,508	15	739	99	11.2
IRZ-16	Upper	Injection	Feb-26	216,250	—	293	44	12.3
IRZ-16	Upper	Injection	Mar-26	86,875	4.2	196	26	7.4
IRZ-16	Upper	Injection	Apr-26	270,410	7.5	715	99	6.3
IRZ-16	Upper	Injection	May-26	299,756	9.5	740	99	6.8
IRZ-16	Upper	Injection	Jun-26	281,279	11	701	97	6.7
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-16	Lower	Injection	Jan-26	152,617	4.6	739	99	3.4
IRZ-16	Lower	Injection	Feb-26	59,941	—	293	44	3.4
IRZ-16	Lower	Injection	Mar-26	87,441	3.5	196	26	7.4
IRZ-16	Lower	Injection	Apr-26	432,100	12	714	99	10.1
IRZ-16	Lower	Injection	May-26	374,376	11	739	99	8.4
IRZ-16	Lower	Injection	Jun-26	296,953	13	699	97	7.1
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	Upper	Injection	Jan-26	152,471	—	448	60	5.7
IRZ-17	Upper	Injection	Feb-26	39,316	—	107	16	6.1
IRZ-17	Upper	Injection	Mar-26	150,889	5.1	618	83	4.1
IRZ-17	Upper	Injection	Apr-26	100,791	3.1	702	98	2.4
IRZ-17	Upper	Injection	May-26	53,906	1.4	739	99	1.2
IRZ-17	Upper	Injection	Jun-26	122,344	5.4	700	97	2.9
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-17	Lower	Injection	Jan-26	36,299	—	448	60	1.4
IRZ-17	Lower	Injection	Feb-26	16,592	—	107	16	2.6
IRZ-17	Lower	Injection	Mar-26	89,189	3.0	629	85	2.4
IRZ-17	Lower	Injection	Apr-26	160,137	4.6	713	99	3.7
IRZ-17	Lower	Injection	May-26	230,869	6.5	738	99	5.2
IRZ-17	Lower	Injection	Jun-26	262,910	12	701	97	6.3
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	Upper	Injection	Jan-26	17,067	—	171	23	1.7
IRZ-18	Upper	Injection	Feb-26	94,893	2.2	455	68	3.5
IRZ-18	Upper	Injection	Mar-26	59,518	2.1	608	82	1.6
IRZ-18	Upper	Injection	Apr-26	46,435	1.4	707	98	1.1
IRZ-18	Upper	Injection	May-26	47,139	1.5	736	99	1.1
IRZ-18	Upper	Injection	Jun-26	30,703	1.2	558	78	0.9
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-18	Lower	Injection	Jan-26	21,611	—	172	23	2.1
IRZ-18	Lower	Injection	Feb-26	61,309	1.6	450	67	2.3

Table 3.1

Summary of NTH IRZ Well Operations

Second Quarter 2026 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-18	Lower	Injection	Mar-26	86,104	2.9	624	84	2.3
IRZ-18	Lower	Injection	Apr-26	86,113	2.6	711	99	2.0
IRZ-18	Lower	Injection	May-26	64,873	2.1	737	99	1.5
IRZ-18	Lower	Injection	Jun-26	58,301	2.3	560	78	1.7
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	Upper	Injection	Jan-26	438,027	14	738	99	9.9
IRZ-20	Upper	Injection	Feb-26	482,754	15	669	100	12.0
IRZ-20	Upper	Injection	Mar-26	487,559	16	629	85	12.9
IRZ-20	Upper	Injection	Apr-26	71,670	—	211	29	5.7
IRZ-20	Upper	Injection	May-26	225,205	5.6	713	96	5.3
IRZ-20	Upper	Injection	Jun-26	253,232	9.8	542	75	7.8
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-20	Lower	Injection	Jan-26	83,477	2.5	730	98	1.9
IRZ-20	Lower	Injection	Feb-26	54,717	1.9	642	96	1.4
IRZ-20	Lower	Injection	Mar-26	53,701	2.3	562	76	1.6
IRZ-20	Lower	Injection	Apr-26	24,229	—	208	29	1.9
IRZ-20	Lower	Injection	May-26	103,721	2.5	712	96	2.4
IRZ-20	Lower	Injection	Jun-26	60,391	3.0	540	75	1.9
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	Upper	Injection	Jan-26	—	—	—	—	—
IRZ-21	Upper	Injection	Feb-26	—	—	—	—	—
IRZ-21	Upper	Injection	Mar-26	—	—	—	—	—
IRZ-21	Upper	Injection	Apr-26	—	—	—	—	—
IRZ-21	Upper	Injection	May-26	—	—	—	—	—
IRZ-21	Upper	Injection	Jun-26	—	—	—	—	—
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-21	Lower	Injection	Jan-26	—	—	—	—	—
IRZ-21	Lower	Injection	Feb-26	—	—	—	—	—
IRZ-21	Lower	Injection	Mar-26	—	—	—	—	—
IRZ-21	Lower	Injection	Apr-26	—	—	—	—	—
IRZ-21	Lower	Injection	May-26	—	—	—	—	—
IRZ-21	Lower	Injection	Jun-26	—	—	—	—	—
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	Upper/Upper Middle	Injection	Jan-26	—	—	—	—	—
IRZ-25	Upper/Upper Middle	Injection	Feb-26	—	—	—	—	—
IRZ-25	Upper/Upper Middle	Injection	Mar-26	—	—	—	—	—
IRZ-25	Upper/Upper Middle	Injection	Apr-26	—	—	—	—	—
IRZ-25	Upper/Upper Middle	Injection	May-26	—	—	—	—	—
IRZ-25	Upper/Upper Middle	Injection	Jun-26	—	—	—	—	—
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-25	Lower	Injection	Jan-26	—	—	—	—	—
IRZ-25	Lower	Injection	Feb-26	—	—	—	—	—
IRZ-25	Lower	Injection	Mar-26	—	—	—	—	—
IRZ-25	Lower	Injection	Apr-26	—	—	—	—	—
IRZ-25	Lower	Injection	May-26	—	—	—	—	—
IRZ-25	Lower	Injection	Jun-26	—	—	—	—	—
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	Upper	Injection	Jan-26	52,101	4.2	737	99	1.2
IRZ-27	Upper	Injection	Feb-26	44,674	4.2	664	99	1.1
IRZ-27	Upper	Injection	Mar-26	34,193	2.8	547	74	1.0
IRZ-27	Upper	Injection	Apr-26	—	—	—	—	—
IRZ-27	Upper	Injection	May-26	22,972	1.9	480	65	—
IRZ-27	Upper	Injection	Jun-26	12,873	0.68	215	30	1.0
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

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Second Quarter 2026 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-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-27	Middle/Lower	Injection	Jan-26	215,215	17	738	99	4.9
IRZ-27	Middle/Lower	Injection	Feb-26	172,705	15	668	99	4.3
IRZ-27	Middle/Lower	Injection	Mar-26	154,209	14	574	77	4.5
IRZ-27	Middle/Lower	Injection	Apr-26	—	—	—	—	—
IRZ-27	Middle/Lower	Injection	May-26	264,864	25	609	82	7.3
IRZ-27	Middle/Lower	Injection	Jun-26	307,549	28	637	88	8.0
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	Upper	Injection	Jan-26	—	—	—	—	—
IRZ-29	Upper	Injection	Feb-26	180,615	8.1	454	68	6.6
IRZ-29	Upper	Injection	Mar-26	311,846	11	614	83	8.5
IRZ-29	Upper	Injection	Apr-26	360,186	11	712	99	8.4
IRZ-29	Upper	Injection	May-26	369,102	12	714	96	8.6
IRZ-29	Upper	Injection	Jun-26	247,412	9.4	570	79	7.2
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-29	Lower	Injection	Jan-26	—	—	—	—	—
IRZ-29	Lower	Injection	Feb-26	93,320	2.3	447	67	3.5
IRZ-29	Lower	Injection	Mar-26	122,705	4.3	608	82	3.4
IRZ-29	Lower	Injection	Apr-26	132,305	3.9	714	99	3.1
IRZ-29	Lower	Injection	May-26	117,012	3.9	713	96	2.7
IRZ-29	Lower	Injection	Jun-26	71,875	3.3	494	69	2.4
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	Upper	Injection	Jan-26	109,844	6.4	717	96	2.6
IRZ-31	Upper	Injection	Feb-26	65,342	4.1	659	98	1.7
IRZ-31	Upper	Injection	Mar-26	31,953	—	206	28	2.6
IRZ-31	Upper	Injection	Apr-26	190,264	5.8	714	99	4.4
IRZ-31	Upper	Injection	May-26	182,734	5.9	713	96	4.3
IRZ-31	Upper	Injection	Jun-26	125,752	5.1	597	83	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-31	Lower	Injection	Jan-26	104,111	6.6	723	97	2.4
IRZ-31	Lower	Injection	Feb-26	70,674	4.3	659	98	1.8
IRZ-31	Lower	Injection	Mar-26	34,238	—	209	28	2.7
IRZ-31	Lower	Injection	Apr-26	220,166	7.6	712	99	5.2
IRZ-31	Lower	Injection	May-26	91,182	2.9	689	93	2.2
IRZ-31	Lower	Injection	Jun-26	51,582	2.4	451	63	1.9
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	Upper	Injection	Jan-26	31,777	—	79	11	6.7
IRZ-33	Upper	Injection	Feb-26	257,227	16	658	98	6.5
IRZ-33	Upper	Injection	Mar-26	200,918	6.5	613	82	5.5
IRZ-33	Upper	Injection	Apr-26	221,084	6.7	712	99	5.2
IRZ-33	Upper	Injection	May-26	140,576	5.4	626	84	3.7
IRZ-33	Upper	Injection	Jun-26	8,535	2.5	36	5.0	4.0
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-33	Lower	Injection	Jan-26	8,648	—	57	7.7	2.5
IRZ-33	Lower	Injection	Feb-26	57,386	3.3	618	92	1.5
IRZ-33	Lower	Injection	Mar-26	46,936	1.9	528	71	1.5
IRZ-33	Lower	Injection	Apr-26	60,659	1.9	667	93	1.5
IRZ-33	Lower	Injection	May-26	40,469	1.4	623	84	1.1
IRZ-33	Lower	Injection	Jun-26	1,792	0.85	19	2.6	1.6
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-35	Upper	Injection	Jan-26	—	—	—	—	—
IRZ-35	Upper	Injection	Feb-26	—	—	—	—	—
IRZ-35	Upper	Injection	Mar-26	—	—	—	—	—
IRZ-35	Upper	Injection	Apr-26	—	—	—	—	—
IRZ-35	Upper	Injection	May-26	—	—	—	—	—
IRZ-35	Upper	Injection	Jun-26	—	—	—	—	—

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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-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-37	Upper	Injection	Jan-26	78,286	4.7	721	97	1.8
IRZ-37	Upper	Injection	Feb-26	48,878	3.2	642	96	1.3
IRZ-37	Upper	Injection	Mar-26	25,865	0.97	588	79	0.73
IRZ-37	Upper	Injection	Apr-26	23,673	0.91	685	95	0.6
IRZ-37	Upper	Injection	May-26	82,120	1.3	486	65	2.8
IRZ-37	Upper	Injection	Jun-26	179,255	6.0	635	88	4.7
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-39	Upper	Injection	Jan-26	41,931	3.5	680	91	1.0
IRZ-39	Upper	Injection	Feb-26	17,387	1.8	528	79	0.55
IRZ-39	Upper	Injection	Mar-26	11,862	2.0	346	47	0.57
IRZ-39	Upper	Injection	Apr-26	8,228	1.8	225	31	0.6
IRZ-39	Upper	Injection	May-26	21,511	1.7	283	38	1.3
IRZ-39	Upper	Injection	Jun-26	46,035	5.2	576	80	1.3
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-9	Upper	Extraction	Jan-26	—	—	—	—	—
IRZ-9	Upper	Extraction	Feb-26	—	—	—	—	—
IRZ-9	Upper	Extraction	Mar-26	3,513	—	3.4	0.46	17.2
IRZ-9	Upper	Extraction	Apr-26	—	—	—	—	—
IRZ-9	Upper	Extraction	May-26	2,252	—	3.2	0.43	11.9
IRZ-9	Upper	Extraction	Jun-26	—	—	—	—	—
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-13D	Lower	Extraction	Jan-26	—	—	—	—	—
IRZ-13D	Lower	Extraction	Feb-26	307,656	—	436	65	11.8
IRZ-13D	Lower	Extraction	Mar-26	178,760	—	281	38	10.6
IRZ-13D	Lower	Extraction	Apr-26	267,676	—	436	60	10.2
IRZ-13D	Lower	Extraction	May-26	156,680	—	274	37	9.5
IRZ-13D	Lower	Extraction	Jun-26	32,920	—	67	9.3	8.2
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-13S	Upper	Extraction	Jan-26	—	—	—	—	—
IRZ-13S	Upper	Extraction	Feb-26	—	—	—	—	—
IRZ-13S	Upper	Extraction	Mar-26	2,158	—	3.5	0.47	10.3
IRZ-13S	Upper	Extraction	Apr-26	—	—	—	—	—
IRZ-13S	Upper	Extraction	May-26	1,885	—	3.3	0.44	9.7
IRZ-13S	Upper	Extraction	Jun-26	—	—	—	—	—
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
IRZ-23	Lower	Extraction	Jan-26	2,413,918	—	741	100	54.3
IRZ-23	Lower	Extraction	Feb-26	2,158,258	—	672	100	53.5
IRZ-23	Lower	Extraction	Mar-26	2,430,180	—	629	85	64.4
IRZ-23	Lower	Extraction	Apr-26	2,708,875	—	720	100	62.7
IRZ-23	Lower	Extraction	May-26	2,766,367	—	740	99	62.3
IRZ-23	Lower	Extraction	Jun-26	2,508,758	—	701	97	59.6
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
PTI-1D	Lower	Extraction	Jan-26	2,529	—	2.0	0.27	21.1
PTI-1D	Lower	Extraction	Feb-26	3,115	—	2.0	0.30	26.0
PTI-1D	Lower	Extraction	Mar-26	5,605	—	3.5	0.47	26.7
PTI-1D	Lower	Extraction	Apr-26	4,844	—	3.2	0.44	25.5
PTI-1D	Lower	Extraction	May-26	5,215	—	3.3	0.44	26.7
PTI-1D	Lower	Extraction	Jun-26	2,822	—	1.8	0.24	26.9

Table 3.1
Summary of NTH IRZ Well Operations
Second Quarter 2026 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Note:

1. Results collected during the reporting period are bolded.

Acronyms and Abbreviations:

– = not applicable

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
Second Quarter 2026 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Date	Approximate IRZ Systemwide Downtime (days)	Operations and Maintenance Log	Notes
4/1/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-29, IRZ-31, IRZ-33, IRZ-37, and IRZ-39.	–
4/2/2026	–	Manual ethanol dosing occurred at IRZ-39.	–
4/3/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-29, IRZ-31, IRZ-33, IRZ-37, and IRZ-39.	–
4/3/2026	–	Collected manual water level readings at IRZ injection wells IRZ-16 (upper) and IRZ-31.	Collected readings to confirm transducer readings. Offset adjustment at IRZ-16 (upper).
4/3/2026	–	Packer line repairs at IRZ-16 and IRZ-17.	While collecting manual water level readings, the technician noticed reduced packer pressure at IRZ-16 despite filling the packers earlier in the week. A small leak was identified in the packer line above the well seal at IRZ-16. A small leak was also identified at IRZ-17. Both packers were reinflated.
4/6/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-29, IRZ-31, IRZ-33, IRZ-37, and IRZ-39.	–
4/6/2026	–	Packer repair at IRZ-17.	Downhole packer leak at IRZ-17 identified through low pressure despite the packer having been reinflated on 4/3/2026. Packer reinflated following repair.
4/7/2026	–	Ethanol dosing occurred.	–
4/7/2026 through 4/9/2026	–	Reinjected conditioned water into injection wells.	–
4/7/2026 through 4/28/2026	–	IRZ-20 offline for well rehabilitation.	–
4/8/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-29, IRZ-31, IRZ-33, IRZ-37, and IRZ-39.	–
4/9/2026	–	Collected manual water level readings at IRZ injection wells IRZ-16 (upper) and IRZ-33 (upper).	Collected readings to confirm transducer readings. Offset adjustment at IRZ-16 (upper).
4/10/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-29, IRZ-31, IRZ-33, IRZ-37, and IRZ-39.	–
4/10/2026	–	IRZ-13D cycled on.	Provide hydraulic control of the deep lobe of the Cr6 plume to the north.
4/13/2026 through 4/16/2026	–	Reinjected conditioned water into injection wells.	–
4/13/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-29, IRZ-31, IRZ-33, IRZ-37, and IRZ-39.	–
4/14/2026	–	Manual ethanol dosing occurred at IRZ-39.	–
4/15/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-29, IRZ-31, IRZ-33, IRZ-37, and IRZ-39.	–
4/16/2026	–	Manual ethanol dosing occurred at IRZ-39.	–
4/17/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-29, IRZ-31, IRZ-33, IRZ-37, and IRZ-39.	–
4/20/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-29, IRZ-31, IRZ-33, IRZ-37, and IRZ-39.	–
4/21/2026	–	Ethanol dosing occurred.	–
4/22/2026 through 4/23/2026	–	Reinjected conditioned water into injection wells.	–
4/22/2026 through 4/23/2026	–	IRZ-13D cycled off for approximately 1 day.	Maintain target flowrate at IRZ-23 during conditioned water reinjections.
4/22/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-29, IRZ-31, IRZ-33, IRZ-37, and IRZ-39.	–
4/22/2026 through 4/23/2026	–	IRZ-37 offline for approximately 1 day.	Cracked union leaking water into well vault. Repair occurred on 4/23/2026.
4/24/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-29, IRZ-31, IRZ-33, IRZ-37, and IRZ-39.	–
4/24/2026	–	Collected manual water level readings at IRZ injection wells IRZ-31 (lower) and IRZ-37.	Collected readings to confirm transducer readings. Offset adjustment at IRZ-31 (lower).
4/27/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-29, IRZ-31, IRZ-33, IRZ-37, and IRZ-39.	–
4/27/2026 through 4/28/2026	–	Reinjected conditioned water into injection wells.	–
4/28/2026	–	Manual ethanol dosing occurred at IRZ-39.	–
4/29/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-29, IRZ-31, IRZ-33, IRZ-37, and IRZ-39.	–
4/30/2026	–	Manual ethanol dosing occurred at IRZ-39.	–
5/1/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-29, IRZ-31, IRZ-33, IRZ-37, and IRZ-39.	–
5/4/2026 through 5/13/2026	–	IRZ-37 offline for well rehabilitation.	–
5/5/2026	–	Ethanol dosing occurred.	–
5/5/2026 through 5/7/2026	–	Reinjected conditioned water into injection wells.	–
5/6/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-29, IRZ-31, IRZ-33, and IRZ-39.	–
5/6/2026	–	IRZ-27 brought online after well rehabilitation.	–
5/6/2026	–	Collected manual water level readings at IRZ injection well IRZ-27.	Collected readings to confirm transducer readings.
5/6/2026 through 5/8/2026	–	IRZ-39 offline for approximately 2 days.	When system came back online following brief system downtime on 5/6/2026, IRZ-39 was mistakenly not brought back online.
5/7/2026	–	Collected manual water level readings at IRZ injection well IRZ-18.	Collected readings to confirm transducer readings.
5/8/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-29, IRZ-31, IRZ-33, and IRZ-39.	–
5/9/2026 through 5/19/2026	–	IRZ-39 offline for well rehabilitation.	–
5/11/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-29, IRZ-31, and IRZ-33.	–
5/11/2026 through 5/13/2026	–	Reinjected conditioned water into injection wells.	–
5/12/2026	–	Ethanol dosing occurred at IRZ-27.	–
5/12/2026	–	IRZ-13D cycled off.	Provide hydraulic control of the Cr6 plume in the central floodplain by increasing extraction from IRZ-23.
5/13/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-29, IRZ-31, and IRZ-33.	–
5/13/2026 through 5/14/2026	–	IRZ-37 offline for approximately 1 day following well rehabilitation.	Rehabilitation at IRZ-37 finished too late in the afternoon to bring the well online the same day. Operation and maintenance team waited until after IRZ-27 dosing on 5/14/2026 to bring well online.
5/14/2026	–	Ethanol dosing occurred at IRZ-27.	–
5/15/2026 through 5/20/2026	–	IRZ-15 offline for approximately 5 days preceding well rehabilitation.	Well casing sample taken on 5/20/2026 at IRZ-15 requires at least 12 hours of well downtime. Well rehabilitation scheduled to begin on Monday, 5/18/2026. Therefore, well taken offline on Friday of the preceding typical work week. Well rehabilitation began 2 days after scheduled, on Wednesday, 5/20/2026.
5/15/2026	–	Collected manual water level readings at IRZ injection well IRZ-20 (upper).	Collected reading to confirm transducer reading.
5/15/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-29, IRZ-31, IRZ-33, and IRZ-37.	–
5/18/2026 through 5/19/2026	–	IRZ-20 offline for approximately 1 day preceding sampling.	Well casing sample taken on 5/19/2026 at IRZ-20 requires at least 12 hours of well downtime.
5/18/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-29, IRZ-31, IRZ-33, and IRZ-37.	–
5/18/2026 through 5/20/2026	–	Reinjected conditioned water into injection wells.	–
5/19/2026	–	Ethanol dosing occurred.	–
5/19/2026 through 5/21/2026	–	IRZ-39 offline for approximately 2 days following well rehabilitation.	Pipe repair required following rehabilitation. Pipe was repaired on 5/21/2026.
5/20/2026 through 6/18/2026	–	IRZ-15 offline for well rehabilitation.	–
5/22/2026	–	Reinjected conditioned water into injection wells.	–
5/22/2026	–	Backwashed IRZ injection wells IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-29, IRZ-31, IRZ-33, IRZ-37, and IRZ-39.	–
5/26/2026	–	Backwashed IRZ injection wells IRZ-27 and IRZ-39.	–
5/26/2026	–	Ethanol dosing occurred at IRZ-27. Manual ethanol dosing occurred at IRZ-39.	–
5/27/2026 through 5/29/2026	–	Reinjected conditioned water into injection wells.	–
5/27/2026	–	Backwashed IRZ injection wells IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-29, IRZ-31, IRZ-33, IRZ-37, and IRZ-39.	–

Table 3.2
NTH IRZ System Operations and Non-Routine Maintenance Log
Second Quarter 2026 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Date	Approximate IRZ Systemwide Downtime (days)	Operations and Maintenance Log	Notes
5/28/2026	–	Recalibrated TCS tank pH probes,	pH probe at influent tank #2 stopped producing readings on 5/9/2026, Manual readings taken during the period of time the probe was not functional.
5/28/2026	–	Ethanol dosing occurred at IRZ-27, Manual ethanol dosing occurred at IRZ-39,	–
5/28/2026	–	Collected manual water level reading at IRZ injection well IRZ-27 (upper),	Collected reading to confirm transducer reading.
5/28/2026 through 5/30/2026	–	IRZ-33 offline for approximately 2 days preceding rehabilitation,	Well casing sample taken on 5/29/2026 at IRZ-33 requires at least 12 hours of well downtime. Collection of water sample at well had to occur during the typical work week.
5/29/2026	–	Backwashed IRZ injection wells IRZ-27 and IRZ-39,	–
5/31/2026 through 6/25/2026	–	IRZ-33 offline for well rehabilitation,	–
6/1/2026	–	Backwashed IRZ injection wells IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-29, IRZ-31, and IRZ-39,	IRZ-37 not backwashed, Controls for the backwash line were not accessible, due to the stuck vault lid.
6/2/2026 through 6/3/2026	–	Reinjected conditioned water into injection wells,	–
6/2/2026	–	Ethanol dosing occurred,	–
6/3/2026	–	Backwashed IRZ injection wells IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-29, IRZ-31, IRZ-37, and IRZ-39,	–
6/5/2026	–	Backwashed IRZ injection wells IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-29, IRZ-31, IRZ-37, and IRZ-39,	–
6/9/2026	–	Backwashed IRZ injection wells IRZ-27 and IRZ-39,	–
6/9/2026	–	Ethanol dosing occurred at IRZ-27, Manual ethanol dosing occurred at IRZ-39,	–
6/10/2026	–	Backwashed IRZ injection wells IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-29, IRZ-31, IRZ-37, and IRZ-39,	–
6/11/2026	–	Collected manual water level readings at IRZ injection wells IRZ-17 (upper) and IRZ-18 (upper),	Collected readings to confirm transducer readings,
6/11/2026	–	Ethanol dosing occurred at IRZ-27, Manual ethanol dosing occurred at IRZ-39,	–
6/12/2026	–	Backwashed IRZ injection wells IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-29, IRZ-31, IRZ-37, and IRZ-39,	–
6/13/2026 through 6/14/2026	0,6	IRZ system offline,	Rain infiltration at well vaults.
6/14/2026 through 6/17/2026	–	IRZ-31 and IRZ-37 offline for approximately 3 days,	Node 2 malfunctioning following rain infiltration event on 6/13/2026, Node 2 remained offline when the system came back online on 6/14/2026.
6/15/2026	0,1	IRZ system offline,	Troubleshooting Node 2 malfunction.
6/14/2026 through 6/18/2026	–	IRZ-29 (upper) offline for approximately 3 days, and IRZ-29 (lower) offline for approximately 4 days,	A gasket failed on the well vault surge protector at IRZ-29 during rain event on 6/13/2026, The rain event also caused the flow control valve at IRZ-29 (lower) to malfunction, While trying to troubleshoot Node 2 communications issues at IRZ-29 on 6/15/2026, the well vault surge protector stopped functioning, Repair of the surge protector occurred on 6/17/2026, Flow control valve repair occurred on 6/18/2026.
6/15/2026 through 6/16/2026	–	Reinjected conditioned water into injection wells,	–
6/16/2026	–	Ethanol dosing occurred,	–
6/18/2026	–	IRZ-13D cycled on,	Provide hydraulic control of the deep lobe of the Cr6 plume to the north,
6/18/2026 through 6/23/2026	–	IRZ-15 (lower) offline for approximately 5 days,	IRZ-15 (lower) transducer malfunctioning, Replacement occurred on 6/23/2026,
6/19/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-29, IRZ-31, IRZ-37, and IRZ-39,	–
6/19/2026 through 6/20/2026	–	Reinjected conditioned water into injection wells,	–
6/19/2026 through 6/20/2026	–	IRZ-13D cycled off for approximately 1 day,	Maintain target flowrate at IRZ-23 during conditioned water reinjections,
6/19/2026 through 6/22/2026	–	IRZ-39 offline for approximately 3 days,	IRZ-39 was mistakenly taken offline during flow balancing,
6/19/2026 through 6/26/2026	–	IRZ-31 (lower) offline for approximately 7 days,	Cracked unions on IRZ-31 (lower) piping, Repair occurred on 6/25/2026, Waited for glue to dry prior to bringing the well online,
6/21/2026 through 6/23/2026	–	IRZ-29 offline for approximately 2 days,	Injection malfunctioning due to dirty wire and loose jumper stop valve, Dirty wire cleaned and loose jumper stop valve secured on 6/23/2026,
6/22/2026	–	Backwashed IRZ injection wells IRZ-15 (upper), IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-31 (upper), IRZ-37, and IRZ-39,	–
6/22/2026	–	IRZ-13D cycled off,	Provide hydraulic control of the Cr6 plume in the central floodplain by increasing extraction from IRZ-23,
6/22/2026 through 6/25/2026	–	Reinjected conditioned water into injection wells,	–
6/23/2026	–	Manual ethanol dosing occurred at IRZ-39,	–
6/23/2026	–	Transducer replaced at IRZ-15 (lower),	Transducer producing inaccurate water level data,
6/23/2026	–	Collected manual water level readings at IRZ injection wells IRZ-27 (upper) and IRZ-39,	Collected readings to confirm transducer readings, Offset adjustment at IRZ-27 (upper),
6/23/2026 through 6/24/2026	–	IRZ-27 (upper) offline for approximately 1 day,	Pump motor malfunctioning, Troubleshooting occurred on 6/24/2026,
6/24/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-18, IRZ-20, IRZ-27, IRZ-29, IRZ-31 (upper), IRZ-37, and IRZ-39,	–
6/24/2026 through 7/1/2026	–	IRZ-20 offline for approximately 7 days,	Cracked union on the backwash line at IRZ-20 (upper) released some water into the vault, Well cycled offline until union repair on 6/30/2026, Waited for glue to dry prior to bringing the well online on 7/1/2026,
6/25/2026 through 7/8/2026	–	IRZ-18 offline for approximately 13 days,	Rehabilitation water samples require at least 12 hours of downtime prior to sampling, which occurred on 6/26/2026, Well remained offline until rehabilitation began,
6/25/2026	–	Manual ethanol dosing occurred at IRZ-39,	–
6/26/2026	–	Backwashed IRZ injection wells IRZ-15, IRZ-16, IRZ-17, IRZ-27, IRZ-29, IRZ-31, IRZ-37, and IRZ-39,	–
6/26/2026 through 6/29/2026	–	IRZ-33 offline for approximately 3 days following rehabilitation,	Rehabilitation completed too close to the team's demobilization from site for the weekend, Well came online the following week,
6/26/2026 through 6/29/2026	–	IRZ-27 (lower) offline for approximately 3 days,	Lock-out tag-out for rehabilitation at IRZ-25 shut down injection at IRZ-27 (lower), Injection flowrates were corrected on 6/29/2026,
6/26/2026 through 7/7/2026	–	IRZ-25 offline for well redevelopment,	Preparing to bring IRZ-25 online for first time since system began operation,
6/29/2026	–	Backwashed IRZ injection well IRZ-39,	–
6/30/2026	–	Ethanol dosing occurred,	–

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
Cr6 = hexavalent chromium
IRZ = In Situ Reactive Zone
NTH = National Trails Highway
TCS = Topock Compressor Station

Table 3.3

Second Quarter 2026 Water Quality Field Parameters

Second Quarter 2026 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	05/20/2026	nm	7.31	7,558	0.18	1.09	29.5	nm	nm	36.3
IRZ-13D-210	05/20/2026	nm	7.29	10,488	0.33	1.00	28.3	nm	nm	0.4
IRZ-13S-095	05/20/2026	nm	7.06	8,789	0.47	0.74	29.9	nm	nm	30.6
IRZ-23-143	05/20/2026	nm	6.62	6,813	1.07	2.38	26.2	nm	nm	-49.5
PTI-1D	04/14/2026	nm	6.65	8,640	0.30	3.70	24.5	nm	nm	18.6
PTI-1D	05/20/2026	nm	7.26	8,977	0.25	1.33	25.6	nm	nm	12.6
PTI-1D	06/08/2026	nm	7.20	9,194	3.20	2.42	25.0	nm	nm	213.8
Monitoring Wells										
IRZ-21-065	05/20/2026	nm	7.05	7,718	0.73	1.34	29.2	nm	nm	33.8
IRZ-21-157	05/20/2026	nm	7.08	7,840	0.39	1.20	28.7	nm	nm	24.7
IRZ-25-100	05/20/2026	nm	7.06	5,883	0.54	5.25	28.6	nm	nm	-18.8
IRZ-25-166	05/20/2026	nm	6.90	7,736	0.63	1.83	29.7	nm	nm	21.2
MW-09	06/17/2026	80.44	7.21	4,693	15.00	1.22	35.7	1.99	2,483	128.2
MW-10	04/27/2026	75.62	7.35	2,198	22.00	0.52	28.8	1.12	1,420	206.8
MW-10D	04/27/2026	76.24	7.41	3,704	27.00	0.49	29.7	1.94	2,400	207.4
MW-11	04/27/2026	66.3	7.42	1,935	49.00	0.36	28.9	0.97	1,240	210.3
MW-11D	06/17/2026	66.6	7.12	9,393	9.00	2.89	37.8	4.19	4,902	167.1
MW-12	05/21/2026	28.15	7.82	10,142	15.00	4.28	25.9	5.49	8,390	138.9
MW-13	05/28/2026	30.1	7.29	3,279	10.00	0.77	29.1	1.77	1,720	57.1
MW-14	05/27/2026	115.21	7.65	4,295	11.00	3.94	29.3	2.05	2,583	131.5
MW-15	05/27/2026	185.82	7.68	2,381	4.00	4.01	27.4	1.23	1,560	83.9
MW-19	05/26/2026	46.34	7.24	2,755	10.00	0.49	31.8	1.49	1,450	65.0
MW-20-070	04/14/2026	44.5	7.18	6,231	10.00	1.24	27.4	nm	nm	168.9
MW-20-070	05/13/2026	43.99	7.31	5,297	21.00	0.44	30.1	2.83	3,440	210.0
MW-20-070	06/11/2026	43.57	7.17	5,233	8.00	0.10	31.2	2.79	3,390	227.6
MW-20-100	04/14/2026	44.31	7.01	3,303	16.00	2.51	27.1	nm	nm	165.4
MW-20-100	05/13/2026	44.4	7.26	3,413	10.00	0.18	29.4	1.77	2,210	217.9
MW-20-100	06/11/2026	43.9	7.10	3,820	10.00	0.06	31.5	2.00	2,480	231.2
MW-20-130	04/14/2026	44.6	7.13	10,251	15.00	1.64	24.0	nm	nm	152.1
MW-20-130	05/13/2026	44.71	7.17	10,678	15.00	0.18	29.5	6.01	6,940	212.8
MW-20-130	06/11/2026	43.91	7.00	11,133	11.00	0.07	30.4	6.26	7,220	231.3

Table 3.3

Second Quarter 2026 Water Quality Field Parameters

Second Quarter 2026 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-21	04/14/2026	50.72	7.02	14,313	12.00	0.81	27.1	nm	nm	131.5
MW-21	05/12/2026	50.02	7.23	13,593	32.00	0.13	36.6	7.71	8,830	173.5
MW-21	06/11/2026	48.84	7.11	14,220	32.00	0.04	32.1	8.16	9,240	193.9
MW-22	06/16/2026	3.9	6.65	11,903	8.00	0.02	32.3	16.63	17,740	165.7
MW-23-060	05/28/2026	50.87	7.79	3,360	10.00	1.09	31.6	1.45	1,150	75.0
MW-23-080	05/28/2026	50.49	8.01	2,887	10.00	0.92	31.8	2.63	2,320	37.8
MW-24A	05/27/2026	111.41	7.50	2,662	16.00	2.54	26.3	1.33	1,872	128.5
MW-24B	05/27/2026	109.6	7.54	12,495	12.00	3.73	26.3	7.00	7,962	139.1
MW-24BR	05/28/2026	108.22	8.29	14,644	4.00	0.44	30.9	8.42	9,500	-108.1
MW-25	05/28/2026	88.94	7.18	2,509	10.00	1.76	30.2	1.36	1,300	64.6
MW-26	04/16/2026	46.71	6.70	8,973	15.00	1.26	26.5	nm	nm	152.4
MW-26	05/14/2026	46.53	7.78	8,890	10.00	0.38	32.0	4.76	4,320	57.0
MW-26	06/10/2026	46	7.05	11,553	14.00	1.52	31.8	6.73	6,641	101.9
MW-27-020	04/28/2026	4.67	7.20	1,238	6.00	0.07	20.1	0.62	800	215.5
MW-27-060	04/28/2026	5.7	7.23	4,554	4.00	0.12	21.2	2.43	2,950	187.4
MW-27-085	04/28/2026	5.45	7.28	11,682	7.00	0.10	22.2	6.67	7,590	203.3
MW-28-025	04/28/2026	10.9	7.35	1,593	9.00	0.11	22.5	0.80	1,030	200.1
MW-28-090	04/28/2026	11.82	7.23	6,997	24.00	0.13	21.6	3.86	4,560	193.0
MW-29	04/28/2026	29.45	7.34	8,303	9.00	0.46	25.8	4.45	5,390	-17.4
MW-30-030R	05/12/2026	13.54	8.12	1,897	10.00	0.79	37.6	1.14	1,120	10.0
MW-30-050	05/12/2026	10.79	7.25	5,558	25.00	0.15	28.2	2.97	3,600	199.8
MW-31-060	04/14/2026	39.2	7.23	8,791	18.00	0.80	24.5	nm	nm	170.1
MW-31-060	05/12/2026	38.8	7.47	8,185	10.00	0.17	31.0	4.50	5,320	197.5
MW-31-060	06/09/2026	38.3	7.30	7,801	10.00	0.05	30.7	4.27	5,060	228.1
MW-31-135	04/14/2026	39.82	7.08	10,245	16.00	4.31	25.3	nm	nm	160.9
MW-31-135	05/12/2026	39.49	7.39	9,101	18.00	0.19	30.0	5.06	5,920	207.4
MW-31-135	06/09/2026	39.06	7.25	9,214	17.00	0.05	30.6	5.11	5,980	230.8
MW-32-020	06/16/2026	6	6.72	28,751	8.00	0.02	31.5	15.15	16,540	111.9
MW-32-035	06/16/2026	6.36	6.82	13,731	13.00	0.02	27.3	7.49	8,460	52.2
MW-33-040	05/28/2026	31.62	7.82	9,573	9.00	0.49	28.6	5.28	6,220	73.5
MW-33-090	05/28/2026	31.6	7.25	8,802	5.00	0.41	28.6	4.82	5,720	72.2
MW-33-150	05/28/2026	32.12	7.57	14,833	5.00	0.66	28.8	8.51	9,640	82.8

Table 3.3

Second Quarter 2026 Water Quality Field Parameters

Second Quarter 2026 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-33-210	05/28/2026	31.35	7.52	9,248	7.00	0.46	29.7	5.09	6,010	70.2
MW-34-055	04/16/2026	5.1	7.33	2,228	4.00	0.17	21.2	1.14	1,440	220.0
MW-34-055	06/09/2026	4.04	7.21	2,606	5.00	0.06	23.8	1.35	1,690	222.6
MW-34-080	04/16/2026	5.3	7.32	8,889	5.00	0.01	21.0	4.98	5,780	211.3
MW-34-100	04/16/2026	5.38	7.41	9,627	6.00	0.31	21.1	5.42	6,260	213.7
MW-34-100	05/13/2026	5.2	7.29	9,736	4.00	0.06	22.9	5.50	6,340	202.0
MW-34-100	06/09/2026	4.41	7.13	11,073	4.00	0.07	21.2	6.31	7,200	215.3
MW-35-060	06/16/2026	26.22	7.14	7,494	15.00	3.52	28.6	3.87	4,585	102.2
MW-35-135	06/16/2026	25.63	7.26	15,215	14.00	1.19	29.7	7.89	8,925	105.4
MW-36-020	05/13/2026	16.24	7.72	1,330	10.00	1.06	24.3	0.70	690	-10.9
MW-36-040	05/13/2026	16.12	7.63	1,884	10.00	0.55	23.0	0.89	860	-44.7
MW-36-050	05/13/2026	16.03	7.57	2,450	10.00	1.09	23.2	0.78	760	17.9
MW-36-070	05/13/2026	16.04	7.39	2,604	10.00	0.41	23.0	1.52	1,470	-32.2
MW-36-090	05/13/2026	16.27	7.43	7,485	10.00	0.47	23.1	0.36	370	-92.2
MW-36-100	04/15/2026	14.03	7.22	7,775	12.00	1.07	22.4	nm	nm	131.8
MW-36-100	05/13/2026	14.24	7.83	8,727	10.00	1.07	23.4	4.84	4,330	-46.6
MW-36-100	06/09/2026	13.2	7.32	14,233	18.00	2.01	40.5	5.91	7,053	90.7
MW-37D	06/18/2026	30.77	7.87	9,018	8.00	1.72	31.7	4.96	5,860	64.1
MW-37S	06/18/2026	30.68	7.57	6,614	9.00	1.81	31.6	3.63	4,260	81.9
MW-38D	06/18/2026	70.7	8.91	15,703	11.00	3.82	32.4	7.97	9,003	115.5
MW-38S	06/18/2026	69.62	7.75	2,645	16.00	5.61	31.5	1.22	1,550	52.0
MW-39-040	05/12/2026	14.59	7.41	1,079	10.00	0.98	24.7	0.53	530	-38.7
MW-39-050	05/12/2026	15.63	7.07	4,408	10.00	0.90	26.6	2.48	2,250	50.9
MW-39-060	05/12/2026	14.53	7.03	3,489	10.00	2.80	24.6	2.39	2,470	184.0
MW-39-070	04/15/2026	12.63	7.01	6,413	10.00	0.71	21.5	nm	nm	162.1
MW-39-070	05/12/2026	12.74	7.03	5,441	9.00	0.98	23.6	1.92	1,820	34.9
MW-39-070	06/09/2026	11.93	6.96	7,718	13.00	1.01	25.5	4.02	4,753	103.6
MW-39-080	04/15/2026	12.5	7.22	9,128	17.00	0.96	21.3	nm	nm	178.4
MW-39-080	05/12/2026	12.34	7.30	9,612	10.00	0.98	24.7	5.38	4,800	68.5
MW-39-080	06/09/2026	11.9	6.83	10,855	16.00	1.23	24.5	6.23	7,155	101.7
MW-39-100	04/15/2026	12.6	7.27	16,043	16.00	0.87	20.5	nm	nm	130.6
MW-39-100	05/12/2026	12.49	7.57	18,360	10.00	0.82	25.3	11.58	9,740	47.5

Table 3.3

Second Quarter 2026 Water Quality Field Parameters

Second Quarter 2026 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-39-100	06/09/2026	11.8	7.02	15,731	18.00	1.25	24.3	9.37	10,450	95.1
MW-40D	06/10/2026	111.02	7.32	14,201	7.00	1.02	30.1	8.16	9,230	56.3
MW-40S	06/10/2026	110.37	7.64	2,511	8.00	1.54	29.8	1.29	1,630	71.2
MW-41D	06/16/2026	23.9	7.23	14,304	28.00	0.04	42.2	8.11	9,310	232.4
MW-41M	06/16/2026	24.19	7.48	12,598	23.00	0.04	46.0	7.04	8,210	227.9
MW-41S	06/16/2026	23.98	7.56	6,936	19.00	0.04	44.5	3.69	4,500	224.2
MW-42-030	06/15/2026	7.67	8.03	1,471	15.00	0.56	26.4	0.71	935	109.9
MW-42-055	06/15/2026	7.67	7.53	5,144	13.00	0.97	25.3	2.71	3,282	109.9
MW-42-065	06/15/2026	7.17	7.29	12,890	12.00	3.22	27.4	7.04	8,002	113.4
MW-43-025	04/14/2026	6.46	7.26	2,876	26.00	0.16	22.3	1.50	1,860	165.5
MW-43-025	06/10/2026	6.11	7.21	2,828	14.00	0.04	23.2	1.47	1,830	152.7
MW-43-075	06/10/2026	6.31	7.24	13,656	9.00	0.05	23.9	7.88	8,870	185.1
MW-43-090	06/10/2026	6.52	7.14	17,783	8.00	0.04	22.8	10.53	11,580	196.6
MW-44-070	05/14/2026	15.71	7.26	6,158	4.00	0.08	25.1	3.35	4,000	188.4
MW-44-115	04/13/2026	16.73	7.64	14,779	6.00	0.14	26.0	8.58	9,610	214.8
MW-44-115	05/14/2026	16.06	7.43	14,735	7.00	0.10	27.5	8.53	9,580	210.5
MW-44-115	06/09/2026	15.62	7.35	13,177	8.00	0.07	28.2	7.55	8,570	228.2
MW-44-125	04/13/2026	16.72	7.39	10,039	7.00	0.11	24.9	5.87	6,740	196.8
MW-44-125	05/14/2026	16	7.37	10,180	5.00	0.08	28.0	5.72	6,620	188.8
MW-44-125	06/09/2026	15.39	7.25	10,024	9.00	0.05	28.7	5.62	6,520	196.8
MW-45-095A	04/28/2026	12.66	7.36	8,623	2.00	0.13	23.4	4.81	5,600	205.1
MW-46-175	04/14/2026	27.21	7.64	18,097	10.00	0.28	24.2	10.70	11,760	217.9
MW-46-175	05/14/2026	26.8	7.74	18,068	13.00	0.20	31.0	10.60	11,740	205.9
MW-46-175	06/09/2026	26.42	7.45	17,803	7.00	0.09	28.1	10.50	11,600	229.2
MW-46-205	05/20/2026	27.71	8.18	20,977	7.00	1.71	28.4	12.49	13,610	81.6
MW-47-055	05/26/2026	27.8	8.03	4,547	15.00	4.62	28.3	2.33	2,831	135.7
MW-47-115	05/26/2026	28.19	7.64	4,249	7.00	0.95	29.7	2.05	2,649	131.4
MW-48	05/21/2026	32.44	7.13	22,213	8.00	0.91	29.7	12.01	13,200	135.9
MW-49-135	04/28/2026	28.47	7.80	13,995	9.00	2.26	23.7	8.09	9,080	54.2
MW-49-275	04/28/2026	29.65	8.07	22,292	4.00	0.78	25.2	13.41	14,490	43.9
MW-49-365	04/28/2026	31.44	7.76	36,096	3.00	0.64	24.8	22.76	23,430	28.9
MW-50-095	05/26/2026	42.86	7.79	5,163	10.00	2.42	33.1	2.71	2,510	14.8

Table 3.3

Second Quarter 2026 Water Quality Field Parameters

Second Quarter 2026 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-50-200	04/30/2026	41.08	7.61	15,135	6.00	0.20	28.4	8.85	9,900	203.7
MW-51	04/16/2026	45.87	6.64	9,422	10.00	0.72	26.5	nm	nm	132.9
MW-51	05/14/2026	45.78	7.28	7,888	20.00	0.15	29.1	4.34	5,130	212.1
MW-51	06/10/2026	45.43	7.05	10,853	15.00	1.45	29.3	5.63	6,515	102.1
MW-52D	05/20/2026	9.32	6.55	4,913	6.00	0.69	32.2	2.27	2,815	118.9
MW-52M	05/20/2026	9.83	6.53	4,174	7.00	0.85	33.7	1.49	2,319	118.4
MW-52S	05/20/2026	9.76	7.41	7,916	15.00	0.55	33.1	3.72	4,472	114.3
MW-53D	05/20/2026	7.56	7.67	3,425	13.00	0.72	30.1	1.62	2,015	129.2
MW-53M	05/20/2026	12.23	7.15	3,223	9.00	2.31	25.2	1.53	2,100	126.5
MW-53S	05/20/2026	12.23	6.82	1,670	17.00	1.03	23.4	0.91	1,113	114.1
MW-54-085	06/11/2026	9.81	7.93	9,487	17.00	5.84	34.7	3.45	5,201	105.5
MW-54-140	06/11/2026	10.08	7.89	13,425	4.00	0.61	28.5	7.69	8,730	-15.2
MW-54-195	06/11/2026	10.96	8.29	19,336	5.00	0.67	28.5	11.39	12,530	-59.9
MW-55-045	05/21/2026	9.73	8.55	2,021	16.00	0.77	27.9	0.99	1,251	134.9
MW-55-120	05/21/2026	9.8	8.49	7,465	11.00	1.81	29.3	3.81	4,498	132.9
MW-56D	05/21/2026	11.29	7.41	24,621	17.00	0.86	25.9	14.65	15,730	129.3
MW-56M	05/21/2026	13.6	7.76	12,383	15.00	1.91	21.2	7.72	8,669	127.5
MW-56S	05/21/2026	12.24	7.79	5,962	10.00	1.31	22.1	3.44	4,101	125.9
MW-57-050	06/17/2026 ^a	nm	nm	nm	nm	nm	nm	nm	nm	nm
MW-57-070	06/17/2026	53.4	7.25	3,152	16.00	1.51	34.4	1.33	1,723	106.6
MW-57-185	06/17/2026	52.1	10.92	4,523	7.00	1.22	35.3	1.91	2,432	110.5
MW-58-065	05/27/2026 ^a	nm	nm	nm	nm	nm	nm	nm	nm	nm
MW-58BR	05/27/2026	67	7.37	7,657	2.00	0.07	30.0	4.20	4,980	206.3
MW-59-100	05/26/2026	82.8	7.03	7,783	13.00	3.42	32.9	3.78	4,635	132.7
MW-60-125	04/29/2026	99.85	7.40	6,705	38.00	0.31	28.6	3.65	4,360	214.0
MW-60BR-245	05/28/2026	99.52	8.16	17,204	30.00	0.13	30.7	10.05	11,180	197.3
MW-61-110	05/28/2026	88.16	7.45	15,176	25.00	0.08	28.8	8.79	9,860	187.0
MW-62-065	05/28/2026	48.1	6.90	7,171	9.00	1.04	28.9	3.87	3,540	107.4
MW-62-110	05/28/2026	nm	7.47	12,510	10.00	0.10	28.7	7.04	8,040	195.2
MW-62-190	05/28/2026	nm	7.61	16,720	8.00	0.10	28.7	9.67	10,790	51.5
MW-63-065	05/28/2026	49.87	7.18	8,511	10.00	0.95	27.3	4.67	4,210	-11.7
MW-64BR	05/26/2026	119.51	7.76	12,028	8.00	0.63	30.3	6.81	7,800	-66.5

Table 3.3

Second Quarter 2026 Water Quality Field Parameters

Second Quarter 2026 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-65-160	05/27/2026	141.05	7.26	4,206	24.00	0.11	29.3	2.22	2,730	196.1
MW-65-225	05/27/2026	140.89	7.31	14,348	14.00	0.14	29.7	8.26	9,320	204.9
MW-66-165	05/26/2026	130.46	7.47	3,970	9.00	2.65	30.3	2.07	2,570	57.7
MW-66-230	04/30/2026	131.28	7.78	18,514	9.00	1.31	29.1	10.90	12,030	108.9
MW-66BR-270	05/26/2026	128.35	8.18	2,475	11.00	0.15	30.9	1.27	1,610	-33.6
MW-67-185	05/27/2026	170.23	7.33	5,080	20.00	0.12	30.3	2.71	3,300	204.3
MW-67-225	05/27/2026	170.2	7.81	5,251	8.00	1.82	29.5	2.81	3,420	43.9
MW-67-260	05/27/2026	170.22	10.32	18,775	9.00	0.61	29.2	11.04	12,180	-35.7
MW-68-180	04/30/2026	165.94	7.38	3,007	29.00	0.19	29.7	1.55	1,950	207.8
MW-68-240	04/30/2026	166.11	7.40	15,914	7.00	0.13	30.2	9.24	10,350	205.5
MW-68BR-280	05/27/2026	164.05	8.35	21,987	4.00	0.51	30.6	13.13	14,280	-93.7
MW-69-195	05/27/2026	175.29	7.52	3,544	31.00	1.06	28.2	1.87	2,320	60.7
MW-70-105	04/28/2026	82.22	7.85	3,340	8.00	3.27	27.2	1.74	2,170	92.2
MW-70BR-225	04/29/2026	79.03	7.92	12,228	7.00	1.23	29.3	6.89	7,870	43.2
MW-70BR-287	04/29/2026	82.7	8.41	16,755	8.00	1.08	29.5	9.76	10,860	47.5
MW-71-035	04/14/2026	28.9	7.33	8,248	31.00	0.35	29.5	4.54	5,350	214.5
MW-71-035	05/12/2026	28.34	7.30	8,683	27.00	0.29	37.0	4.74	5,630	208.3
MW-71-035	06/11/2026	27.28	7.26	5,140	34.00	0.09	31.8	2.73	3,340	221.6
MW-72-080	05/28/2026	57.6	7.55	16,057	48.00	0.12	27.7	9.36	10,430	198.3
MW-72BR-200	05/28/2026	57.74	7.73	15,228	34.00	0.12	27.5	8.85	9,900	195.2
MW-73-080	05/28/2026	50.87	7.46	10,425	40.00	0.12	27.3	5.88	6,780	201.3
MW-74-240	05/27/2026	216.88	8.17	973	9.00	0.92	28.9	0.48	630	55.2
MW-75-033	06/15/2026	17.05	7.28	3,973	5.00	0.11	29.4	2.09	2,590	225.4
MW-75-117	06/15/2026	17.31	7.33	11,410	6.00	0.06	29.8	6.45	7,410	224.1
MW-75-202	06/15/2026	17.62	7.32	16,010	10.00	0.07	31.8	9.28	10,400	218.6
MW-75-267	06/15/2026	17.7	7.31	21,895	7.00	0.06	32.9	13.04	14,220	215.6
MW-75-337	06/15/2026	19.89	7.54	28,427	3.00	0.06	33.5	17.37	18,500	218.1
MW-76-039	04/13/2026	25.58	6.73	9,015	15.00	0.05	25.0	nm	nm	155.4
MW-76-039	05/11/2026	25.1	7.18	8,310	9.00	0.28	31.0	4.57	5,400	216.5
MW-76-039	06/08/2026	24.84	7.27	8,146	32.00	0.12	30.3	4.49	5,300	221.3
MW-76-156	04/13/2026	26.3	6.62	9,283	10.00	1.07	25.2	nm	nm	138.2
MW-76-156	05/11/2026	25.91	7.17	9,879	11.00	0.23	32.0	5.51	6,420	217.6

Table 3.3

Second Quarter 2026 Water Quality Field Parameters

Second Quarter 2026 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-76-156	06/08/2026	25.05	7.22	8,184	20.00	0.10	30.6	4.51	5,320	222.7
MW-76-181	04/13/2026	25.85	6.81	9,669	12.00	0.03	26.4	nm	nm	157.2
MW-76-181	05/11/2026	25.89	7.21	8,168	17.00	0.18	30.0	4.50	5,320	211.8
MW-76-181	06/08/2026	24.99	7.25	8,145	15.00	0.09	29.5	4.49	5,290	225.2
MW-76-218	04/13/2026	25.45	6.93	9,597	14.00	1.35	25.3	nm	nm	164.5
MW-76-218	05/11/2026	26.88	7.49	8,932	38.00	0.16	30.9	4.94	5,800	205.2
MW-76-218	06/08/2026	24.89	7.23	8,218	10.00	0.09	29.7	4.52	5,330	233.2
MW-77-046	05/13/2026	23.12	7.38	8,044	46.00	0.11	29.8	4.43	5,230	206.4
MW-77-102	05/13/2026	22.92	7.25	8,477	49.00	0.16	29.7	4.68	5,500	208.2
MW-77-158	05/13/2026	22.7	7.32	7,866	12.00	0.17	28.7	4.33	5,110	208.2
MW-77-187	04/15/2026	23	7.28	10,555	17.00	1.84	28.9	nm	nm	133.7
MW-77-187	05/13/2026	22.77	7.63	8,231	13.00	0.19	30.8	4.53	5,350	207.1
MW-77-187	06/09/2026	22.11	7.37	8,163	40.00	0.06	28.8	4.52	5,330	227.1
MW-78-070	04/16/2026	46.27	6.52	8,950	16.00	1.12	25.2	nm	nm	150.7
MW-78-070	05/14/2026	46.51	7.71	8,564	10.00	0.98	31.7	4.71	4,260	51.4
MW-78-070	06/10/2026	45.6	6.89	10,864	12.00	1.43	29.7	6.73	6,492	96.9
MW-78-142	04/16/2026	46.34	6.73	9,742	15.00	1.01	25.4	nm	nm	135.6
MW-78-142	05/14/2026	46.6	8.10	9,356	10.00	0.68	36.2	5.18	4,720	9.4
MW-78-142	06/10/2026	45.64	6.96	11,670	13.00	2.53	28.4	6.22	7,133	98.5
MW-79-058	04/16/2026	45.63	6.58	9,113	17.00	1.54	25.5	nm	nm	185.7
MW-79-058	05/14/2026	45.47	7.52	8,690	10.00	0.49	32.5	4.76	4,320	51.1
MW-79-058	06/10/2026	45	6.72	11,208	13.00	2.24	30.0	6.72	6,663	100.2
MW-79-102	04/16/2026	45.63	6.45	4,904	18.00	0.73	25.5	nm	nm	101.2
MW-79-102	05/14/2026	45.5	7.64	5,554	10.00	0.48	32.5	1.69	1,620	55.0
MW-79-102	06/10/2026	44.96	6.89	11,183	19.00	1.03	29.2	6.83	6,751	95.1
MW-80-057	04/16/2026	48.54	6.57	9,968	14.00	1.54	26.6	nm	nm	184.1
MW-80-057	05/14/2026	48.1	7.24	7,962	48.00	0.19	30.7	4.37	5,170	211.0
MW-80-057	06/10/2026	47.55	7.05	11,876	12.00	2.99	29.9	6.11	7,055	109.6
MW-80-082	04/16/2026	48.5	6.65	9,565	17.00	1.01	26.6	nm	nm	175.1
MW-80-082	05/14/2026	48.97	7.70	6,068	10.00	0.62	37.6	2.77	2,650	65.9
MW-80-082	06/10/2026	47.36	7.03	12,515	16.00	1.42	35.5	5.85	6,795	103.1
MW-81-043	04/15/2026	22.64	7.55	10,352	18.00	0.56	26.7	nm	nm	150.2

Table 3.3

Second Quarter 2026 Water Quality Field Parameters

Second Quarter 2026 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-81-043	05/11/2026	22.47	7.54	9,285	10.00	0.94	31.6	5.16	4,650	16.5
MW-81-043	06/10/2026	21.83	7.20	8,117	21.00	0.04	31.8	4.46	5,280	215.4
MW-81-098	04/15/2026	22.62	7.25	9,985	13.00	2.04	26.9	nm	nm	125.9
MW-81-098	05/11/2026	25.48	7.65	9,168	10.00	0.45	31.6	5.12	4,610	1.0
MW-81-098	06/10/2026	21.88	7.18	8,293	7.00	0.04	31.6	4.56	5,390	222.9
MW-82-046	06/18/2026	29	6.95	16,019	17.00	1.71	34.6	7.75	8,834	107.2
MW-82-112	06/18/2026	28.9	7.05	10,351	16.00	1.78	35.5	4.82	5,831	133.9
MW-82-168	06/18/2026	28.24	7.33	9,453	19.00	1.37	32.0	4.57	5,375	80.1
MW-82-198	06/18/2026	28	7.59	9,835	7.00	1.35	32.8	4.74	5,583	170.4
MW-83-090	06/16/2026	73.3	7.26	1,962	22.00	0.13	31.5	0.99	1,270	220.8
MW-83-180	06/16/2026	73.31	7.43	9,100	12.00	0.10	30.3	5.04	5,910	224.0
MW-83-225	06/16/2026	73.69	7.43	12,844	25.00	0.09	30.7	7.32	8,350	227.2
MW-83-245	06/16/2026	73.28	7.52	14,682	26.00	0.05	30.7	8.50	9,580	231.7
MW-84-057	05/27/2026	47.94	6.86	2,443	10.00	1.17	30.3	2.16	2,300	69.8
MW-84-095	05/27/2026	52.29	7.14	5,466	10.00	1.04	32.7	2.85	2,670	62.0
MW-84-132	05/27/2026	48.24	6.77	7,815	9.00	1.17	29.4	4.27	3,880	86.0
MW-84-193	05/27/2026	47.89	7.29	10,820	10.00	0.48	32.4	6.00	5,300	41.4
MW-85-129	05/26/2026	114.17	7.26	2,214	11.00	0.18	30.0	1.12	1,430	207.2
MW-85-217	05/26/2026	113.71	7.44	9,327	21.00	0.15	30.9	5.18	6,060	203.2
MW-85-237	05/26/2026	114	7.46	13,407	23.00	0.17	29.9	7.69	8,730	200.4
MW-86-030	04/29/2026	11.28	7.25	1,740	13.00	0.29	22.0	0.88	1,130	185.6
MW-86-066	04/29/2026	12.2	7.21	8,655	10.00	0.11	22.6	4.86	5,650	211.2
MW-86-120	05/28/2026	12.78	7.36	11,076	6.00	0.06	23.0	6.30	7,200	182.5
MW-86-140	04/29/2026	13.21	7.33	15,359	5.00	0.13	23.4	8.98	10,000	212.8
MW-87-109	06/17/2026	90.8	7.61	3,106	9.00	1.41	30.6	1.60	2,010	60.9
MW-87-139	06/17/2026	90.76	7.56	7,144	15.00	1.84	30.7	3.86	4,620	84.8
MW-87-192	06/17/2026	91.16	7.72	8,848	8.00	1.21	30.6	4.86	5,730	70.5
MW-87-275	06/17/2026	91.2	7.54	10,918	8.00	1.37	30.7	6.12	7,080	73.7
MW-88-107	06/17/2026	90.44	7.38	4,341	17.00	3.55	31.1	2.02	2,530	180.6
MW-89-183	06/10/2026	131.68	7.32	6,985	21.00	0.03	30.3	3.80	4,530	210.1
MW-89-273	06/10/2026	131.73	7.47	7,251	13.00	0.05	30.5	3.96	4,710	211.0
MW-90-031	06/16/2026	4.1	6.94	19,281	19.00	0.02	27.8	10.77	11,850	172.2

Table 3.3

Second Quarter 2026 Water Quality Field Parameters

Second Quarter 2026 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-91-045	06/11/2026	9.42	7.45	3,474	16.00	0.83	27.7	1.76	2,157	101.9
MW-91-120	06/11/2026	9.6	7.19	13,203	19.00	1.02	27.3	7.26	8,225	101.4
MW-91-170	06/11/2026	9.5	7.76	14,945	19.00	1.34	25.9	8.52	9,445	93.9
MW-91-320	06/11/2026	11.8	7.03	23,014	12.00	2.89	26.8	13.32	14,420	83.9
MW-92-037	06/11/2026	5.7	8.29	1,796	4.00	0.36	27.6	0.90	1,160	-44.6
MW-92-072	06/11/2026	5.62	8.29	2,389	5.00	0.24	27.9	1.22	1,540	23.2
MW-92-102	06/11/2026	6.05	8.24	3,224	5.00	0.44	27.8	1.67	2,090	32.7
MW-92-122	06/11/2026	6.42	7.65	11,394	7.00	0.35	28.6	6.44	7,390	-7.4
MW-93-050	06/18/2026	30.88	7.30	3,568	42.00	2.24	28.9	1.86	2,310	220.3
MW-93-213	06/18/2026	30.71	7.34	10,444	11.00	0.37	29.8	5.86	6,760	224.3
MW-95-113	06/17/2026	97.68	7.61	1,537	15.00	1.31	30.5	0.77	1,010	83.5
MW-95-157	06/17/2026	97.41	7.56	5,852	9.00	2.15	30.7	3.14	3,810	75.6
MW-96-045	05/21/2026	28.15	7.56	9,372	9.00	1.29	28.8	5.18	6,070	36.2
MW-96-217	05/21/2026	28.91	7.34	19,973	8.00	1.21	28.9	11.76	12,970	41.6
MW-97-042	06/17/2026	25.98	7.91	4,533	11.00	3.30	29.5	2.20	2,732	63.7
MW-97-202	06/17/2026	26.76	6.48	22,097	15.00	2.78	30.7	11.71	12,950	131.9
MW-98-055	05/28/2026	46.45	7.84	3,943	15.00	1.07	28.2	2.08	2,560	72.1
MW-98-077	05/28/2026	46.35	7.71	10,026	14.00	1.34	29.6	5.63	6,510	33.9
MW-107-041	06/16/2026	22.16	7.02	13,891	10.00	1.26	33.2	6.83	7,842	106.3
MW-107-076	06/16/2026	22.1	6.84	12,914	15.00	1.25	28.3	6.92	7,915	95.2
PGE-07BR	05/27/2026	110.61	7.63	18,321	5.00	0.05	30.5	10.77	11,910	52.8
PGE-08	04/30/2026	143.72	8.12	20,365	4.00	0.44	30.5	12.02	13,180	-56.8
PT5D	04/13/2026	18.33	7.56	10,408	5.00	0.08	24.7	5.88	6,760	214.3
PT5D	05/14/2026	17.83	7.52	10,559	3.00	0.06	28.4	5.94	6,860	215.3
PT5D	06/11/2026	20.5	7.79	12,722	14.00	1.03	30.1	6.43	7,482	114.7
PT5M	05/14/2026	17.64	7.27	7,697	5.00	0.08	27.2	4.24	5,000	213.4
PT5S	05/14/2026	17.5	7.45	1,480	6.00	0.07	25.7	0.74	960	193.8
PT6D	04/13/2026	20.68	7.47	8,613	9.00	0.08	24.2	4.80	5,600	212.8
PT6D	05/11/2026	20.52	7.83	9,519	10.00	0.68	26.1	5.32	4,710	14.7
PT6D	06/11/2026	17.8	7.99	16,810	17.00	1.23	35.4	8.04	9,114	101.1
PT8D	05/27/2026	106.57	7.04	8,052	18.00	3.73	25.4	4.75	5,518	126.9
PT9D	04/30/2026	104.1	7.66	13,816	9.00	1.18	28.9	7.93	8,970	107.3

Table 3.3

Second Quarter 2026 Water Quality Field Parameters

Second Quarter 2026 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)
PT9M	05/27/2026	104	7.25	9,225	14.00	1.73	26.9	5.32	6,122	129.5
PT9S	05/27/2026	103.69	7.12	3,150	12.00	2.92	25.6	1.65	2,019	130.5
TW-01	04/30/2026	165.2	7.61	10,636	7.00	1.06	27.8	5.99	6,920	100.5
TW-02D	04/14/2026	38.41	7.40	8,283	5.00	0.06	28.4	4.57	5,380	202.5
TW-02D	05/12/2026	37.81	7.37	8,280	8.00	0.08	29.1	4.57	5,380	205.1
TW-02D	06/11/2026	37.66	7.21	8,260	3.00	0.03	29.0	4.56	5,370	228.0
TW-02S	04/14/2026	38.71	7.37	7,862	4.00	0.24	28.4	4.33	5,110	210.5
TW-02S	05/12/2026	38.02	7.27	8,008	6.00	0.16	29.3	4.41	5,210	203.3
TW-02S	06/11/2026	37.26	7.21	8,046	4.00	0.04	29.5	4.43	5,230	214.4
TW-03D	04/14/2026	38.2	7.39	8,089	6.00	0.05	28.7	4.47	5,270	196.9
TW-03D	05/12/2026	37.53	7.31	8,138	7.00	0.08	29.2	4.49	5,290	206.7
TW-03D	06/11/2026	37.4	7.21	8,554	5.00	0.02	29.2	4.73	5,560	229.5
TW-04	06/17/2026	29.21	7.62	20,274	5.00	1.62	29.7	12.02	13,160	81.7
TW-05	05/26/2026	43.4	7.00	10,855	5.00	1.06	33.4	5.73	5,120	64.5

Note:^a Well was not sampled this reporting period because there was an insufficient volume of groundwater.**Acronyms and Abbreviations:**

µS/cm = microsiemen per centimeter

deg C = degree Celsius

ft bTOC = feet 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
Second Quarter 2026 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-09	06-17-2026	Yes	Yes	Good	—	—
MW-10	04-27-2026	Yes	Yes	Good	—	—
MW-10D	04-27-2026	Yes	Yes	Good	—	—
MW-11	04-27-2026	Yes	Yes	Good	—	—
MW-11D	06-17-2026	Yes	Yes	Good	—	—
MW-12	05-21-2026	Yes	Yes	Good	—	—
MW-13	05-28-2026	Yes	Yes	Good	—	—
MW-14	05-27-2026	Yes	Yes	Good	—	—
MW-15	05-27-2026	Yes	Yes	Good	—	—
MW-19	05-26-2026	Yes	Yes	Good	—	—
MW-20-070	04-14-2026	Yes	Yes	Good	—	—
MW-20-070	05-13-2026	Yes	Yes	Good	—	—
MW-20-070	06-11-2026	Yes	Yes	Good	—	—
MW-20-100	04-14-2026	Yes	Yes	Good	—	—
MW-20-100	05-13-2026	Yes	Yes	Good	—	—
MW-20-100	06-11-2026	Yes	Yes	Good	—	—
MW-20-130	04-14-2026	Yes	Yes	Good	—	—
MW-20-130	05-13-2026	Yes	Yes	Good	—	—
MW-20-130	06-11-2026	Yes	Yes	Good	—	—
MW-21	04-14-2026	Yes	Yes	Good	—	—
MW-21	05-12-2026	Yes	Yes	Good	—	—
MW-21	06-11-2026	Yes	Yes	Good	—	—
MW-22	06-16-2026	Yes	Yes	Good	—	—
MW-23-060	05-28-2026	Yes	Yes	Good	—	—
MW-23-080	05-28-2026	Yes	Yes	Good	—	—
MW-24A	05-27-2026	Yes	Yes	Good	—	—
MW-24B	05-27-2026	Yes	Yes	Good	—	—
MW-24BR	05-27-2026	Yes	Yes	Good	—	—
MW-25	05-28-2026	Yes	Yes	Good	—	—
MW-26	04-16-2026	Yes	Yes	Good	—	—
MW-26	05-14-2026	Yes	Yes	Good	—	—
MW-26	06-10-2026	Yes	Yes	Good	—	—
MW-27-020	04-28-2026	Yes	Yes	Good	—	—
MW-27-060	04-28-2026	Yes	Yes	Good	—	—
MW-27-085	04-28-2026	Yes	Yes	Good	—	—
MW-28-025	04-28-2026	Yes	Yes	Good	—	—
MW-28-090	04-28-2026	Yes	Yes	Good	—	—
MW-29	04-28-2026	Yes	Yes	Good	—	—
MW-30-030R	05-12-2026	Yes	Yes	Good	—	—
MW-30-050	05-12-2026	Yes	Yes	Good	—	—
MW-31-060	04-14-2026	Yes	Yes	Good	—	—
MW-31-060	05-12-2026	Yes	Yes	Good	—	—
MW-31-060	06-09-2026	Yes	Yes	Good	—	—
MW-31-135	04-14-2026	Yes	Yes	Good	—	—
MW-31-135	05-12-2026	Yes	Yes	Good	—	—
MW-31-135	06-09-2026	Yes	Yes	Good	—	—
MW-32-020	06-16-2026	Yes	Yes	Good	—	—
MW-32-035	06-16-2026	Yes	Yes	Good	—	—
MW-33-040	05-28-2026	Yes	Yes	Good	—	—
MW-33-090	05-28-2026	Yes	Yes	Good	—	—
MW-33-150	05-28-2026	Yes	Yes	Good	—	—
MW-33-210	05-28-2026	Yes	Yes	Good	—	—
MW-34-055	04-16-2026	Yes	Yes	Good	—	—
MW-34-055	06-09-2026	Yes	Yes	Good	—	—
MW-34-080	04-16-2026	Yes	Yes	Good	—	—
MW-34-100	04-16-2026	Yes	Yes	Good	—	—
MW-34-100	05-13-2026	Yes	Yes	Good	—	—
MW-34-100	06-09-2026	Yes	Yes	Good	—	—
MW-35-060	06-16-2026	Yes	Yes	Good	—	—
MW-35-135	06-16-2026	Yes	Yes	Good	—	—
MW-36-020	05-13-2026	Yes	Yes	Good	—	—
MW-36-040	05-13-2026	Yes	Yes	Good	—	—
MW-36-050	05-13-2026	Yes	Yes	Good	—	—
MW-36-070	05-13-2026	Yes	Yes	Good	—	—
MW-36-090	05-13-2026	Yes	Yes	Good	—	—
MW-36-100	04-15-2026	Yes	Yes	Good	—	—
MW-36-100	05-13-2026	Yes	Yes	Good	—	—
MW-36-100	06-09-2026	Yes	Yes	Good	—	—
MW-37D	06-18-2026	Yes	Yes	Good	—	—
MW-37S	06-18-2026	Yes	Yes	Good	—	—
MW-38D	06-18-2026	Yes	Yes	Good	—	—
MW-38S	06-18-2026	Yes	Yes	Good	—	—
MW-39-040	05-12-2026	Yes	Yes	Good	—	—
MW-39-050	05-12-2026	Yes	Yes	Good	—	—
MW-39-060	05-12-2026	Yes	Yes	Good	—	—

Table 4.1
Monitoring Well Inspection Results
Second Quarter 2026 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-39-070	04-15-2026	Yes	Yes	Good	–	–
MW-39-070	05-12-2026	Yes	Yes	Good	–	–
MW-39-070	06-09-2026	Yes	Yes	Good	–	–
MW-39-080	04-15-2026	Yes	Yes	Good	–	–
MW-39-080	05-12-2026	Yes	Yes	Good	–	–
MW-39-080	06-09-2026	Yes	Yes	Good	–	–
MW-39-100	04-15-2026	Yes	Yes	Good	–	–
MW-39-100	05-12-2026	Yes	Yes	Good	–	–
MW-39-100	06-09-2026	Yes	Yes	Good	–	–
MW-40D	06-10-2026	Yes	Yes	Good	–	–
MW-40S	06-10-2026	Yes	Yes	Good	–	–
MW-41D	06-16-2026	Yes	Yes	Good	–	–
MW-41M	06-16-2026	Yes	Yes	Good	–	–
MW-41S	06-16-2026	Yes	Yes	Good	–	–
MW-42-030	06-15-2026	Yes	Yes	Good	–	–
MW-42-055	06-15-2026	Yes	Yes	Good	–	–
MW-42-065	06-15-2026	Yes	Yes	Good	–	–
MW-43-025	04-14-2026	Yes	Yes	Good	–	–
MW-43-025	06-10-2026	Yes	Yes	Good	–	–
MW-43-075	06-10-2026	Yes	Yes	Good	–	–
MW-43-090	06-10-2026	Yes	Yes	Good	–	–
MW-44-070	05-14-2026	Yes	Yes	Good	–	–
MW-44-115	04-13-2026	Yes	Yes	Good	–	–
MW-44-115	05-14-2026	Yes	Yes	Good	–	–
MW-44-115	06-09-2026	Yes	Yes	Good	–	–
MW-44-125	04-13-2026	Yes	Yes	Good	–	–
MW-44-125	05-14-2026	Yes	Yes	Good	–	–
MW-44-125	06-09-2026	Yes	Yes	Good	–	–
MW-45-095a	04-28-2026	Yes	Yes	Good	–	–
MW-46-175	04-14-2026	Yes	Yes	Good	–	–
MW-46-175	05-14-2026	Yes	Yes	Good	–	–
MW-46-175	06-09-2026	Yes	Yes	Good	–	–
MW-46-205	05-20-2026	Yes	Yes	Good	–	–
MW-47-055	05-26-2026	Yes	Yes	Good	–	–
MW-47-115	05-26-2026	Yes	Yes	Good	–	–
MW-48	05-21-2026	Yes	Yes	Good	–	–
MW-49-135	04-28-2026	Yes	Yes	Good	–	–
MW-49-275	04-28-2026	Yes	Yes	Good	–	–
MW-49-365	04-28-2026	Yes	Yes	Good	–	–
MW-50-095	05-26-2026	Yes	Yes	Good	–	–
MW-50-200	04-30-2026	Yes	Yes	Good	–	–
MW-51	04-16-2026	Yes	Yes	Good	–	–
MW-51	05-14-2026	Yes	Yes	Good	–	–
MW-51	06-10-2026	Yes	Yes	Good	–	–
MW-52D	05-20-2026	Yes	Yes	Good	–	–
MW-52M	05-20-2026	Yes	Yes	Good	–	–
MW-52S	05-20-2026	Yes	Yes	Good	–	–
MW-53D	05-20-2026	Yes	Yes	Good	–	–
MW-53M	05-20-2026	Yes	Yes	Good	–	–
MW-53S	05-20-2026	Yes	Yes	Good	–	–
MW-54-085	06-11-2026	Yes	Yes	Good	–	–
MW-54-140	06-11-2026	Yes	Yes	Good	–	–
MW-54-195	06-11-2026	Yes	Yes	Good	–	–
MW-55-045	05-21-2026	Yes	Yes	Good	–	–
MW-55-120	05-21-2026	Yes	Yes	Good	–	–
MW-56D	05-21-2026	Yes	Yes	Good	–	–
MW-56M	05-21-2026	Yes	Yes	Good	–	–
MW-56S	05-21-2026	Yes	Yes	Good	–	–
MW-57-050	06-17-2026	Asset Dry	Yes	Good	–	–
MW-57-070	06-17-2026	Yes	Yes	Good	–	–
MW-57-185	06-17-2026	Yes	Yes	Good	–	–
MW-58-065	05-27-2026	Asset Dry	Yes	Good	–	–
MW-58BR	05-27-2026	Yes	Yes	Good	–	–
MW-59-100	05-26-2026	Yes	Yes	Good	–	–
MW-60-125	04-29-2026	Yes	Yes	Good	–	–
MW-60BR-245	05-28-2026	Yes	Yes	Good	–	–
MW-61-110	05-28-2026	Yes	Yes	Good	–	–
MW-62-065	05-28-2026	Yes	Yes	Good	–	–
MW-62-110	05-27-2026	Yes	Yes	Good	–	–
MW-62-190	05-27-2026	Yes	Yes	Good	–	–
MW-63-065	05-28-2026	Yes	Yes	Good	–	–
MW-64BR	05-26-2026	Yes	Yes	Good	–	–
MW-65-160	05-27-2026	Yes	Yes	Good	–	–
MW-65-225	05-27-2026	Yes	Yes	Good	–	–
MW-66-165	05-26-2026	Yes	Yes	Good	–	–

Table 4.1
Monitoring Well Inspection Results
Second Quarter 2026 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-66-230	04-30-2026	Yes	Yes	Good	–	–
MW-66BR-270	05-12-2026	Yes	Yes	Good	–	–
MW-67-185	05-27-2026	Yes	Yes	Good	–	–
MW-67-225	05-27-2026	Yes	Yes	Good	–	–
MW-67-260	05-27-2026	Yes	Yes	Good	–	–
MW-68-180	04-30-2026	Yes	Yes	Good	–	–
MW-68-240	04-30-2026	Yes	Yes	Good	–	–
MW-68BR-280	05-27-2026	Yes	Yes	Good	–	–
MW-69-195	05-27-2026	Yes	Yes	Good	–	–
MW-70-105	04-28-2026	Yes	Yes	Good	–	–
MW-70BR-225	04-29-2026	Yes	Yes	Good	–	–
MW-70BR-287	04-29-2026	Yes	Yes	Good	–	–
MW-71-035	04-14-2026	Yes	Yes	Good	–	–
MW-71-035	05-12-2026	Yes	Yes	Good	–	–
MW-71-035	06-11-2026	Yes	Yes	Good	–	–
MW-72-080	05-28-2026	Yes	Yes	Good	–	–
MW-72BR-200	05-28-2026	Yes	Yes	Good	–	–
MW-73-080	05-28-2026	Yes	Yes	Good	–	–
MW-74-240	05-27-2026	Yes	Yes	Good	–	–
MW-75-033	06-15-2026	Yes	Yes	Good	–	–
MW-75-117	06-15-2026	Yes	Yes	Good	–	–
MW-75-202	06-15-2026	Yes	Yes	Good	–	–
MW-75-267	06-15-2026	Yes	Yes	Good	–	–
MW-75-337	06-15-2026	Yes	Yes	Good	–	–
MW-76-039	04-13-2026	Yes	Yes	Good	–	–
MW-76-039	05-11-2026	Yes	Yes	Good	–	–
MW-76-039	06-08-2026	Yes	Yes	Good	–	–
MW-76-156	04-13-2026	Yes	Yes	Good	–	–
MW-76-156	05-11-2026	Yes	Yes	Good	–	–
MW-76-156	06-08-2026	Yes	Yes	Good	–	–
MW-76-181	04-13-2026	Yes	Yes	Good	–	–
MW-76-181	05-11-2026	Yes	Yes	Good	–	–
MW-76-181	06-08-2026	Yes	Yes	Good	–	–
MW-76-218	04-13-2026	Yes	Yes	Good	–	–
MW-76-218	05-11-2026	Yes	Yes	Good	–	–
MW-76-218	06-08-2026	Yes	Yes	Good	–	–
MW-77-046	05-13-2026	Yes	Yes	Good	–	–
MW-77-102	05-13-2026	Yes	Yes	Good	–	–
MW-77-158	05-13-2026	Yes	Yes	Good	–	–
MW-77-187	04-15-2026	Yes	Yes	Good	–	–
MW-77-187	05-13-2026	Yes	Yes	Good	–	–
MW-77-187	06-09-2026	Yes	Yes	Good	–	–
MW-78-070	04-16-2026	Yes	Yes	Good	–	–
MW-78-070	05-14-2026	Yes	Yes	Good	–	–
MW-78-070	06-10-2026	Yes	Yes	Good	–	–
MW-78-142	04-16-2026	Yes	Yes	Good	–	–
MW-78-142	05-14-2026	Yes	Yes	Good	–	–
MW-78-142	06-10-2026	Yes	Yes	Good	–	–
MW-79-058	04-16-2026	Yes	Yes	Good	–	–
MW-79-058	05-14-2026	Yes	Yes	Good	–	–
MW-79-058	06-10-2026	Yes	Yes	Good	–	–
MW-79-102	04-16-2026	Yes	Yes	Good	–	–
MW-79-102	05-14-2026	Yes	Yes	Good	–	–
MW-79-102	06-10-2026	Yes	Yes	Good	–	–
MW-80-057	04-16-2026	Yes	Yes	Good	–	–
MW-80-057	05-14-2026	Yes	Yes	Good	–	–
MW-80-057	06-10-2026	Yes	Yes	Good	–	–
MW-80-082	04-16-2026	Yes	Yes	Good	–	–
MW-80-082	05-14-2026	Yes	Yes	Good	–	–
MW-80-082	06-10-2026	Yes	Yes	Good	–	–
MW-81-043	04-15-2026	Yes	Yes	Good	–	–
MW-81-043	05-11-2026	Yes	Yes	Good	–	–
MW-81-043	06-10-2026	Yes	Yes	Good	–	–
MW-81-098	04-15-2026	Yes	Yes	Good	–	–
MW-81-098	05-11-2026	Yes	Yes	Good	–	–
MW-81-098	06-10-2026	Yes	Yes	Good	–	–
MW-82-046	06-18-2026	Yes	Yes	Good	–	–
MW-82-112	06-18-2026	Yes	Yes	Good	–	–
MW-82-168	06-18-2026	Yes	Yes	Good	–	–
MW-82-198	06-18-2026	Yes	Yes	Good	–	–
MW-83-090	06-16-2026	Yes	Yes	Good	–	–
MW-83-180	06-16-2026	Yes	Yes	Good	–	–
MW-83-225	06-16-2026	Yes	Yes	Good	–	–
MW-83-245	06-16-2026	Yes	Yes	Good	–	–
MW-84-057	05-27-2026	Yes	Yes	Good	–	–

Table 4.1
Monitoring Well Inspection Results
Second Quarter 2026 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-84-095	05-27-2026	Yes	Yes	Good	--	--
MW-84-132	05-27-2026	Yes	Yes	Good	--	--
MW-84-193	05-27-2026	Yes	Yes	Good	--	--
MW-85-129	05-26-2026	Yes	Yes	Good	--	--
MW-85-217	05-26-2026	Yes	Yes	Good	--	--
MW-85-237	05-26-2026	Yes	Yes	Good	--	--
MW-86-030	04-29-2026	Yes	Yes	Good	--	--
MW-86-066	04-29-2026	Yes	Yes	Good	--	--
MW-86-120	05-28-2026	Yes	Yes	Good	--	--
MW-86-140	04-29-2026	Yes	Yes	Good	--	--
MW-87-109	06-17-2026	Yes	Yes	Good	--	--
MW-87-139	06-17-2026	Yes	Yes	Good	--	--
MW-87-192	06-17-2026	Yes	Yes	Good	--	--
MW-87-275	06-17-2026	Yes	Yes	Good	--	--
MW-88-107	06-17-2026	Yes	Yes	Good	--	--
MW-89-183	06-10-2026	Yes	Yes	Good	--	--
MW-89-273	06-10-2026	Yes	Yes	Good	--	--
MW-90-031	06-16-2026	Yes	Yes	Poor	Well box needs to be replaced, standpipe recommended	--
MW-91-045	06-11-2026	Yes	Yes	Good	--	--
MW-91-120	06-11-2026	Yes	Yes	Good	--	--
MW-91-170	06-11-2026	Yes	Yes	Good	--	--
MW-91-320	06-11-2026	Yes	Yes	Good	--	--
MW-92-037	06-11-2026	Yes	Yes	Good	--	--
MW-92-072	06-11-2026	Yes	Yes	Good	--	--
MW-92-102	06-11-2026	Yes	Yes	Good	--	--
MW-92-122	06-11-2026	Yes	Yes	Good	--	--
MW-93-050	06-18-2026	Yes	Yes	Good	--	--
MW-93-213	06-18-2026	Yes	Yes	Good	--	--
MW-94-030	05-19-2026	Yes	Yes	Good	--	--
MW-94-100	05-19-2026	Yes	Yes	Good	--	--
MW-94-175	05-19-2026	Yes	Yes	Good	--	--
MW-95-113	06-17-2026	Yes	Yes	Good	--	--
MW-95-157	06-17-2026	Yes	Yes	Good	--	--
MW-96-045	05-21-2026	Yes	Yes	Good	--	--
MW-96-217	05-21-2026	Yes	Yes	Good	--	--
MW-97-042	06-17-2026	Yes	Yes	Good	--	--
MW-97-202	06-17-2026	Yes	Yes	Good	--	--
MW-98-055	05-28-2026	Yes	Yes	Good	--	--
MW-98-077	05-28-2026	Yes	Yes	Good	--	--
MW-107-041	06-16-2026	Yes	Yes	Good	--	--
MW-107-076	06-16-2026	Yes	Yes	Good	--	--
PGE-07BR	05-27-2026	Yes	Yes	Good	--	--
PGE-08	04-30-2026	Yes	Yes	Good	--	--
PGE-09N	05-21-2026	Yes	Yes	Good	--	--
PGE-09S	05-21-2026	Yes	Yes	Good	--	--
PT5D	04-13-2026	Yes	Yes	Good	--	--
PT5D	05-14-2026	Yes	Yes	Good	--	--
PT5D	06-11-2026	Yes	Yes	Good	--	--
PT5M	05-14-2026	Yes	Yes	Good	--	--
PT5S	05-14-2026	Yes	Yes	Good	--	--
PT6D	04-13-2026	Yes	Yes	Good	--	--
PT6D	05-11-2026	Yes	Yes	Good	--	--
PT6D	06-11-2026	Yes	Yes	Good	--	--
PT8D	05-27-2026	Yes	Yes	Good	--	--
PT9D	04-30-2026	Yes	Yes	Good	--	--
PT9M	05-27-2026	Yes	Yes	Good	--	--
PT9S	05-27-2026	Yes	Yes	Good	--	--
TW-01	04-30-2026	Yes	Yes	Good	--	--
TW-02D	04-14-2026	Yes	Yes	Good	--	--
TW-02D	05-12-2026	Yes	Yes	Good	--	--
TW-02D	06-11-2026	Yes	Yes	Good	--	--
TW-02S	04-14-2026	Yes	Yes	Good	--	--
TW-02S	05-12-2026	Yes	Yes	Good	--	--
TW-02S	06-11-2026	Yes	Yes	Good	--	--
TW-03D	04-14-2026	Yes	Yes	Good	--	--
TW-03D	05-12-2026	Yes	Yes	Good	--	--
TW-03D	06-11-2026	Yes	Yes	Good	--	--
TW-04	06-17-2026	Yes	Yes	Good	--	--
TW-05	05-26-2026	Yes	Yes	Good	--	--

Abbreviation:
-- = no comment

Table 4.2
Monitoring Well Water Levels and Specific Capacities
Second Quarter 2026 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 (ft)	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 Recovery	Planned for Redevelopment	Notes	Date of Last Redevelopment
MW-09	Alluvial	06/17/2026	89.92	86.65	3.27	77.82	87.82	80.44	80.46	0.02	300	3.96	No	No	No	No	N/A	9/25/2024
MW-10	Alluvial	04/27/2026	95.73	97.99	-2.26	75.23	95.23	75.62	75.65	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-102-441	Fluvial	06/16/2026	N/A	42.80	N/A	N/A	N/A	22.16	22.16	0.00	300	N/A	N/A	No	No	No	N/A	N/A
MW-102-476	Alluvial	06/16/2026	N/A	73.92	N/A	N/A	N/A	22.10	22.12	0.02	300	3.96	N/A	No	No	No	N/A	N/A
MW-10D	Alluvial	04/27/2026	127.7	127.41	0.29	113.20	125.20	76.24	76.26	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-11	Alluvial	04/27/2026	88.21	84.21	4.00	64.80	84.80	66.30	66.33	0.03	500	4.40	No	Yes	No	No	High turbidity. Continue to monitor for consecutive high turbidity readings.	3/19/2023
MW-11D	Alluvial	06/16/2026	134.59	133.47	1.12	112.19	132.19	66.60	66.63	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-12	Alluvial	05/21/2026	50.05	48.47	1.58	27.87	47.87	28.15	28.17	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-13	Alluvial	05/28/2026	51.92	48.20	3.72	28.42	48.42	30.10	30.10	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-14	Alluvial	05/27/2026	133.73	132.99	0.76	112.99	132.99	115.21	115.26	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-15	Alluvial	05/27/2026	200.50	200.50	4.40	185.40	202.40	185.42	185.45	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-19	Alluvial	05/26/2026	86.32	86.32	0.32	46.32	86.32	46.34	46.34	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-20-070	Alluvial	04/14/2026	69.69	68.40	1.29	49.69	69.69	44.50	44.54	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-20-070	Alluvial	05/13/2026	69.69	68.41	1.28	49.69	69.69	43.99	44.00	0.01	500	1.21	No	No	No	No	N/A	N/A
MW-20-070	Alluvial	06/11/2026	69.69	68.40	1.29	49.69	69.69	43.57	43.60	0.03	500	1.21	No	No	No	No	N/A	N/A
MW-20-100	Alluvial	04/14/2026	100.49	98.04	2.45	88.59	98.59	44.21	44.35	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-20-100	Alluvial	05/13/2026	100.49	98.08	2.41	88.59	98.59	44.44	44.44	0.00	500	3.30	No	No	No	No	N/A	N/A
MW-20-100	Alluvial	06/11/2026	100.49	98.01	2.50	88.59	98.59	43.58	43.63	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-20-180	Alluvial	05/13/2026	131.49	128.16	3.35	126.16	132.16	44.19	44.25	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-20-180	Alluvial	05/13/2026	131.49	128.16	3.35	126.16	132.16	44.19	44.25	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-20-130	Alluvial	06/11/2026	131.49	128.57	1.92	126.15	130.15	43.31	43.34	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-21	Alluvial	04/14/2026	58.95	58.33	0.62	38.45	58.45	50.22	50.76	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-21	Alluvial	05/12/2026	58.95	58.31	0.64	38.45	58.45	50.42	50.44	0.02	100	0.06	No	Yes	No	No	High turbidity. Continue to monitor for consecutive high turbidity readings.	N/A
MW-21	Alluvial	06/11/2026	58.95	58.36	0.59	38.45	58.45	48.84	48.15	0.31	100	0.09	No	Yes	No	No	High turbidity. Continue to monitor for consecutive high turbidity readings.	N/A
MW-22	Fluvial	06/16/2026	12.05	10.90	1.15	5.15	10.15	3.80	3.95	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-23-060	Bedrock	05/28/2026	62.68	68.30	-5.62	49.68	59.68	50.87	50.87	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-23-080	Bedrock	05/28/2026	79.75	81.80	-2.05	74.75	79.75	50.49	50.49	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-24A	Alluvial	05/27/2026	177.23	177.23	2.88	108.43	178.43	111.41	111.46	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-24B	Alluvial	05/27/2026	216.85	213.62	3.23	195.01	215.01	109.80	109.85	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-26BR	Bedrock	05/28/2026	438.47	N/A	N/A	378.47	438.47	188.22	188.32	136.30	19.527	0.04	No	No	No	No	N/A	N/A
MW-25	Alluvial	05/28/2026	106.54	106.40	0.14	86.54	105.54	88.94	88.94	0.00	500	0.38	No	No	No	No	N/A	N/A
MW-26	Alluvial	04/16/2026	70.82	68.30	2.52	50.82	70.82	46.71	46.76	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-26	Alluvial	05/16/2026	70.82	68.33	2.49	50.82	70.82	46.53	46.53	0.00	300	1.59	No	No	No	No	N/A	N/A
MW-26	Alluvial	06/10/2026	70.82	68.31	1.51	50.82	70.82	46.50	46.55	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-27-020	Fluvial	04/28/2026	18.82	13.93	4.89	8.82	18.82	4.87	4.88	0.01	500	13.21	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-27-060	Fluvial	04/28/2026	60.52	56.84	3.68	50.32	60.32	5.70	5.71	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-27-085	Fluvial	04/28/2026	100.05	100.40	-0.35	80.05	90.05	5.45	5.47	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-28-025	Fluvial	04/28/2026	25.10	23.79	1.31	15.10	25.10	10.90	10.92	0.02	300	3.96	No	No	No	No	N/A	5/16/2023
MW-28-090	Fluvial	04/28/2026	101.48	98.09	3.38	73.10	93.10	11.82	11.84	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-29	Fluvial	04/28/2026	43.73	40.72	3.01	31.71	41.71	28.85	28.84	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-30-030R	Fluvial	05/12/2026	32.43	32.10	0.33	12.03	32.03	13.54	13.54	0.00	500	N/A	No	No	No	No	Siltation. Not recommended for redevelopment based on low turbidity measurement during sampling and well being screened in fluvial sediments.	N/A
MW-30-450	Fluvial	05/12/2026	55.01	50.08	4.93	42.41	52.41	10.79	10.82	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
MW-31-060	Alluvial	04/14/2026	65.71	61.43	4.28	43.21	63.21	39.20	39.25	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-31-060	Alluvial	05/12/2026	65.71	61.54	4.37	43.21	63.21	38.80	38.82	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-31-060	Alluvial	06/09/2026	65.71	61.33	4.38	43.21	63.21	38.40	38.30	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-31-135	Alluvial	04/14/2026	133.16	130.04	3.12	112.86	132.86	39.82	39.86	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-31-135	Alluvial	05/12/2026	133.16	131.70	1.46	112.86	132.86	39.49	39.50	0.01	500	1.21	No	No	No	No	N/A	N/A
MW-31-135	Alluvial	06/09/2026	133.16	131.69	1.47	112.86	132.86	39.08	39.09	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-32-020	Fluvial	06/16/2026	22.41	19.24	3.17	12.41	22.41	6.00	6.04	0.04	300	1.98	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-32-035	Fluvial	06/16/2026	39.58	37.13	2.45	29.53	37.43	6.38	6.39	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-33-040	Fluvial	05/28/2026	40.97	40.97	0.00	31.80	41.80	31.62	31.65	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-33-090	Alluvial	05/28/2026	91.83	91.83	3.69	71.83	91.11	31.60	31.63	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-33-150	Alluvial	05/28/2026	195.15	195.04	0.11	134.77	194.77	32.12	32.12	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-33-210	Alluvial	05/28/2026	275.64	272.12	3.52	193.64	273.64	31.35	31.38	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-34-055	Fluvial	04/16/2026	56.81	56.16	0.65	47.21	57.21	5.10	5.12	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-34-055	Fluvial	06/09/2026	56.81	56.16	0.65	47.21	57.21	4.04	4.07	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-34-080	Fluvial	04/16/2026	88.99	84.12	4.87	75.26	85.26	5.32	5.32	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-34-100	Fluvial	04/16/2026	118.44	118.44	0.00	91.44	118.44	5.30	5.30	0.00	300	3.96	No	No	No	No	N/A	N/A
MW-34-100	Fluvial	05/13/2026	118.44	113.70	4.74	91.44	101.44	5.30	5.22	0.02	500	6.60	No	No	No	No	N/A	N/A

Table 4.2
Monitoring Well Water Levels and Specific Capacities
Second Quarter 2022 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 (ft)	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 Recovery	Planned for Redevelopment	Notes	Date of Last Redevelopment
MW-34-100	Fluvial	06/09/2026	116.44	115.75	0.69	91.44	101.44	26.22	4.44	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-35-060	Alluvial	06/16/2026	81.63	57.82	3.81	41.33	81.33	36.21	26.27	0.05	300	1.59	No	No	No	No	N/A	5/9/2023
MW-35-135	Alluvial	06/16/2026	158.98	154.45	4.53	116.28	158.28	25.63	25.64	0.01	300	7.93	No	No	No	No	N/A	N/A
MW-36-020	Fluvial	05/13/2026	23.08	22.30	0.78	12.78	22.78	16.24	16.24	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-36-040	Fluvial	05/13/2026	43.15	41.80	1.35	32.95	42.95	16.12	16.12	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-36-050	Fluvial	05/13/2026	55.79	53.04	2.75	48.79	53.79	16.03	16.03	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-36-070	Fluvial	05/13/2026	72.02	72.30	0.27	62.72	72.72	16.04	16.04	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-36-090	Fluvial	05/13/2026	93.34	92.00	1.34	83.04	93.04	16.27	16.27	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-36-100	Fluvial	04/15/2026	111.36	109.70	1.66	91.36	101.36	14.03	14.06	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-36-100	Fluvial	05/13/2026	111.36	109.73	1.63	91.36	101.36	14.24	14.24	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-36-100	Fluvial	06/09/2026	111.36	109.75	1.61	91.36	101.36	13.20	13.25	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-37-0	Alluvial	06/18/2026	225.80	225.80	3.41	182.49	202.49	30.77	30.80	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-37S	Alluvial	06/18/2026	87.47	86.68	0.59	66.47	86.47	30.68	30.72	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-38D	Alluvial	06/18/2026	186.58	184.40	2.18	166.28	186.28	70.70	70.74	0.04	500	1.98	No	No	No	No	N/A	6/15/2026
MW-38S	Alluvial	06/18/2026	97.77	97.12	0.65	77.47	97.47	69.62	69.63	0.01	300	7.93	No	No	No	No	N/A	7/25/2022
MW-39-040	Fluvial	05/12/2026	43.33	37.40	5.93	33.03	43.03	14.59	14.59	0.00	500	N/A	Yes	Yes	No	No	Second Quarter 2023 redevelopment with drawdown stabilization. Well will not be considered for future redevelopment.	5/14/2023
MW-39-050	Fluvial	05/12/2026	57.43	54.40	3.03	47.83	52.83	15.63	15.63	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-39-060	Alluvial	05/12/2026	69.00	58.90	10.10	51.70	61.70	14.53	14.53	0.00	500	N/A	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	04/15/2026	74.51	71.63	2.88	62.82	72.82	12.63	12.68	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-39-070	Alluvial	05/12/2026	74.51	71.60	2.91	62.82	72.82	12.74	12.74	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-39-070	Alluvial	06/09/2026	74.51	71.62	2.89	62.82	72.82	11.63	11.97	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-39-080	Alluvial	04/15/2026	85.37	82.34	3.03	72.82	82.82	12.60	12.55	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-39-080	Alluvial	05/12/2026	85.37	82.30	3.07	72.82	82.82	12.24	12.34	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-39-080	Alluvial	06/09/2026	85.37	82.34	3.03	72.82	82.82	11.90	13.25	1.35	300	0.06	No	Yes	No	No	Drawdown stabilized around 13.25 feet bTOC during purging. Not recommended for redevelopment because low turbidity was measured during sampling, minimal drawdown occurred, and specific capacity indicated good yield. Continue to monitor for improved specific capacity next sampling event.	N/A
MW-39-100	Alluvial	04/15/2026	120.53	116.50	4.03	82.82	102.82	12.60	12.64	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-39-100	Alluvial	05/12/2026	120.53	116.52	4.01	82.82	102.82	12.69	12.69	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-39-100	Alluvial	06/09/2026	120.53	116.49	4.04	82.82	102.82	11.00	11.84	0.08	300	1.59	No	No	No	No	N/A	N/A
MW-40S	Alluvial	05/10/2026	295.58	285.47	0.11	235.58	295.58	11.02	11.08	0.06	500	2.20	No	No	No	No	N/A	N/A
MW-41D	Alluvial	06/10/2026	135.04	133.79	1.25	115.74	134.74	10.37	10.41	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-41M	Alluvial	06/16/2026	314.04	311.00	3.04	275.54	293.54	23.90	23.91	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-41M	Alluvial	06/16/2026	192.78	192.20	0.58	172.78	192.78	24.19	24.20	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-41S	Alluvial	06/16/2026	82.66	81.48	1.18	42.66	82.66	23.98	23.98	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-42-030	Fluvial	06/15/2026	32.55	31.12	1.43	12.25	32.25	7.67	7.69	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-42-055	Fluvial	06/15/2026	55.29	52.61	2.68	44.99	54.99	7.67	7.70	0.03	300	2.64	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	06/15/2026	83.47	83.70	-0.23	69.47	89.47	7.17	7.21	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-43-025	Fluvial	04/14/2026	27.52	26.55	0.97	17.52	27.52	6.46	6.48	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-43-025	Fluvial	06/10/2026	27.52	26.51	1.01	17.52	27.52	6.11	6.14	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-43-075	Fluvial	06/10/2026	77.79	77.51	0.28	67.79	77.79	6.31	6.33	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-43-090	Fluvial	06/10/2026	99.82	102.68	-2.84	82.82	92.82	6.52	6.55	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-44-070	Fluvial	05/14/2026	72.10	72.30	-0.20	62.10	72.10	15.71	15.75	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-44-115	Alluvial	04/13/2026	114.52	114.39	0.11	105.52	114.52	16.73	16.77	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-44-115	Alluvial	05/14/2026	114.52	114.39	0.13	105.52	114.52	16.06	16.08	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-44-115	Alluvial	06/09/2026	114.52	114.61	0.11	105.52	114.52	15.62	15.63	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-44-125	Alluvial	04/13/2026	130.35	128.63	1.72	117.55	128.55	16.72	16.75	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-44-125	Alluvial	05/14/2026	130.35	128.66	1.69	117.55	128.55	16.00	16.03	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-44-125	Alluvial	06/09/2026	130.35	128.63	1.72	117.55	128.55	15.59	15.40	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-45-095A	Fluvial	04/28/2026	98.34	93.88	4.46	84.34	94.34	12.66	12.68	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-46-175	Alluvial	04/14/2026	176.84	176.11	0.73	166.34	176.34	26.80	26.82	0.02	200	2.64	No	No	No	No	N/A	N/A
MW-46-175	Alluvial	05/14/2026	176.84	176.10	0.74	166.34	176.34	26.80	26.82	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-46-175	Alluvial	06/09/2026	176.84	176.11	0.73	166.34	176.34	26.42	26.44	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-46-205	Alluvial	05/20/2026	205.49	218.71	-9.22	196.49	205.49	27.72	27.75	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-47-005	Alluvial	05/26/2026	56.94	56.59	0.36	46.94	56.94	27.80	27.85	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-47-115	Alluvial	05/26/2026	116.58	116.50	1.08	106.58	116.58	28.19	28.24	0.05	300	1.59	No	No	No	No	N/A	N/A
MW-48	Bedrock	05/21/2026	138.81	136.40	2.41	125.81	135.81	32.44	32.89	0.45	300	0.18	No	No	No	No	N/A	N/A
MW-49-135	Alluvial	04/28/2026	196.52	196.22	0.30	186.52	196.52	26.47	26.50	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-49-275	Alluvial	04/28/2026	274.72	274.72	1.73	258.45	278.45	29.67	29.69	0.04	500	3.30	No	No	No	No	N/A	N/A

Table 4.2
Monitoring Well Water Levels and Specific Capacities
Second Quarter 2020 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well ID	Well Screen Linology	Sample Date	Constructed Well Depth (ft bTOC)	Measured Well Depth (ft bTOC)	Difference in Constructed and Measured Well Depth (ft)	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 25% of screen?	Flagged for Evaluation	Planned for Remediation	Planned for Redevelopment	Notes	Date of Last Redevelopment
MW-43-305	Alluvial	04/26/2026	368.96	367.35	1.61	347.51	367.51	31.49	31.49	0.05	500	2.64	No	No	No	No	N/A	N/A
MW-50-095	Alluvial	05/26/2026	97.16	96.40	0.76	87.16	97.16	42.86	42.86	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-50-200	Alluvial	04/30/2026	203.96	203.96	2.57	192.03	202.03	41.08	41.10	0.02	500	6.60	No	No	No	No	Siltation. Not recommended for redevelopment because low turbidity was measured during sampling and minimal drawdown occurred. Continue to monitor.	N/A
MW-51	Alluvial	04/16/2026	112.94	99.16	13.78	96.69	111.69	45.87	45.92	0.05	300	1.59	Yes	Yes	No	No	Siltation. Not recommended for redevelopment because low turbidity was measured during sampling and minimal drawdown occurred. Continue to monitor.	N/A
MW-51	Alluvial	05/14/2026	112.94	113.00	-0.06	96.69	111.69	45.79	45.69	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-54-005	Alluvial	05/11/2026	112.94	112.94	-0.06	96.69	111.69	45.79	45.69	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-54-005	Alluvial	06/11/2026	112.94	112.94	-0.06	96.69	111.69	45.79	45.69	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-54-140	Alluvial	06/11/2026	137.59	136.48	1.11	127.59	137.59	10.08	10.10	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-54-195	Alluvial	06/11/2026	185.04	182.04	3.00	185.04	195.04	10.96	10.99	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
MW-55-045	Alluvial	05/21/2026	56.14	49.20	6.94	39.09	49.09	9.73	9.75	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-55-120	Alluvial	05/21/2026	122.14	120.57	1.57	103.89	113.89	9.90	9.96	0.06	300	1.32	No	No	No	No	N/A	N/A
MW-56-000	Alluvial	05/21/2026	N/A	105.32	N/A	104.93	106.93	12.29	12.33	0.04	300	3.96	N/A	No	No	No	N/A	N/A
MW-56-000	Alluvial	05/21/2026	N/A	105.32	N/A	104.93	106.93	12.29	12.33	0.04	300	3.96	N/A	No	No	No	N/A	N/A
MW-57-000	Alluvial	05/21/2026	70.40	65.59	4.81	55.59	65.59	5.90	5.92	0.02	300	7.26	No	No	No	No	N/A	N/A
MW-57-185	Bedrock	06/17/2026	184.70	180.83	3.87	70.20	184.00	52.10	52.12	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-58-000	Bedrock	05/27/2026	205.13	204.20	0.93	69.13	205.13	67.00	67.01	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-59-100	Alluvial	05/26/2026	100.71	100.73	-0.02	85.71	100.71	82.00	82.86	0.08	300	1.32	No	No	No	No	N/A	10/18/2024
MW-60-125	Bedrock	04/29/2026	122.69	121.75	0.94	102.69	122.69	99.45	99.87	0.02	500	6.60	No	Yes	No	No	High turbidity. Continue to monitor for three consecutive high turbidity readings.	N/A
MW-60BR-245	Bedrock	05/26/2026	245.00	245.00	0.00	135.09	244.09	99.42	99.55	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-61-110	Bedrock	05/26/2026	110.81	111.86	-1.05	90.81	110.81	88.16	88.18	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-62-065	Bedrock	05/26/2026	67.40	63.70	3.70	44.50	64.50	48.10	48.10	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-62-110	Bedrock	05/26/2026	105.55	N/A	N/A	84.55	105.55	N/A	N/A	N/A	1.893	N/A	No	No	No	No	N/A	N/A
MW-63-190	Bedrock	05/26/2026	191.55	N/A	N/A	114.55	191.55	N/A	N/A	N/A	1.893	N/A	No	No	No	No	N/A	N/A
MW-63-065	Bedrock	05/26/2026	65.47	63.20	2.27	45.47	65.47	63.20	63.20	-13.33	500	-0.07	No	No	No	No	N/A	N/A
MW-64BR	Bedrock	05/26/2026	280.02	284.26	-4.24	2.02	284.26	119.51	119.56	0.05	500	2.64	No	No	No	No	N/A	N/A
MW-65-160	Alluvial	05/27/2026	195.70	190.14	5.56	148.60	195.70	141.05	141.06	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-65-225	Alluvial	05/27/2026	224.68	225.33	-0.65	214.59	224.59	140.89	140.90	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-66-165	Alluvial	05/26/2026	161.25	161.03	0.22	161.25	161.25	130.46	130.46	0.05	500	2.64	No	No	No	No	N/A	N/A
MW-66-230	Alluvial	04/30/2026	227.31	227.09	0.22	217.31	227.31	131.28	131.30	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-66BR-270	Bedrock	05/26/2026	270.65	270.65	0.00	247.65	270.65	128.36	128.36	N/A	18.927	N/A	No	No	No	No	N/A	N/A
MW-67-185	Alluvial	05/27/2026	186.74	186.74	-0.01	176.73	186.73	170.23	170.25	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-67-225	Alluvial	05/27/2026	224.59	225.18	-0.59	203.52	224.52	170.23	170.23	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-67-260	Alluvial	05/27/2026	259.50	260.14	-0.64	245.50	259.50	170.22	170.25	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-68-160	Alluvial	04/30/2026	160.08	160.08	-0.00	164.59	165.94	165.97	165.97	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-68-240	Alluvial	04/30/2026	238.63	238.69	-0.06	216.63	238.63	166.11	166.13	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-68BR-280	Bedrock	05/27/2026	278.27	N/A	N/A	238.27	278.27	164.05	164.05	0.00	379	0.00	No	No	No	No	N/A	N/A
MW-69-195	Bedrock	05/27/2026	195.27	195.63	-0.36	175.27	195.27	175.29	175.33	0.04	500	3.30	No	Yes	No	No	High turbidity. Continue to monitor for three consecutive high turbidity readings.	N/A
MW-70-105	Bedrock	04/28/2026	107.87	105.11	2.76	84.87	104.87	82.22	82.26	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-70BR-225	Bedrock	04/29/2026	228.89	219.28	9.61	119.61	226.61	79.05	79.05	0.02	500	6.60	No	No	No	No	N/A	5/7/2022
MW-70BR-287	Bedrock	04/29/2026	286.58	285.17	1.41	235.98	285.98	82.70	82.73	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-71-035	Alluvial	04/14/2026	35.31	35.31	0.00	25.70	35.70	28.40	29.21	0.31	100	0.09	No	Yes	No	No	High turbidity. Turbidity improved in consecutive sampling event.	N/A
MW-71-035	Alluvial	05/12/2026	35.90	35.92	-0.02	25.70	35.70	28.34	28.93	0.59	100	0.04	No	No	No	No	N/A	N/A
MW-71-035	Alluvial	06/11/2026	35.90	35.33	0.57	25.70	35.70	27.28	27.70	0.42	100	0.06	No	Yes	No	No	High turbidity. Continue to monitor for three consecutive high turbidity readings.	N/A
MW-72-080	Bedrock	05/28/2026	79.88	79.10	0.78	58.79	79.79	57.60	57.62	0.02	500	6.60	No	Yes	No	No	Consecutive high turbidity readings. Not recommended for redevelopment given it is a bedrock well. Turbidity readings are specific capacity indicates good yield.	N/A
MW-75BR-200	Bedrock	05/28/2026	199.29	200.00	-0.71	104.29	199.29	57.74	57.75	0.01	500	13.21	No	Yes	No	No	High turbidity. Continue to monitor for three consecutive high turbidity readings.	N/A
MW-75-080	Bedrock	05/28/2026	80.02	76.82	3.20	59.52	79.52	50.87	50.90	0.03	500	4.40	No	Yes	No	No	High turbidity. Continue to monitor for three consecutive high turbidity readings.	N/A
MW-74-240	Bedrock	05/27/2026	239.44	240.65	-1.21	219.44	239.44	216.91	216.91	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-75-030	Alluvial	06/15/2026	35.48	34.79	0.69	19.00	33.08	17.05	17.05	0.00	500	6.60	No	No	No	No	N/A	N/A
MW-75-117	Alluvial	06/15/2026	119.45	119.45	0.00	97.15	117.15	12.51	12.51	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-75-202	Alluvial	06/15/2026	204.49	204.31	0.18	182.49	202.49	17.02	17.65	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-75-267	Alluvial	06/15/2026	266.50	266.50	0.00	247.20	267.20	17.70	17.70	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-75-337	Alluvial	06/15/2026	339.79	337.33	2.46	317.49	337.49	19.89	19.90	0.01	500	13.21	No	No	No	No	N/A	N/A

Table 4.2
Monitoring Well Water Levels and Specific Capacities
Second Quarter 2020 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 (ft)	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 Recovery	Planned for Redevelopment	Notes	Date of Last Redevelopment
MW-76-039	Alluvial	04/13/2026	39.10	38.49	0.61	23.60	38.60	25.58	25.61	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-76-039	Alluvial	05/11/2026	39.10	38.50	0.60	23.60	38.60	25.10	25.12	0.02	500	6.60	No	No	No	No	High turbidity. Continue to monitor for three consecutive high turbidity readings.	N/A
MW-76-039	Alluvial	06/08/2026	39.10	38.49	0.61	23.60	38.60	24.87	24.86	-0.01	500	-13.21	No	Yes	No	No	High turbidity. Continue to monitor for three consecutive high turbidity readings.	N/A
MW-76-156	Alluvial	04/13/2026	156.01	155.53	2.48	135.71	155.71	26.30	26.37	0.07	300	1.13	No	No	No	No	N/A	N/A
MW-76-156	Alluvial	05/11/2026	156.01	155.75	2.26	135.71	155.71	25.91	25.91	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-76-156	Alluvial	06/08/2026	156.01	156.76	2.25	135.71	156.76	25.05	25.08	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-76-181	Alluvial	04/13/2026	183.12	182.61	1.60	170.82	180.82	25.65	25.65	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-76-181	Alluvial	05/11/2026	183.12	181.70	1.42	170.82	180.82	25.69	25.91	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-76-181	Alluvial	06/08/2026	183.12	181.75	1.37	170.82	180.82	24.69	25.00	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-76-218	Alluvial	04/13/2026	220.05	219.60	0.45	197.75	217.75	25.45	25.48	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-76-218	Alluvial	05/11/2026	220.05	218.22	1.83	197.75	217.75	26.88	26.88	0.00	500	N/A	No	Yes	No	No	High turbidity. Turbidity improved in consecutive sampling event.	N/A
MW-76-218	Alluvial	06/08/2026	220.05	218.22	1.83	197.75	217.75	24.89	24.92	0.03	500	4.40	No	No	No	No	Siltation and high turbidity. Continue to monitor for three consecutive high turbidity readings. High turbidity readings may be a result of redeveloment because minimal drawdown occurred and specific capacity indicated good yield.	N/A
MW-77-046	Alluvial	05/13/2026	48.15	39.02	9.13	25.85	45.85	23.12	23.14	0.02	500	6.60	Yes	Yes	No	No	High turbidity. Continue to monitor for three consecutive high turbidity readings.	10/16/2024
MW-77-102	Alluvial	05/13/2026	104.21	104.61	-0.40	81.91	101.91	22.92	22.95	0.03	500	4.40	No	Yes	No	No	High turbidity. Continue to monitor for three consecutive high turbidity readings.	N/A
MW-77-158	Alluvial	05/13/2026	160.14	160.08	0.06	137.64	157.74	22.70	22.73	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-77-187	Alluvial	04/15/2026	199.21	199.05	0.16	166.71	196.81	23.00	23.05	0.05	300	1.99	No	No	No	No	N/A	N/A
MW-77-187	Alluvial	05/13/2026	199.21	199.08	0.13	166.71	196.81	22.77	22.80	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-77-187	Alluvial	06/09/2026	199.21	199.80	-0.39	166.71	196.81	22.11	22.13	0.02	500	6.60	No	Yes	No	No	High turbidity. Continue to monitor for three consecutive high turbidity readings.	N/A
MW-78-070	Alluvial	04/16/2026	71.45	72.65	-0.70	49.55	69.55	49.27	46.32	-2.95	300	-0.03	No	No	No	No	N/A	N/A
MW-78-070	Alluvial	05/14/2026	71.45	72.63	-0.68	49.55	69.55	46.52	46.51	-0.01	500	-13.21	No	No	No	No	N/A	N/A
MW-78-070	Alluvial	06/10/2026	71.45	72.50	-0.65	49.55	69.55	45.60	45.66	0.06	300	1.32	No	No	No	No	N/A	N/A
MW-78-142	Alluvial	04/16/2026	141.76	147.04	-5.28	121.46	141.46	46.36	46.36	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-78-142	Alluvial	05/14/2026	141.76	147.00	-5.24	121.46	141.46	45.60	46.60	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-78-142	Alluvial	06/10/2026	141.76	147.03	-5.27	121.46	141.46	45.64	46.64	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-79-058	Alluvial	04/16/2026	60.05	60.18	-0.13	47.55	57.55	45.90	45.94	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-79-058	Alluvial	05/14/2026	60.05	60.18	-0.13	47.55	57.55	45.97	45.97	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-79-058	Alluvial	06/10/2026	60.05	60.20	-0.15	47.55	57.55	45.00	45.05	0.05	300	2.98	No	No	No	No	N/A	N/A
MW-79-102	Alluvial	04/16/2026	104.23	104.01	0.22	91.43	101.43	44.58	44.58	0.00	300	2.64	No	No	No	No	N/A	N/A
MW-79-102	Alluvial	05/14/2026	104.23	104.03	0.20	91.43	101.43	44.58	44.58	0.00	300	3.96	No	No	No	No	N/A	N/A
MW-79-102	Alluvial	06/10/2026	104.23	104.03	0.20	91.43	101.43	44.58	44.58	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-80-057	Alluvial	04/16/2026	59.46	59.40	0.06	46.96	56.96	48.54	48.56	0.02	300	3.96	No	No	No	No	High turbidity. Turbidity improved in consecutive sampling event.	N/A
MW-80-057	Alluvial	05/14/2026	59.46	59.22	0.24	46.96	56.96	48.10	48.12	0.02	500	6.60	No	Yes	No	No	High turbidity. Continue to monitor for three consecutive high turbidity readings.	N/A
MW-80-057	Alluvial	06/10/2026	59.46	59.24	0.22	46.96	56.96	47.55	47.59	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-80-062	Alluvial	04/16/2026	84.00	83.63	0.37	66.50	81.50	48.50	48.56	0.06	300	1.32	No	No	No	No	N/A	N/A
MW-80-062	Alluvial	05/14/2026	84.00	83.80	0.40	66.50	81.50	48.57	48.57	0.00	500	2.64	No	No	No	No	N/A	N/A
MW-80-062	Alluvial	06/10/2026	84.00	83.64	0.36	66.50	81.50	47.96	47.99	0.03	300	2.64	No	No	No	No	N/A	N/A
MW-81-043	Alluvial	04/15/2026	44.73	43.13	1.60	22.43	42.43	22.64	22.68	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-81-043	Alluvial	05/11/2026	44.73	43.10	1.63	22.43	42.43	22.47	22.47	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-81-043	Alluvial	06/10/2026	44.73	44.55	0.18	22.43	42.43	21.43	21.66	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-81-098	Alluvial	04/15/2026	99.82	99.21	0.61	77.52	97.52	22.62	22.66	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-81-098	Alluvial	05/11/2026	99.82	99.20	0.62	77.52	97.52	22.48	22.48	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-81-098	Alluvial	06/10/2026	99.82	98.77	1.05	77.52	97.52	21.48	21.90	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-82-046	Alluvial	06/10/2026	46.87	46.51	2.96	26.57	46.57	29.00	29.05	0.05	300	1.99	No	No	No	No	N/A	5/11/2023
MW-82-112	Alluvial	06/18/2026	114.78	114.23	0.55	92.48	112.48	28.40	28.92	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-82-168	Alluvial	06/18/2026	170.34	169.68	0.48	148.04	168.04	28.24	28.29	0.05	300	1.99	No	No	No	No	N/A	N/A
MW-82-198	Alluvial	06/18/2026	200.25	199.48	0.77	177.95	197.95	28.00	28.04	0.04	300	1.98	No	No	No	No	N/A	N/A
MW-83-090	Alluvial	06/16/2026	191.59	90.44	1.15	69.29	89.29	73.30	73.33	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-83-180	Alluvial	06/16/2026	181.18	181.40	-0.22	158.16	178.16	73.31	73.32	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-83-225	Alluvial	06/16/2026	227.55	224.72	2.83	205.15	225.15	73.69	73.70	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-83-245	Alluvial	06/16/2026	247.40	246.12	1.28	235.00	245.00	73.69	73.70	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-84-057	Alluvial	05/27/2026	95.38	95.12	1.26	41.98	95.98	47.84	NMI	NMI	500	N/A	No	No	No	No	N/A	N/A
MW-84-095	Alluvial	05/27/2026	97.32	93.03	4.29	74.92	94.92	52.29	52.29	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-84-132	Alluvial	05/27/2026	134.39	134.00	0.39	111.90	131.90	46.24	46.24	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-84-193	Alluvial	05/27/2026	195.41	194.43	0.98	173.11	193.11	47.89	47.89	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-85-119	Alluvial	05/26/2026	214.15	212.03	2.12	195.03	215.03	132.01	132.01	0.00	500	6.60	No	No	No	No	N/A	N/A
MW-85-217	Alluvial	05/26/2026	238.84	238.00	0.84	226.54	236.54	114.00	114.00	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-86-030	Alluvial	04/29/2026	34.51	31.80	2.71	22.54	32.54	11.28	11.30	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-86-066	Alluvial	04/29/2026	70.40	69.25	1.15	48.10	68.10	12.20	12.22	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-86-120	Alluvial	05/28/2026	104.67	123.25	-1.42	102.37	122.37	12.78	12.79	0.01	500	13.21	No	No	No	No	N/A	N/A

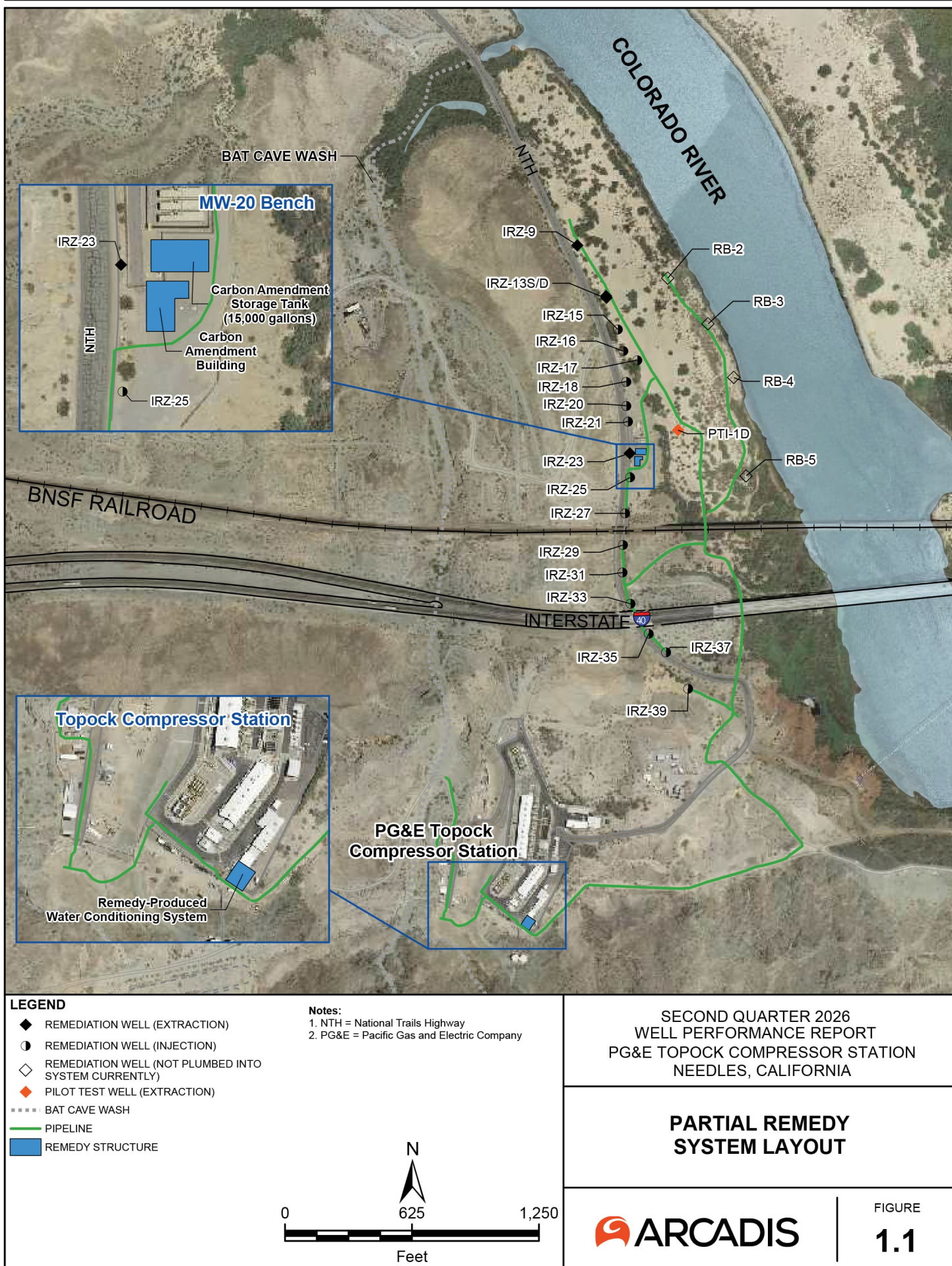
Table 4.2
Monitoring Well Water Levels and Specific Capacities
Second Quarter 2020 Well Performance Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well ID	Well Screen Lithology	Sample Date	Constructed Well Depth (ft bTOC)	Measured Well Depth (ft bTOC)	Difference in Constructed and Measured Well Depth (ft)	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 Re-evaluation	Planned for Recovery	Planned for Redevelopment	Notes	Date of Last Redevelopment
MW-95-140	Alluvial	04/29/2020	144.53	143.20	1.33	132.23	142.23	13.21	13.22	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-97-109	Alluvial	06/17/2020	111.14	110.62	0.52	88.84	108.80	90.80	90.86	0.06	500	2.20	No	No	No	No	N/A	N/A
MW-97-139	Alluvial	06/09/2020	141.24	141.07	0.17	118.84	138.84	90.78	90.80	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-97-192	Alluvial	06/17/2020	194.21	193.16	1.05	171.81	191.81	91.16	91.19	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-97-275	Bedrock	06/16/2020	277.06	276.17	0.89	254.76	274.76	91.20	91.24	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-98-107	Bedrock	06/17/2020	108.84	108.84	0.02	86.76	106.76	90.44	90.46	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-98-163	Alluvial	06/10/2020	185.18	185.24	0.24	163.02	183.02	131.68	131.50	-0.18	500	-4.73	No	No	No	No	N/A	N/A
MW-98-273	Alluvial	06/10/2020	275.56	274.66	0.90	253.16	273.16	131.73	131.76	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-90-031	Alluvial	06/16/2020	31.31	31.30	2.29	21.30	31.30	4.10	4.13	0.03	300	2.84	No	No	No	No	N/A	N/A
MW-91-045	Fluvial	06/11/2020	46.51	46.55	-0.04	24.21	44.21	9.40	9.44	0.02	300	3.96	No	No	No	No	N/A	N/A
MW-91-120	Alluvial	06/11/2020	122.00	122.00	0.00	99.70	119.70	9.60	9.64	0.04	300	1.89	No	No	No	No	N/A	N/A
MW-91-170	Alluvial	06/11/2020	173.14	172.65	0.49	150.74	170.74	9.60	9.65	0.05	300	1.89	No	No	No	No	N/A	N/A
MW-91-320	Alluvial	06/11/2020	323.05	321.60	1.45	300.65	320.65	11.60	11.86	0.06	300	1.32	No	No	No	No	N/A	N/A
MW-92-037	Fluvial	06/11/2020	40.96	40.62	0.34	18.56	38.56	5.70	5.72	0.02	500	6.60	No	No	No	No	N/A	N/A
MW-92-072	Fluvial	06/11/2020	75.63	75.62	0.41	53.63	73.63	5.62	5.65	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-92-102	Fluvial	06/11/2020	106.72	106.14	0.58	84.42	104.42	6.05	6.09	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-92-122	Bedrock	06/11/2020	126.64	126.08	0.56	114.34	124.34	6.42	6.42	0.00	500	N/A	No	No	No	No	N/A	N/A
MW-93-050	Alluvial	06/18/2020	51.90	51.55	0.35	29.60	49.60	30.48	30.90	0.02	500	6.60	No	Yes	No	No	High turbidity. Continue to monitor for three consecutive high turbidity readings.	N/A
MW-93-213	Alluvial	06/17/2020	214.58	214.58	0.24	192.52	212.52	30.71	30.72	0.01	500	13.21	No	No	No	No	N/A	N/A
MW-95-113	Alluvial	06/17/2020	117.60	117.70	-0.10	95.30	115.30	97.48	97.72	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-95-157	Alluvial	06/17/2020	161.56	161.47	0.09	138.26	158.26	97.41	97.45	0.04	500	3.30	No	No	No	No	N/A	N/A
MW-96-045	Alluvial	05/21/2020	47.52	46.81	0.71	25.22	45.22	28.15	28.18	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-96-217	Alluvial	05/21/2020	219.33	218.43	0.90	197.03	217.03	28.41	28.94	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-97-042	Alluvial	06/11/2020	42.63	41.95	0.68	22.13	42.13	25.48	25.99	0.01	300	7.33	No	No	No	No	N/A	N/A
MW-97-202	Alluvial	06/11/2020	201.47	200.93	0.54	190.97	200.97	26.76	26.79	0.03	300	2.84	No	No	No	No	N/A	N/A
MW-98-055	Alluvial	05/28/2020	50.69	50.14	0.55	42.20	57.39	46.45	46.48	0.03	500	4.40	No	No	No	No	N/A	N/A
MW-98-077	Alluvial	05/28/2020	81.03	81.03	0.55	69.28	79.28	46.35	46.38	0.03	500	4.40	No	No	No	No	N/A	N/A
PGE-07BR	Bedrock	05/27/2020	303.14	N/A	N/A	293.14	303.14	110.61	NM	NM	37.854	N/A	No	No	No	No	N/A	N/A
PGE-08	Bedrock	04/30/2020	553.25	N/A	N/A	407.75	553.25	143.72	NM	NM	37.854	N/A	No	No	No	No	N/A	N/A
P7SD	Alluvial	05/14/2020	107.37	107.25	0.12	97.37	107.37	18.33	18.35	0.02	300	3.96	No	No	No	No	N/A	N/A
P7SD	Alluvial	05/14/2020	107.22	107.22	0.15	97.37	107.37	17.63	17.65	0.02	500	6.60	No	No	No	No	N/A	N/A
P7SD	Alluvial	06/11/2020	107.20	107.20	0.17	97.37	107.37	20.50	20.52	0.02	300	3.96	No	No	No	No	N/A	N/A
P7SM	Fluvial	05/14/2020	N/A	72.82	N/A	62.37	72.37	17.64	17.67	0.03	500	4.40	No	No	No	No	N/A	N/A
P7SS	Fluvial	05/14/2020	N/A	47.89	N/A	37.35	47.35	17.60	17.53	0.03	500	4.40	No	No	No	No	N/A	N/A
P7SD	Alluvial	04/13/2020	106.00	106.47	-0.47	96.00	106.00	20.68	20.70	0.02	500	6.60	No	No	No	No	N/A	N/A
P7SD	Alluvial	05/11/2020	106.00	106.50	-0.50	96.00	106.00	20.52	20.52	0.00	500	N/A	No	No	No	No	N/A	N/A
P7SD	Alluvial	06/11/2020	106.00	106.48	-0.48	96.00	106.00	20.52	20.52	0.02	300	3.96	No	No	No	No	N/A	N/A
P7SD	Alluvial	05/27/2020	211.95	210.55	1.40	188.46	208.46	106.37	106.38	0.01	1,893	9.00	No	No	No	No	N/A	N/A
P7SD	Alluvial	05/27/2020	186.50	186.50	0.00	164.50	184.50	104.00	104.03	0.03	1,893	9.00	No	No	No	No	N/A	N/A
P7SM	Alluvial	05/27/2020	186.54	186.50	-0.29	161.54	181.54	104.00	104.03	0.03	1,893	16.87	No	No	No	No	N/A	N/A
P7SS	Alluvial	05/27/2020	152.68	152.68	-0.10	127.76	147.76	103.69	103.74	0.05	1,893	10.00	No	No	No	No	N/A	N/A
TW-01	Alluvial	04/30/2020	298.73	295.81	3.92	268.73	295.73	165.20	165.25	0.05	500	2.84	No	No	No	No	N/A	N/A
TW-02D	Alluvial	04/14/2020	148.96	149.61	-0.65	108.96	143.96	38.41	38.42	0.01	5,300	140.00	No	No	No	No	N/A	N/A
TW-02D	Alluvial	05/12/2020	148.96	149.61	-0.65	108.96	143.96	37.81	37.83	0.02	5,300	70.00	No	No	No	No	N/A	N/A
TW-02D	Alluvial	06/11/2020	148.96	149.61	-0.65	108.96	143.96	37.66	37.67	0.01	5,300	140.00	No	No	No	No	N/A	N/A
TW-02S	Alluvial	04/14/2020	94.39	95.27	-1.88	39.39	89.39	38.71	38.73	0.02	5,300	70.00	No	No	No	No	N/A	N/A
TW-02S	Alluvial	05/12/2020	94.39	95.27	-1.88	39.39	89.39	38.02	38.04	0.02	5,300	70.00	No	No	No	No	N/A	N/A
TW-02S	Alluvial	06/11/2020	94.39	95.27	-1.88	39.39	89.39	37.26	37.28	0.02	5,300	70.00	No	No	No	No	N/A	N/A
TW-03D	Alluvial	04/14/2020	151.22	152.32	-1.10	106.22	151.22	38.20	38.22	0.02	5,300	70.00	No	No	No	No	N/A	N/A
TW-03D	Alluvial	05/12/2020	151.22	152.32	-1.10	106.22	151.22	37.55	37.53	-0.02	5,300	-70.00	No	No	No	No	N/A	N/A
TW-03D	Alluvial	06/11/2020	151.22	152.32	-1.10	106.22	151.22	37.40	37.41	0.01	5,300	140.00	No	No	No	No	N/A	N/A
TW-04	Alluvial	06/17/2020	296.49	293.98	2.51	211.49	251.49	29.21	29.25	0.04	500	3.30	No	No	No	No	N/A	N/A
TW-05	Alluvial	05/26/2020	156.33	155.73	0.60	111.33	151.33	43.40	43.40	0.00	500	N/A	No	No	No	No	N/A	N/A

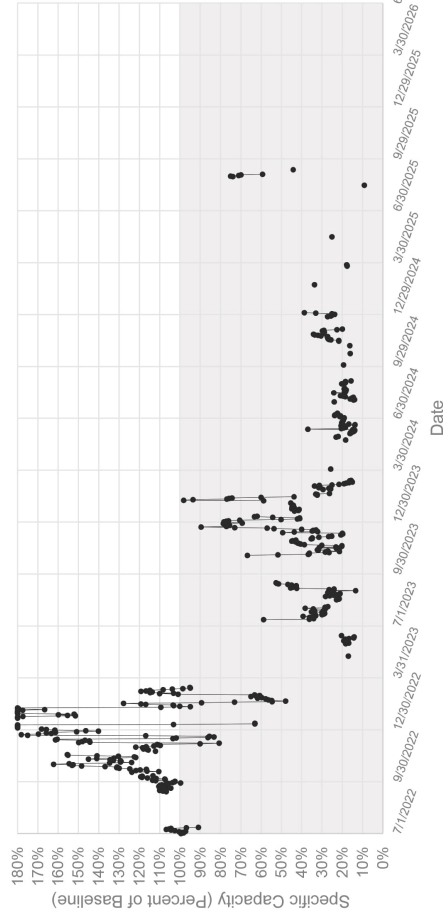
Notes:
1. Shallow wells MW-52D, MW-52M, MW-52S, MW-52D, MW-52M, and MW-52S) are not included in this evaluation.
2. Specific capacity is evaluated for alluvial and fluvial wells. Bedrock wells are not included in this evaluation.

Acronyms and Abbreviations:
gm/foot = feet below top of casing
mL/min = milliliter per minute
ID = identification
N/A = not applicable
NM = not measured

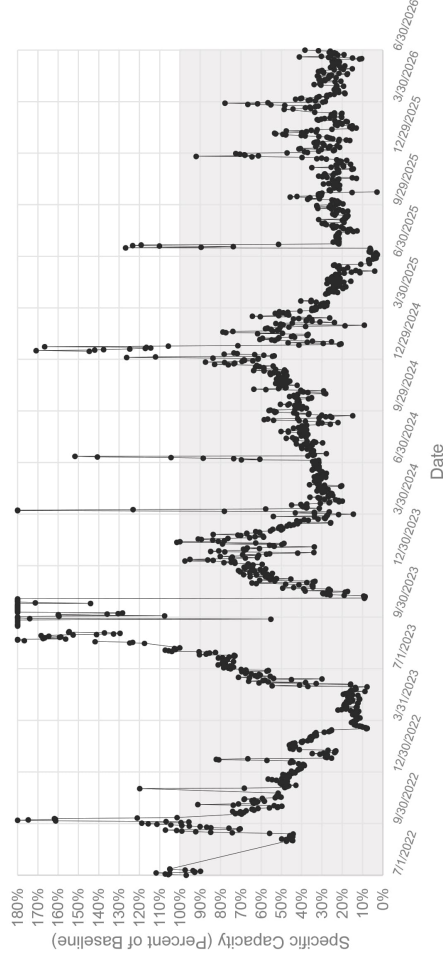
Figures



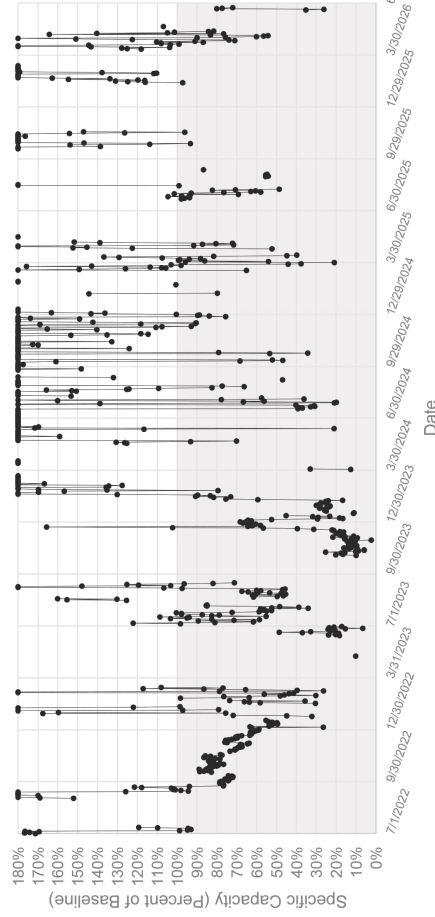
IRZ-13S



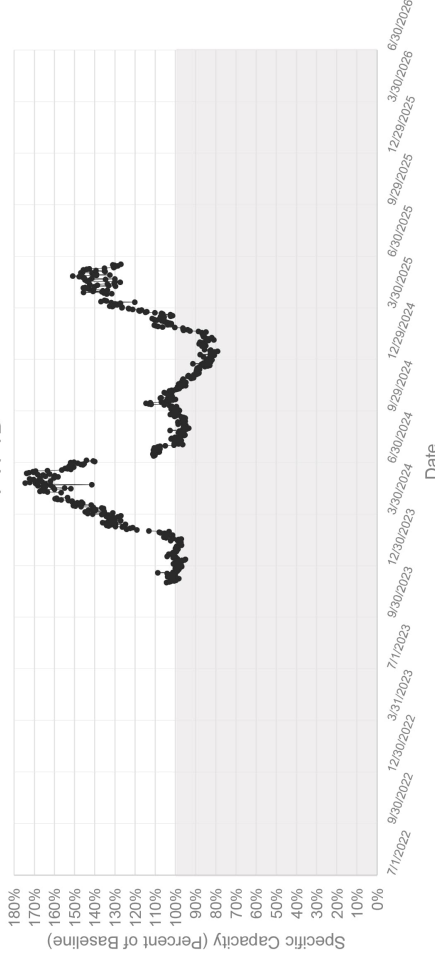
IRZ-23



IRZ-13D



PTI-1D



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.

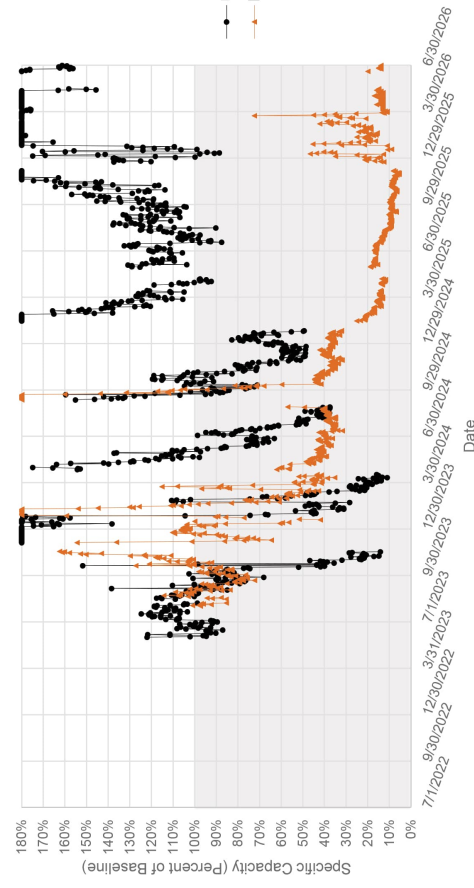
SECOND QUARTER 2026
WELL PERFORMANCE REPORT
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

EXTRACTION WELL SPECIFIC
CAPACITY TRENDS

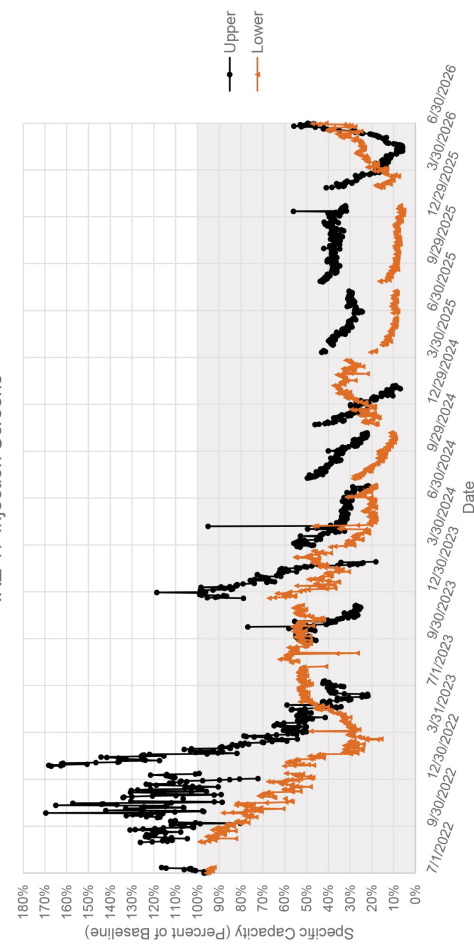
FIGURE
3.1



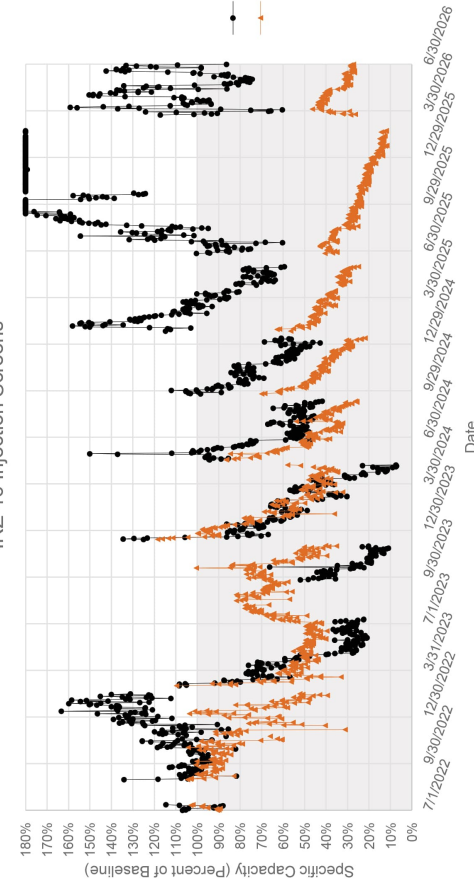
IRZ-15 Injection Screens



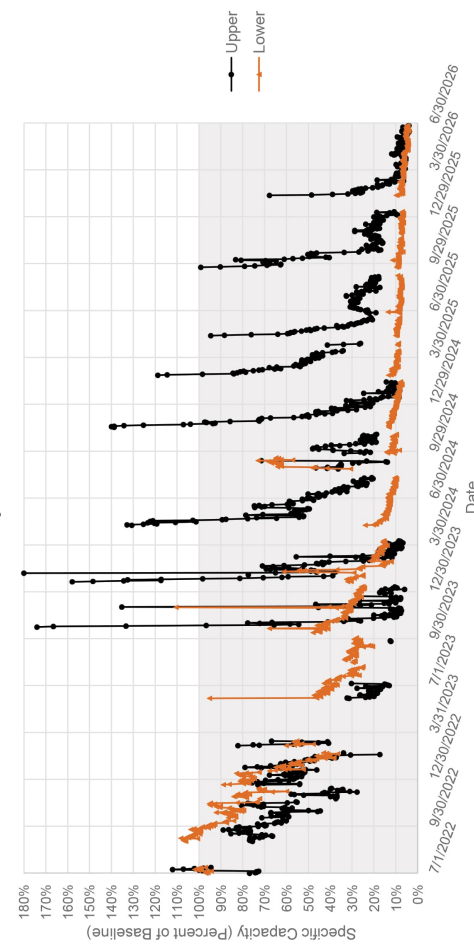
IRZ-17 Injection Screens



IRZ-16 Injection Screens



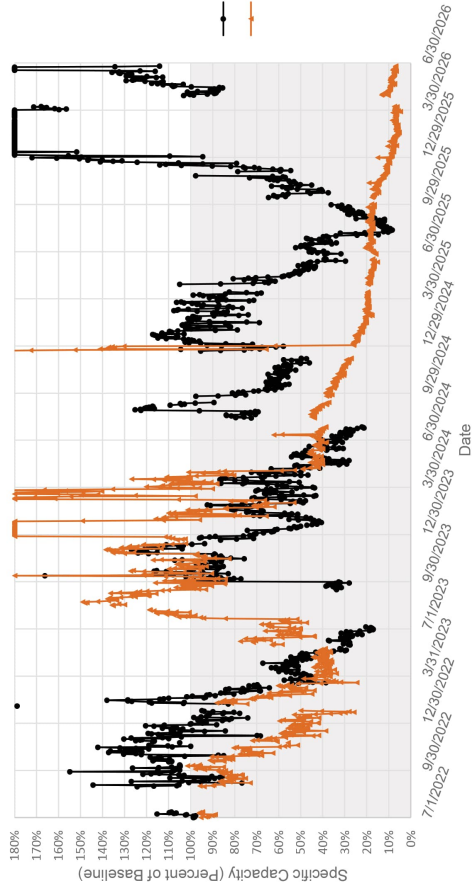
IRZ-18 Injection Screens



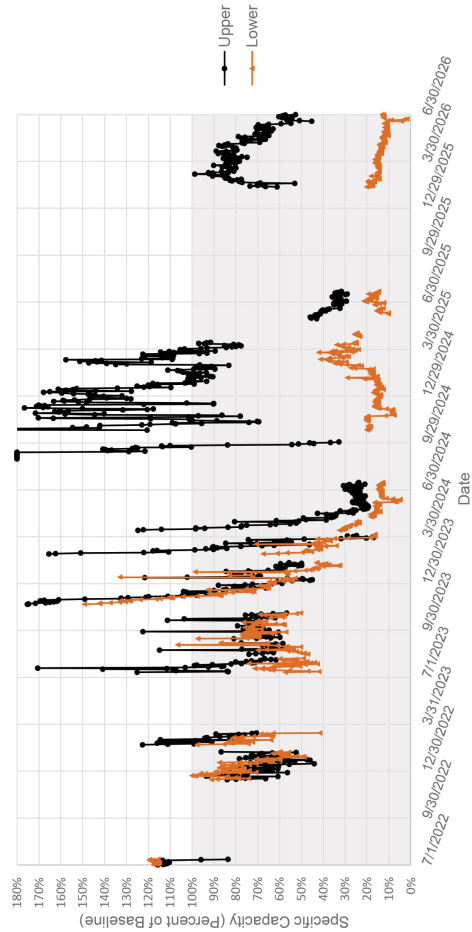
Notes:

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% 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.

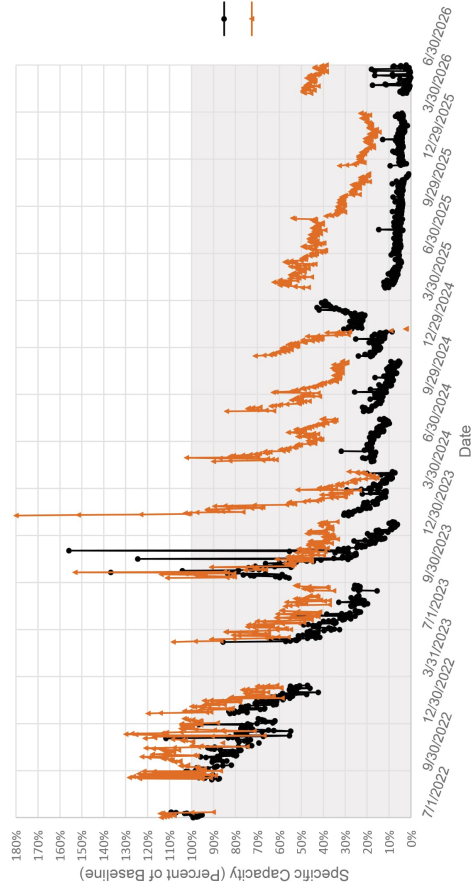
IRZ-20 Injection Screens



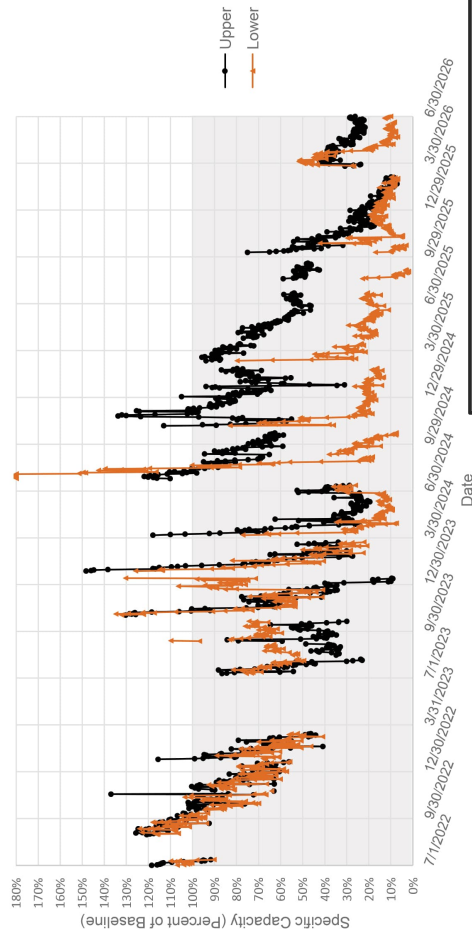
IRZ-29 Injection Screens



IRZ-27 Injection Screens



IRZ-31 Injection Screens



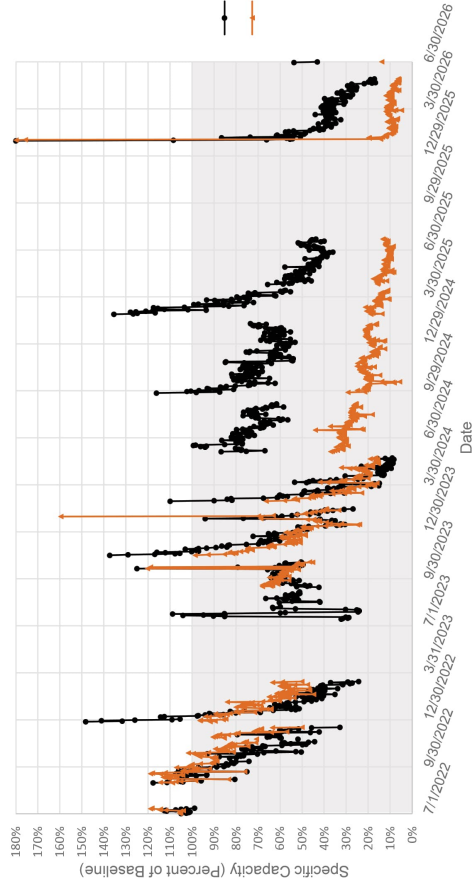
Notes:

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. Displayed notes pertain exclusively to data from the current quarter.

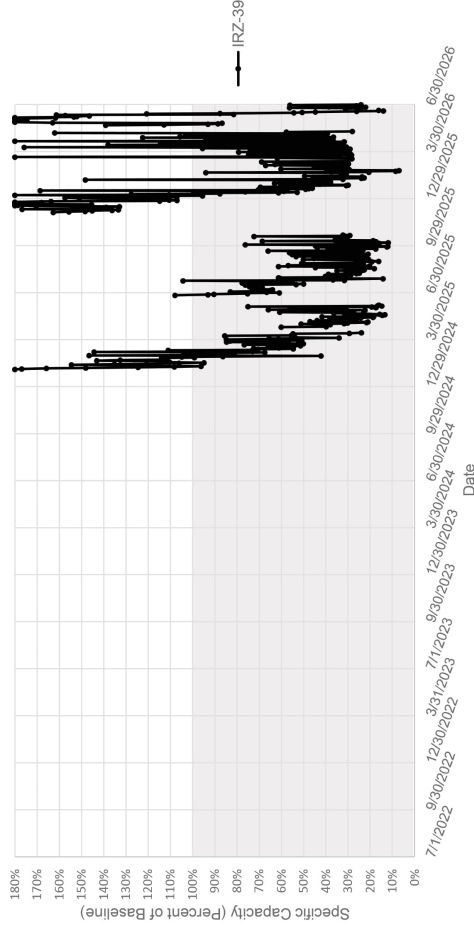
SECOND QUARTER 2026
WELL PERFORMANCE REPORT
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

INJECTION WELL SPECIFIC
CAPACITY TRENDS PART 2

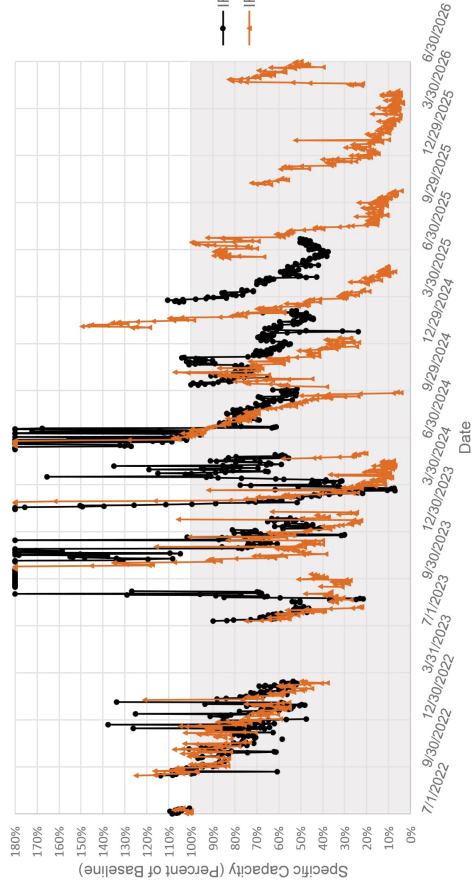
IRZ-33 Injection Screens



IRZ-39 Injection Screens



IRZ-35 and IRZ-37 Injection Screens

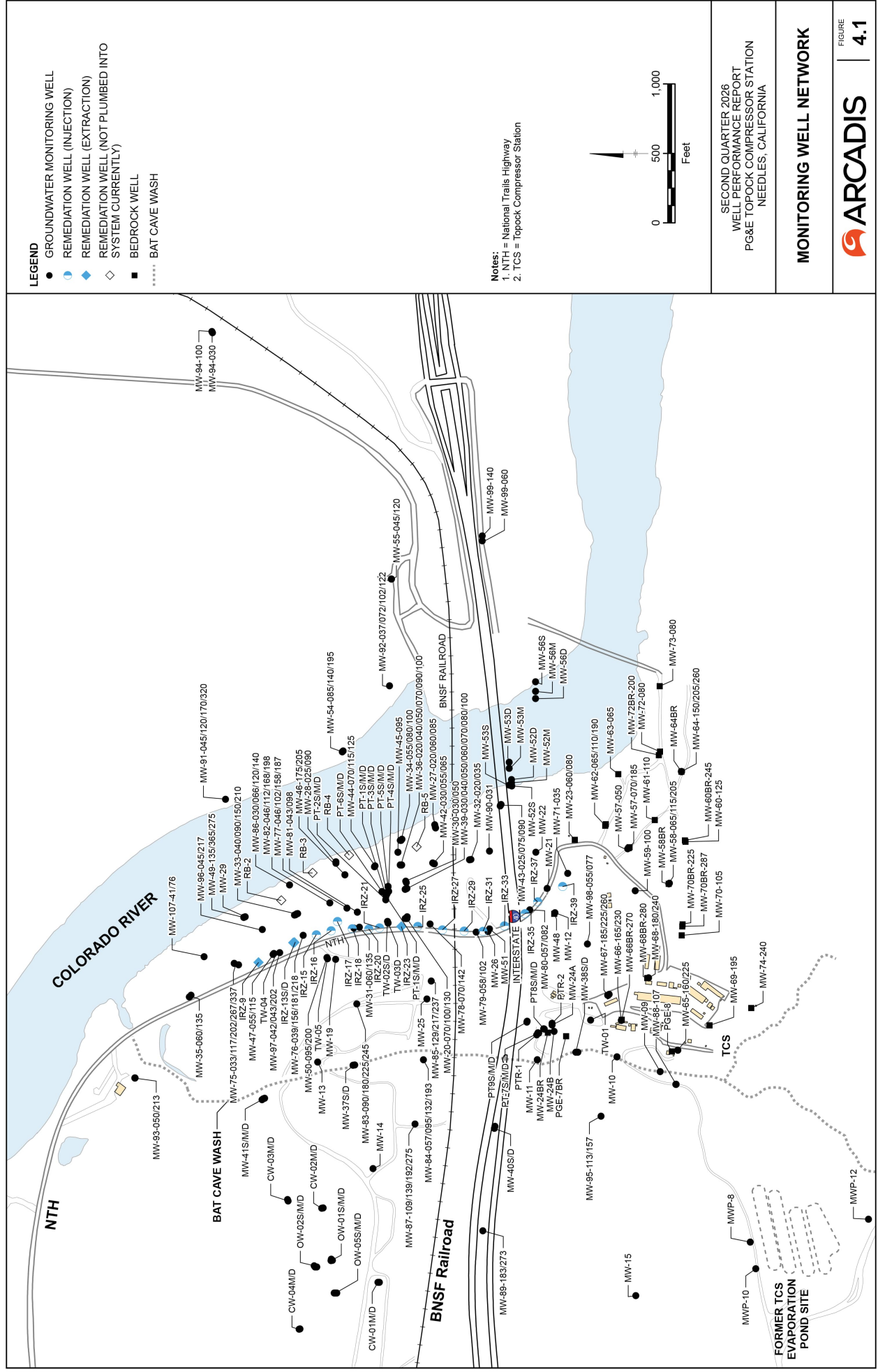


Notes:

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.

SECOND QUARTER 2026
WELL PERFORMANCE REPORT
PG&E TOPOCK COMPRESSOR STATION
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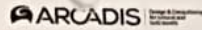
INJECTION WELL SPECIFIC
CAPACITY TRENDS PART 3



Appendix A

MW-38D Redevelopment Log

Attachments



Well Development Record

Project Name: PG&E Topock Phase 2B GW Remedy

Project #: 30306443

Well ID: MW-38D

Page: 1 of 3

Arcadis Oversight/Title: Grant Willford/Project Geo

Measuring Point (MP)
ft. (ags/bgs): 2.25 ft ags

Total Depth
(ft. BMP): 185.20 ft bgs

Screen Interval
(ft. BMP): 163.3 - 183.3 ft bgs

Rig Operator: Jaw: Duarte

Depth to Water
(DTW) (ft. BMP): 70.59 ft bgs

DTW
(ft. bgs): 68.34

Diameter of
Well (inches): 2"

Rig Type: Pulstar P12000

Water Column
Height (ft.): 114.61

Gallons In Well: 18.34
10x = 183.36 gallons

Baller Size &
Volume: 6x 834 x 1.5"
1.564 x 0.20 gallon

Pump Make & Size: MegaMason 2.5"x1.5"

Surge Block Make & Size: 4"x2"

Date: 6/15/26 - 6/16/26

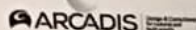
Time	Task	GPM	DTW (ft. BMP)	Total Depth (ft. BMP)	Temp. (°C)	±(0.3) DO (mg/L)	±(3%) Sp. Cond. (µS/cm)	±(0.10) pH	±(10.0) Redox (mV)	±(10%) Turbidity (NTU)	Pump Intake Depth (ft. BMP)	Notes/Gallons Removed/Water Clarity
0945	Initial Tag	/	70.59	185.20	/	/	/	/	/	/	/	Initial tag hard bottom
1049	Bailing R1 Ba:11	/	/	/	31.9	10.32	20805	10.91	50.1	7/000	/	water green fluorescent dye? see photo
1058	Bailing R1 Ba:12	/	/	/	/	/	/	/	/	/	/	/
1106	Bailing R1 Ba:13	/	/	/	/	/	/	/	/	/	/	/
1112	WL/OTO measurement	/	70.59	185.20	/	/	/	/	/	/	/	Hard Bottom
1125	Surge Block Round	/	/	/	/	/	/	/	/	/	/	173.3 - 183.3 ft bgs (lower 10' of well screen)
1216	/	/	/	/	/	/	/	/	/	/	/	143.3 - 173.3 ft bgs (upper 10' of well screen)
1327	WL/OTO measurement	/	70.55	184.80	/	/	/	/	/	/	/	Hard Bottom
0650	WL/OTO measurement	/	70.54	184.30	/	/	/	/	/	/	/	Soft Bottom
0705	Bailing R2 Ba:11	/	/	/	34.1	0.76	17026	8.24	108.3	7/000	/	green from dye, turbid/brown see photo
0713	Bailing R2 Ba:12	/	/	/	/	/	/	/	/	/	/	/
0725	Bailing R2 Ba:13	/	/	/	/	/	/	/	/	/	/	/
0729	Bailing R2 Ba:14	/	/	/	/	/	/	/	/	/	/	/
0735	Bailing R2 Ba:15	/	/	/	/	/	/	/	/	/	/	/
0739	WL/OTO measurement	/	70.67	185.20	/	/	/	/	/	/	/	Hard bottom, 3gal removed softer during bailing

Notes:

see 6/16/26

MW-38D Well Development Record

Attachments



Well Development Record

Project Name: PG&E Topock Phase 2B GW Remedy

Arcadis Oversight: Grant W. Hford

Well ID: MW-38D

Page: 2 of 3

Date: 6/15/26 - 6/16/26

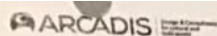
Time	Task	GPM	DTW (ft. BMP)	Total Depth (ft. BMP)	Temp. (°C)	±(0.3) DO (mg/L)	±(3%) Sp. Cond. (µS/cm)	±(0.10) pH	±(10.0) Redox (mV)	±(10%) Turbidity (NTU)	Pump Intake Depth (ft. BMP)	Notes/Gallons Removed/Water Clarity
0745	Swab 2nd round											~173.3-183.3 ft bgs (lower 10' of well screen)
0837	Swab 2nd round											~163.3-173.3 ft bgs (upper 10' of well screen)
0952	DTW/OTB measurement	/	70.62	184.33	/	/	/	/	/	/	/	Soft bottom
0956	Bailing R3 Bail 1	/	/	/	31.9	2.15	18106	8.65	131.3	71000	/	green/brown turbid sludge
1006	Bailing R3 Bail 2	/	/	/								
1010	Bailing R3 Bail 3	/	/	/								
1015	Bailing R3 Bail 4	/	/	/								
1022	Bailing R3 Bail 5	/	/	/	31.8	3.52	25181	9.00	1273	71000	/	green/brown/turbid ~4.5 gallons bailing
1026	DTW/OTB measurement	/	71.10	185.20	/	/	/	/	/	/	/	Hard bottom
1124	Pumping	0.75	70.64								~90	Pump on a pump maxed a 0.75 gpm
1132		/	70.85	/	32.6	3.48	23585	10.52	45.1	991	/	green/brown/8.25 gal purged
1137		/	70.83	/	32.6	1.54	25088	9.73	90.2	71000	/	green/brown/12 gal purged
1142		/	70.77	/	32.5	0.45	26097	8.48	184.9	444	/	slightly clear/15.75 gal
1147		/	70.79	/	32.3	✓	26105	8.35	141.2	249	/	slightly clear/19.5 gal
1152		/	70.79	/	32.4	✗	26136	8.26	144.4	129	/	slightly clear/23.25 gal
1157		/	70.78	/	32.7	0.55	26154	8.22	144.9	63.5	/	clear/27 gal
1202		/	70.78	/	32.5	0.53	26152	8.18	144.8	30.0	/	clear/30.75 gal
1207		/	70.77	/	32.5	0.52	26149	8.14	144.6	14.4	710	lower pump and set clear/34.5 gal
1212		/	70.77	/	32.3	0.51	26140	8.12	144.2	9.50	~110	clear/38.25 gal

Notes: ✗ DO sensor reading negative values; proceeding w/ development not recording values (e.g. 1147)

6/16/26

MW-38D Well Development Record

Attachments



Well Development Record

Project Name: PG&E Topock Phase 2B GW Remedy

Arcadis Oversight: Grant Willford

Well ID: MW-38D

Page: 3 of 3

Date: 6/16/24

Time	Task	GPM	DTW (ft. BMP)	Total Depth (ft. BMP)	Temp. (°C)	±(0.3) DO (mg/L)	±(3%) Sp. Cond. (µS/cm)	±(0.10) pH	±(10.0) Redox (mV)	±(10%) Turbidity (NTU)	Pump Intake Depth (ft. BMP)	Notes/Gallons Removed/Water Clarity
1217	Pumping	0.75	70.77	/	32.3	0.51	26126	8.12	143.2	12.7	~110	Clear / 42 gallons
1222			70.77	/	32.4	0.49	26170	8.07	143.8	8.67	~130	Clear / 45.75 gallons ^{lowered pump ~10ft}
1227			70.77	/	32.3	0.49	26161	8.05	141.8	5.46	~130	Clear / 49.5 gallons
1237			70.78	/	32.3	0.48	26174	8.03	140.3	5.08	~130	Clear / 57 gallons
1242			70.78	/	32.0	0.47	26163	8.02	139.2	4.31	~150	Clear / 60.75 gal / ^{lowered pump ~10ft}
1247			70.78	/	32.0	0.47	26163	8.01	138.5	5.07	~150	Clear / 64.5 gal
1262			70.78	/	32.0	0.47	26177	8.00	137.5	5.55	~150	Clear / 68.25 gal
1257			70.78	/	31.9	0.47	26184	8.04	135.9	9.43	~170	Clear / 72 gal / ^{lowered pump ~10ft}
1302			70.78	/	31.9	0.47	26172	8.00	135.2	5.45	~170	Clear / 75.75 gal
1307			70.77	/	31.7	0.47	26162	8.00	134.1	4.58	~170	Clear / 79.5 gal
1312			70.78	/	31.7	0.46	26171	8.03	131.9	2.10	~180	^{slightly} Clear / 83.25 gal / ^{lowered pump ~10ft}
1317			70.78	/	31.7	0.46	26153	7.99	132.2	2.79	~180	Clear / 87 gal
1322			70.78	/	31.7	0.46	26147	7.98	131.6	9.65	~180	Clear / 90.75 gal
1327			70.76	/	31.7	0.46	26167	7.97	130.6	20.2	~180	Clear / 94.5 gal
1332			70.75	/	31.8	0.46	26173	7.97	130.2	3.43	~180	Clear / 98.25 gal
1342			70.74	/	31.6	0.46	26152	7.97	128.4	3.61	~180	Clear / 105.75 gal
1347			70.74	/	31.6	0.46	26141	7.97	127.8	3.58	~180	Clear / 109.5 gal
1350			/	/								Lowered pump to clear out pump.
1405	Pump off											Completed Development purged ~135 gal

Notes: 1 DO sensor reading negative values; proceeding w/ development not recording value @ 1312

MW-38D Well Development Record

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