



Geologic Energy Management Division

State Oil and Gas Well Abandonment Expenditure Plan and Annual Program Update

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1.0 EXECUTIVE SUMMARY

An orphan well refers to a well deserted by fossil fuel extraction industries, and for which there is no responsible or solvent operator to properly maintain, repair, or plug and abandon. This also applies to well-related facilities including storage and processing units and pipelines. Orphan wells can threaten public health, safety, and the environment. They can leak oil, emit greenhouse gases, and pose physical hazards. The Department of Conservation Geologic Energy Management Division's (CalGEM) State Oil and Gas Well Abandonment program oversees identification and oversees orphan wells and facilities. An oil and gas state abandonment requires the plugging and abandonment (permanent closure and sealing to regulatory standards) of an orphan or deserted- or potentially deserted- oil and gas well through a state contract and decommissioning of associated facilities. If a financially solvent, responsible operator can be identified, CalGEM will first pursue a plug and abandonment action at the operator's expense.

Beginning in 2022, the State Oil and Gas Well Abandonment program began receiving unprecedented amounts of investment funding for orphan wells and facilities remediation. This money stems from State and Federal government sources. These funding sources were first described in the Orphan Well Abandonment program's *State Oil and Gas Well Expenditure Plan*, released in October 2023, and discussed again in Section 6 of this report. Through a selection process based on screening criteria designed to target the remediation of wells and surface facilities for maximum public benefit, CalGEM identified and proposed the first set of well abandonment projects for funding from these sources. In line with the Federal Justice40 initiative, 40 percent of the funds for these initial projects are required to be spent in areas with disadvantaged communities.

This State Oil and Gas Well Abandonment Expenditure Plan and Annual Program Update provides a status update of work performed on the well and facility abandonment projects listed in the Phase 1 Expenditure Plan Wells and Facilities presented in the October 2023 expenditure plan and introduces the new, 2024, Phase 2 Expenditure Plan well projects. Phase 2 includes 204 wells and 74 attendant facilities. Of the 204 wells, 120 or 59% are in within SB 535 Disadvantaged Communities, recognizing and investing in California communities most burdened with and vulnerable to the negative impacts of environmental harm and pollution. A summary table of these proposed Phase 2 well projects are presented in the body of this report.

Introduction

This State Oil and Gas Well Abandonment Expenditure Plan and Annual Program Update provides an update of Phase 1 expenditure activities to date and identifies and proposes new Phase 2 well abandonment projects. Sections 2.0 through 7.0 provide a review of the well abandonment program beginning with a background of the California Geologic and Energy Management Division (CalGEM) and its mandates, an overview of the orphan well issue, a summary of previous state plug and abandon activities, and processes, core objectives of the State Oil and Gas Well Abandonment program, and a review of previous and newly available funding mechanisms. Status updates of pre-existing and Phase 1 plug and abandonment projects are summarized in Section 8.0. Finally, Section 9.0 provides an overview of the second package of proposed projects with scheduled initiation under new funding sources.

2.0 ABOUT THE CALIFORNIA GEOLOGIC ENERGY MANAGEMENT DIVISION

The California Geologic Energy Management Division (CalGEM) of the Department of Conservation protects public health, safety, and the environment while responsibly regulating the companies that produce oil and gas in California and geothermal operations in California. CalGEM employs scientific methods and reliable engineering practices to regulate the drilling, operation, maintenance, and permanent closure of energy resource wells, as well as certain pipelines and surface storage and processing facilities associated with energy resource wells. Its regulatory responsibilities include carrying out inspections, reviewing tests, and permitting and supervising operations.

When CalGEM was first established as the Department of Petroleum and Gas in 1915), the focus of regulation was the protection of oil and gas resources from production practices that could harm levels of hydrocarbon recovery. Early oil and gas regulations included well spacing requirements and authority to limit production rates.



Since its inception, CalGEM has grown considerably and has taken major steps to ensure that it meets public expectations of a modern, efficient, collaborative, and science-driven regulatory agency. Significantly, in 2019, the CalGEM's mission was revised to include the protection of public health and safety, and environmental quality. This revised mandate includes the reduction and mitigation of greenhouse gas emissions associated with the development of hydrocarbon and geothermal resources in a manner that meets the energy needs of the state.

CalGEM Districts

Effective 2021, CalGEM operates out of three distinct districts to best serve the needs of the state: these are designated as the Northern, Central (formerly Inland), and Southern districts. Each district has its own offices from where staff are available to assist the public and interested parties. For more information about CalGEM, visit <https://www.conservation.ca.gov/calgem>.

3.0 OVERVIEW OF ORPHAN WELL PROBLEM

Oil production's decline in California over the past several decades has led to an increasing number of idle (non-producing) wells. While many operators manage their idle wells in accordance with state regulations, including maintenance, reporting, and fees, many wells have become "orphaned". Operators' lack of financial solvency is perhaps the most recurring reason.

"Orphan" wells and facilities have no responsible, solvent operator to maintain, repair, or plug and abandon them. These wells can leak oil, emit air emissions, including methane- a potent greenhouse gas- and pose physical hazards, potentially threatening public health, safety, and the environment. In the absence of a solvent responsible party, the state, through CalGEM, must assume the responsibility of eliminating risks and hazards associated with these wells and facilities.

Another category of wells that CalGEM may plug and abandon are "deserted" wells. These are wells that have not been maintained in compliance with CalGEM's regulations and are determined to be deserted as demonstrated by an operator's failure to adequately respond to a final Plugging and Abandonment Order. Deserted wells, unlike orphan wells, are wells that CalGEM has not yet determined to be orphaned, pending reasonable efforts to identify a legally responsible party with financial resources that can be leveraged to fund the plugging and abandonment work. If the operator does not plug and abandon the wells following a Plug and Abandonment Order, CalGEM has the authority to plug and abandon the deserted wells, and to recoup costs from the identified operator and other responsible previous operators.

CalGEM has estimated that there are currently more than 5,300 orphan or likely orphan wells throughout the state and has created an inventory of these wells. With limited state and federal dollars available to tackle such a large inventory of orphan wells, CalGEM must prioritize projects that efficiently minimize health and safety hazards presented by orphan wells.

4.0 STATE ABANDONMENT HISTORY AND PROCESS

Since 1977, and prior to current Phase 1 plug and abandon activities, CalGEM has plugged and abandoned on the order of 1,400 wells at a cost of some \$29.5 million. In the past, CalGEM staff would identify wells appropriate for state abandonment by relying on site inspections and recommendations from District staff.

In 2022 CalGEM began receiving unprecedented levels of funding—from a new Federal grant opportunity, through the 2022/2023 California State Budget, and from legislation aimed at increased industry contributions for State abandonments. Along with these new allocations, Public Resources Code section (PRC) 3258, subdivision (d) required CalGEM to develop criteria for determining the priority of wells for plug and abandonment, CalGEM is taking a more systematic approach to identifying and addressing orphan wells across California in a manner that focuses on those wells that might pose the most risk to California communities, and to ensure communities across California benefit, including those most vulnerable to pollution.

CalGEM developed a methodology to prioritize orphan wells to be plugged and abandoned. With thousands of wells to plug, and finite resources to do it, CalGEM's methodology aims to ensure monies expended for state abandonment maximize benefits to California communities. This includes reflecting climate benefits, equity, environmental protection, community perspective, public health and safety, and ensuring industry responsibility and the efficient use of limited resources.

CalGEM's methodology includes a two-phased approach to prioritize wells for state plugging and abandonment that may pose the greatest risk to public health, safety, and the environment, while also taking into consideration the concerns of the local jurisdictions and communities, and economic efficiencies associated with the ordering of well abandonments. The final methodology was issued in February 2023.

The methodology to screen, rank, and prioritize California's more than 5,300 orphan and likely orphan wells to be considered for permanent plug and abandonment includes the following two phases.

Phase 1: an initial technical screening of all wells according to California

Code of Regulations, title 14, section 1772.4, CalEnviroScreen 4.0, and public feedback. This phase was completed in February 2023.

Phase 2: a secondary evaluation incorporating local government and additional public feedback on the provisional ranking of Phase 1. This phase includes:

- a. Holding public engagement meetings,
- b. Soliciting feedback from the public through a dedicated listserv (CalGEMOrphanWells@conservation.ca.gov);
- c. Soliciting feedback from CalGEM District staff;
- d. Prioritizing wells that benefit disadvantaged communities and geographic equity;
- e. Efficient use of funds by grouping accessible wells within close proximity to each other;
- f. Unique wellsite characteristics, such as population dense areas, reservoir characteristics (e.g. if reservoir is known to contain sour gas), and history of noncompliance issues at the site.

Additional information on the methodology can be found on CalGEM's web page at: <https://www.conservation.ca.gov/calgem/Pages/Orphan-Well-Screening-Methodology.aspx>

5.0 PROGRAM OBJECTIVES

The State Oil and Gas Abandonment program operates under a set of program objectives focusing on environmental protection, public health, equity, and workforce development. These objectives are described below.

1. **Reduce Risks to Californians:** CalGEM prioritizes projects that reduce the environmental and public health risks of orphan and deserted wells.
2. **Equity:** CalGEM is committed to implementing the orphan well program in a way that protects disadvantaged communities, in support of programs such as the Federal Justice40 Initiative.

The Federal government's Justice40 Initiative requires that 40 percent of the overall benefits of received Federal monies flow to disadvantaged

communities that are marginalized, underserved, and overburdened by pollution. Where the Federal government provides disadvantaged community designations for the entire nation, to meet the Federal requirement, and to meet our program goal for all the money regardless of source, CalGEM uses CalEnviroScreen and Senate Bill 535 (2012) Disadvantaged Communities data and map to identify those communities.

3. **Geographic Balance:** CalGEM takes into consideration geographic location when identifying proposed State abandonment projects to ensure communities across California benefit from the program.
4. **Reduce Greenhouse Gas Emissions:** CalGEM is committed to addressing methane leaks from oil and gas infrastructure. CalGEM will require methane testing as part of all State abandonment projects.
5. **Support High Wage Job Opportunities:** The recent and unprecedented level of Federal and State funding available for oil well capping in California is an opportunity the State will leverage to provide high-quality job opportunities for those transitioning out of oil and gas production. Recognizing this opportunity, Senate Bill 1295 (Limón, Chapter 844, Statutes of 2022) requires CalGEM-administered work to plug and abandon wells, decommission production facilities, or otherwise remediate well sites to be considered public work. As such, all contractors are required to pay prevailing wages and comply with apprenticeship utilization requirements for public works projects. To meet this, CalGEM is ensuring all contracts entered for state abandonment work contain prevailing wage requirements (see contract process section).

In addition, SB 1295 requires CalGEM, after January 1, 2028, to ensure that contractors selected to carry out state abandonment work enter into a project labor agreement that expressly requires each contractor and subcontractor performing the work to use a skilled and trained workforce. CalGEM, with assistance from the Labor and Workforce Development Agency (LWDA), including the California Workforce Development Board (CWDB), will develop a procurement process for projects involving the plugging and abandonment of wells, decommissioning of production facilities, and remediation of oil and gas leases that require contractors performing the work to use project labor agreements under which to

deliver those projects. By January 1, 2028, CalGEM will require in its contract provisions that contractors and any subcontractors at every tier will use a skilled and trained workforce to perform all work on the project or contract that falls within an apprenticeable occupation in the building and construction trades, in accordance with Chapter 2.9 (commencing with Section 2600) of Part 1 of Division 2 of the Public Contract Code. In addition to the efforts above to create high-paying jobs for oil and gas workers, there is also a need to provide training to workers to take on these jobs. Recognizing this, the 2022/2023 State Budget appropriated \$20 million in one-time General Fund to CWDB to create a workforce training pilot to train displaced oil and gas workers in Kern and Los Angeles Counties in remediating legacy oil infrastructure. The Oil and Gas Well Capping Pilot initiative aims to assist state-registered apprenticeship programs in creating curricula for training apprentices and to upskill journeypersons on well capping projects. CalGEM and CWDB will continue to work together to improve workforce education and training programs for incumbent and entry-level workers that support or advance high-quality work performance and increase priority populations' access to high-quality jobs associated with the plugging and abandonment of wells, decommissioning of production facilities, and remediation work.

Across these efforts, CalGEM aims to align with and support the development of High Road Training Partnerships and Construction Careers [CA Unemployment Insurance Code Section 14005, subd. (s),(t)] and to partner with LWDA and CWDB to explore options to accelerate opportunities for workers and position California as a leader in both orphan well remediation and workforce training to provide oil and gas workers with high-quality jobs amid the transition away from fossil fuel production.

6.0 VARIOUS STATE AND FEDERAL FUNDING SOURCES AND USES

Beginning in 2022, CalGEM began receiving an influx of new investment funding for orphan well and facilities remediation from State and Federal government sources, as first described in the program's, *State Oil and Gas Well Expenditure Plan*, released in October 2023. In addition to the Federal Infrastructure Investment and Jobs Act (IIJA) formula grants discussed at the end of this section, there are currently four sources of funds available to be used by

CalGEM to conduct State abandonments:

1. The Oil, Gas, and Geothermal Administrative Fund (OGGA) is funded by operator assessment fees. Starting with the 2021/2022 fiscal year, expenditures from this fund to plug and abandon wells are capped at five million dollars per year (PRC, 3258, subd. (a)).
1. The Hazardous and Idle-Deserted Well Abatement Fund (HIDWAF) is funded by operator idle well fees and continuously appropriated to CalGEM to plug and abandon wells to mitigate a hazardous or potentially hazardous condition. There are, however, limitations to spending from the HIDWAF – as the well to be plugged and abandoned must be a well of an operator that was subject to the requirements of PRC 3206.
2. As part of the California state budget, a total of \$100 million from the State's General Fund was allocated to plug and abandon orphan and deserted wells.
3. In August of 2022, California was awarded \$25 million in initial grant funding from the federal government's orphan well program authorized in the bipartisan Infrastructure Investment and Jobs Act. California is eligible for an additional \$140 million in future grants in addition to the \$25 million California already received. This funding source is explained in more detail below.

Federal Grant Applications

The 2021 Federal Infrastructure Investment and Jobs Act (IIJA) includes \$4.7 billion nationwide over a ten-year period for well plugging, remediation, and restoration. Funding for formula grants is distributed between states, based in part on state-specific numbers of oil and gas jobs (including jobs lost in the sector), the total number of orphaned wells, and the total cost estimated to plug and abandon those wells. California has been notified of eligibility to receive \$165.8 million in the first two phases of the program, with additional funding to be allocated in later phases. Restrictions on the use of the funding require states to use no more than 10% of the funds for administrative costs.

In August 2022, the US Department of the Interior (DOI) awarded California the

maximum initial grant eligibility amount of \$25 million. These funds are earmarked for CalGEM and available in the Federal grant financial allocation system; when invoices are received, the amount will be drawn down and transferred to California's Federal Trust Fund account within one to two days.

In July 2023, the US Dept. of Interior opened the application period for the first 25% of the \$140M formula grant monies. In May 2024, the US Dept. of Interior announced California will receive the first tranche of \$35M. CalGEM will be applying for the next three tranches in upcoming years.

7.0 PHASE 1 AND PHASE 2 PROJECTS

Following the completion of its screening and prioritization efforts, CalGEM conducted a thorough review of the highest priority wells and identified a package of early projects to kick off its expanded state abandonment program. These Phase 1 wells were then reviewed with local governments and community groups.

Phase 1 included the plugging and abandonment of 378 wells and the decommissioning of 51 attendant production facilities across California. The majority of these wells are some of the highest-risk wells in the State, as they rank in the top two tiers of CalGEM's risk-based initial screening method used to help prioritize wells statewide. These wells were identified as higher risk because they have had a history of leaks or compliance issues, and because they are located near California communities (within 3,200 feet of schools, homes, and health care facilities)—making them a top priority.

Phase 2 includes the remaining highest-risk wells and production facilities along with wells in close proximity to these highest-risk wells. Phase 2 is comprised of 217 wells and 74 facilities in 17 counties. A list of the wells and production facilities may be found in Appendix A.

8.0 UPDATE ON CURRENT STATE ABANDONMENT PROJECTS

This section summarizes both ongoing projects and work folding into the proposed Phase 1 2023 expenditure plan orphan well abandonment projects. The Phase one projects will include the abandonment of 378 of the State's highest-priority orphan wells and the decommissioning of 51 facilities. These wells and facilities are located throughout six counties, with an estimated Plug and

Abandonment cost of approximately \$80 million dollars. In accordance with the 2023 expenditure plan, CalGEM entered into contracts for abandonment projects in the first quarter of 2024, with on-site well work anticipated to begin in the third quarter of 2024.

HVI Cat Canyon, Inc. Update

HVI Cat Canyon, Inc. (formerly Greka), previously operated the Cat Canyon, Santa Maria Valley, and Casmalia oil fields in the northern section of Santa Barbara County, near the cities of Santa Maria and Orcutt. HVI Cat Canyon, Inc. had a history of violations and significant legal non-compliance issues with multiple state agencies, including a historically poor track record in well management and maintenance, with numerous well leaks, and broken pipelines. Many of the HVI Cat Canyon, Inc. wells are near environmentally sensitive areas, with sensitive receptors including biological resources and agricultural workers.

In September 2021, CalGEM issued an Order to HVI Cat Canyon, Inc. to plug and abandon all 210 of its wells, decommission production facilities, and restore lease and well sites to current regulatory standards. By this time HVI Cat Canyon, Inc. was undergoing Chapter 7 bankruptcy (filed in 2019), ultimately leaving the state with the 210 orphan wells as a state liability.

CalGEM proposed to plug and abandon 171 wells previously operated by HVI Cat Canyon, including the removal of associated pipelines and facilities as part of the first phase of the current state abandonment project. The remaining 38 wells were proposed for closure in a subsequent phase. The proposed wells to abandon in Phase 2 has since been revised downward to 11 wells. The revision is because some of the remaining wells were sold by HVI Cat Canyon to Angel Petroleum and some of the remaining wells were formerly operated by a company whose assets were eventually transferred to California Resources Corporation. There are ongoing discussions about how the California Resources wells will be handled.

In August 2022, CalGEM executed a contract to abandon the 171 HVI Cat Canyon wells, with a scheduled completion date of December 31, 2024. One additional HVI Cat Canyon well (the “Nodlew” 1 well) was identified and remediated on a standalone, short-duration, contract to expedite the cessation of a gas leak. All 172 HVI Cat Canyon wells will have been plugged and abandoned.

Caltico Oil Corporation Update

In June 2020, CalGEM issued a plug and abandonment Order to Caltico Oil Corporation (Caltico). The Order was for 55 wells in the Placerita Oil Field in northern Los Angeles County, near Santa Clarita. These wells and facilities have been designated as non-compliant since 2016. In February 2021, CalGEM determined that these wells and facilities were orphaned, having no responsible operator with the financial resources to cover the cost of their plugging and abandonment.

By April 2024, all 55 Caltico wells had been plugged and abandoned. While abandoning the wells in the Placerita Field, an additional well previously operated by Century Oil Company was found and deemed orphaned. This well was also plugged and abandoned. In addition, two more wells were discovered in the Placerita Field during the selection process for the Phase 2 project wells. These two wells will be plugged and abandoned during Phase 2 work.

AllenCo Energy, Inc Update

The St. James facility is situated in the Las Cienegas Oil Field in South Central Los Angeles. It was formerly operated by AllenCo Energy, Inc. (AllenCo). The facility comprises 21 wells along with various process and storage tanks, located on the southeast corner of St James Pl and W 23rd St. in a primarily residential and mixed land-use area. Notably, this facility is located within a SB 535 Disadvantaged Community.

CalGEM and other state agencies have previously taken numerous enforcement and legal actions in response to multiple AllenCo violations of California's oil and gas laws, public health and safety laws, air and water quality protection laws, and fire and safety, and odor regulations. The local community has filed many complaints (primarily regarding fugitive odors and alleged unexplained occurrence of health issues in neighboring areas) and has called for the cleanup of this site on multiple occasions.

In September 2019, CalGEM issued an Order to AllenCo (Remedial Order No. 1162) to perform remedial work, including depressurizing and 'killing' the site wells. Killing a well involves placing a fluid column (typically heavy mud) inside the well to hydrostatically equilibrate well pressure with formation pressure, bringing surface pressure to zero. AllenCo made no effort to comply with this Order. AllenCo's failure

to comply with the previous Order and failure to pay required idle well fees, demonstrated to CalGEM credible and conclusive evidence of desertion. Consequently, in 2020, CalGEM issued AllenCo an Order (Order 1174) to completely decommission the facility, including plugging and abandoning the 21 wells, decommissioning the facility, and restoring the well site.

As a result of the operator's inaction to fulfill the requirements of the Orders, between October and December 2022, a state-funded remediation contractor completed the depressurization of the 21 wells.

A CalGEM inspection in October 2023, noted that two wells, St. James 10 (SJ10) and St. James 14 (SJ14) showed elevated surface pressures. These elevated pressures indicated that the 2022 well-kill operations were not entirely successful for these wells. On November 8, 2023, CalGEM issued an emergency intervention contract to further remediate the two problematic wells.

Work to plug and abandon wells SJ10 and SJ14 under the emergency contract is nearly complete at the time of this report. Mitigation of the immediate risks associated with elevated well pressures and gas leakage have been successfully completed. However, CalGEM notes that the source of the gas causing elevated pressures at wells SJ10 and SJ14 is still currently undetermined. If the source stems from a zone that spans the field, there is a possibility that similar pressures may appear in the surface casing annulus of the remaining 19 wells to be abandoned.

CalGEM is currently monitoring pressures and gas on all the wells pending the planned remediation of the remaining 19 wells starting in the third quarter of 2024.

9.0 OVERVIEW OF THE SECOND PACKAGE OF PROPOSED PROJECTS

Table 1, on the following page, summarizes the Phase 2 well projects proposed in this 2024 expenditure plan. It includes the abandonment of 204 of the State's highest-priority orphan wells and decommissioning of 74 facilities.

Table 1: Phase 2 Expenditure Plan Wells and Facilities

Operator	District	County	Field	Spend Plan Year	Total Number of Wells
Allied Energy Corp.	Northern	Madera	Chowchilla Gas	2025	2
Ample Resources, Inc.	Northern	Ventura	Temescal	2025	14
Arco Oil and Gas Co.	Northern	Ventura	Rincon	2025	1
Binion Exploration & Development	Central	Tulare	Deer Creek	2025	4
Caltico Oil Corp.	Northern	Los Angeles	Placerita	2025	2
Citadel Exploration, Inc.	Central	Kern	Any Field	2025	1
Citizens Oil & Land Corp.	Southern	Los Angeles	Any Field	2025	1
Clofas Case Oil Co.	Central	Fresno	Burrel, Southeast	2025	3
Coast Range Oil Co.	Central	Fresno	Coalinga	2025	10
Crockett Drilling Synd., Inc.	Northern	Tehama	Any Field	2025	1
Dennis C. Franks	Central	Tulare	Deer Creek	2025	3
Dynasonics Corporation	Central	Tulare	Deer Creek	2025	1
Easton & Smith et al	Southern	Los Angeles	Any Field	2025	1
Freedom Oil Company, LLC	Central	Kern	Welcome Valley	2025	15
G. H. Preuitt	Central	Kern	Midway-Sunset	2025	6
Golden Bee, Inc.	Southern	Orange	Huntington Beach	2025	1
Golden Valley Energy, LLC	Central	Kern	Edison, Mountain View	2025	3
H.L. Hall & Sons, LLC	Central	Kern	Midway-Sunset	2025	1
Harris Rogalske	Southern	Los Angeles	Salt Lake	2025	1
Harry B. Mortimer & R. L. Rasmussen	Southern	Imperial	Any Field	2025	1
HVI Cat Canyon, Inc.	Northern	Santa Barbara	Santa Maria Valley, Cat Canyon	2025	11
Imperial Occidental	Southern	Los Angeles	Long Beach	2025	2
John F. Sheran	Southern	San Diego	Any Field	2025	1
Lena Pauline Savage	Southern	Los Angeles	Whittier	2025	1
Liu, Cheng and Lin	Southern	Los Angeles	Canoga Park	2025	1
Mills Petro. Co.	Southern	Los Angeles	Inglewood	2025	1
North Valley Gaswell Services	Northern	Tehama	Kirkwood Gas	2025	1
Overthrust Exploration Inc	Southern	San Bernardino	Any Field	2025	1
P. M. Peterson	Southern	San Bernardino	Any Field	2025	1
Peak Operator LLC	Northern	Ventura	Saticoy	2025	2
Princeton Natural Gas, LLC	Northern	San Joaquin	King Island Gas	2025	1
Reserve Petroleum California, Inc.	Central	Kern	Mountain View	2025	4
Sacramento Energy, Inc.	Central	Kern	Mountain View	2025	1
SMG Oil, LLC	Northern	Ventura	Eureka Canyon	2025	9
Solimar Energy, LLC	Central	Kern	Any Field	2025	6
Sunray Petroleum, Inc.	Central	Kern	Rosedale, Strand	2025	5
Temblor Petroleum Co. LLC	Central	Fresno	Any Field	2025	4
The Nahabedian Exploration Group, LLC	Northern	Solano, Tehama	Lindsey Slough Gas, Any Field	2025	2
Thompson & McNickels	Northern	San Mateo	Half Moon Bay	2025	1
Tri-Valley Oil & Gas Co.	Northern	San Joaquin, Ventura, Madera	Moffat Ranch Gas, Oxnard, Any Field	2025	9
Underground Energy, Inc.	Northern	Merced	Any Field	2025	1
Valid Energy Company	Central	Fresno, Kern	Gujarral Hills, Edison, Kern Bluff	2025	12
Western Pacific Oil Co.	Southern	San Bernardino	Any Field	2025	1
Windrush Operating Co, LLC	Central	Kings	Tulare Lake	2025	8
Zynergy, LLC	Central	Kern	Midway-Sunset, Any Field	2025	46

In a similar approach to that adopted in determining the Phase 1 project wells,

CalGEM conducted a thorough review of the highest priority wells based on risk and identified this package of proposed second projects to continue to advance the state abandonment program. These identified wells include wells reviewed in cooperation with local governments and community groups.

Phase 2 will include the plugging and abandonment of 204 wells and the decommissioning of approximately 74 attendant production facilities across California. The wells are the remaining high-ranked top two tiers of CalGEM's risk-based initial screening, that were not included in the scope of Phase 1. These wells were prioritized as higher risk because of their history of leaks or other compliance issues, and because they are located near California communities (within 3,200 feet of schools, homes, and healthcare facilities). A list of the wells and production facilities proposed for state abandonment, including which tier the well and facility falls in CalGEM's risk-based initial screening, is found in Appendix A.

These well locations are distributed across all three CalGEM districts, with a concentration in Kern, Los Angeles, Orange, Ventura, Fresno, and Santa Barbara counties.

This package of proposed projects has 120 of the 204 wells (59%) within SB 535 Disadvantaged Communities, recognizing and investing in California communities most burdened with and vulnerable to the negative impacts of environmental harm and pollution.

The following are brief descriptions of the proposed Phase 2 wells for state abandonment, listed by the operator of record. CalGEM may group these wells differently for purposes of efficiencies that may exist due to geographic proximity, difficulty of abandonment, or other factors.

Citizens Oil & Land Corp., 1 well in Los Angeles County

Citizens Oil & Land Corp. has one well included in Phase 2 of the State Oil and Gas Abandonment program in Los Angeles County. This well is in an unidentified field, has been idle for over 91 years, and the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment.

Easton & Smith et al, 1 well in the City of Calabasas, Los Angeles County

Easton & Smith et al has one well included in Phase 2 of the State Oil and Gas Abandonment program in the City of Calabasas, Los Angeles County. This well is in an unidentified field within a seismic hazard area, has been idle for over 19 years, and the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment.

Golden Bee, Inc., 1 well in the City of Huntington Beach, Orange County

Golden Bee, Inc. has one well included in Phase 2 of the State Oil and Gas Abandonment program in the City of Huntington Beach, Orange County. This well is in the Huntington Beach Field and has been idle for over 5 years. The well is in close proximity to houses. The operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment.

On June 16, 2023, the Acting State Oil and Gas Supervisor, issued Order No. 1306 to Golden Bee, Inc. the last known operator as determined by the records of the Supervisor, to plug and abandon "Pursell" 1, API 0405902213, decommission attendant facility, and restore the well site pursuant to Public Resources Code (PRC) section 3237. On July 3, 2023, Order No. 1306 became final.

Harris Rogalske, 1 well in the City of Los Angeles, Los Angeles County

Harris Rogalske has one well included in Phase 2 of the State Oil and Gas Abandonment program in the City of Los Angeles, Los Angeles County. This well is in the Salt Lake Field within a seismic hazard zone, has been idle for over 84 years, and the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment.

Harry B. Mortimer & R. L. Rasmussen, 1 well in Imperial County

Harry B. Mortimer & R. L. Rasmussen have one well included in Phase 2 of the State Oil and Gas Abandonment program in Imperial County. This well is in an unidentified field, has been idle for over 42 years, and the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment.

Imperial Occidental, 2 wells and 1 onsite tank facility in the City of Signal Hill, Los Angeles County

Imperial Occidental has two wells and one tank facility setting included in Phase 2 of the State Oil and Gas Abandonment program in the City of Signal Hill, Los Angeles County. These wells are in the Long Beach Field, have been idle for over 9 years, and the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment.

On July 21, 2023, the former Acting State Oil and Gas Supervisor issued Order No. 1322 to Imperial Occidental, Inc., the last known operator as determined by the records of the Supervisor, to plug and abandon the "Gray Fox" 1 (API 0403711340) and the "Simplex" 4, (API 0403709188) wells, decommission the attendant facility, and restore the well sites pursuant to Public Resources Code (PRC) section 3237. On August 7, 2023, Order No. 1322 became final.

John F. Sheran, 1 well in San Diego County

John F. Sheran has one well included in Phase 2 of the State Oil and Gas Abandonment program in San Diego County. This well is in an unidentified field, has been idle for over 142 years, and the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment.

On June 22, 2022, the State Oil and Gas Supervisor issued Order No. 1272 to John F. Sheran, the last known operator as determined by the records of the Supervisor, to re-abandon the well Sheran 1 (API Number 07300046) and restore the well site pursuant to Public Resources Code (PRC) section 3208.1. No appeal was received and on July 24, 2022, Order No. 1272 became final.

Lena Pauline Savage, 1 well in the City of Whittier, Los Angeles County

Lena Pauline Savage has one well included in Phase 2 of the State Oil and Gas Abandonment program in the City of Whittier, Los Angeles County. This well is in the Whittier Field, has been idle for over 45 years, and the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with

CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment.

On March 11, 2020, CalGEM issued Order No. 1160 to Lena Pauline Savage, the last known operator as determined by the records of the Supervisor, to plug and abandon the well, decommission the facilities, and restore the well site at the well "Unspecified Lease" 1 (API No. 0403718753) pursuant to Public Resources Code (PRC) section 3237. On April 15, 2020, Order No. 1160 became final.

Liu, Cheng and Lin, 1 well in Los Angeles County

Liu, Cheng and Lin has one well included in Phase 2 of the State Oil and Gas Abandonment program in Los Angeles County. This well is in the Canoga Park Field within a seismic hazard zone, has been idle for over 42 years, and has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations, and the well is therefore being considered for plug and abandonment.

On October 25, 2022, CalGEM issued Order No. 1164 to Liu, Cheng and Lin, the last known operator as determined by the records of the Supervisor, to plug and abandon the well Lucky Star 1, API 0403701167, de-commission attendant facilities, and restore the well sites pursuant to Public Resources Code (PRC) section 3237. Order No. 1164 became final on November 11, 2019.

Mills Petro. Co., 1 well in the City of Inglewood, Los Angeles County

Mills Petro. Co. has one well included in Phase 2 of the State Oil and Gas Abandonment program in the City of Inglewood, Los Angeles County. This well is in the Inglewood Field, has been idle for over 55 years, and the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulation and therefore the well is being considered for plug and abandonment.

On June 15, 2022, the State Oil and Gas Supervisor issued Order No. 1270 to Mills Petroleum Company, the last known operator as determined by the records of the Supervisor, to plug and abandon the well, decommission the attendant facility, and restore the well site at the Nudson Well #1, API 03707382 pursuant to Public Resources Code (PRC) section 3237. On July 15, 2022, Order No. 1270 became final.

Overthrust Exploration Inc., 1 well in San Bernardino County

Overthrust Exploration Inc. has one well included in Phase 2 of the State Oil and Gas Abandonment program in San Bernardino County. This well is in an unidentified field, has been idle for over 45 years, and the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment. This well is in a SB 535 Disadvantaged Communities location.

CalGEM issued Order No. 1298 to Overthrust Exploration Inc., the last known operator as determined by the records of the Supervisor, to plug and abandon the well Lainfair 1, API 0407120055, decommission attendant facilities, and restore the well sites pursuant to Public Resources Code (PRC) section 3237. Order No. 1298 recently became final.

P. M. Peterson, 1 well in San Bernardino County

P. M. Peterson has one well included in Phase 2 of the State Oil and Gas Abandonment program in San Bernardino County. This well is in an unidentified field, has been idle for over 91 years, and the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment.

Western Pacific Oil Co., 1 well in San Bernardino County

Western Pacific Oil Co. has one well included in Phase 2 of the State Oil and Gas Abandonment program in San Bernardino County. This well is in an unidentified field, has been idle for over 45 years, and the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment. This well is in a SB 535 Disadvantaged Communities location.

Allied Energy Corp., 2 Wells in Madera County

Allied Energy Corp has two wells included in Phase 2 of the State Oil and Gas Abandonment program in Madera County. These wells are in the Chowchilla Gas Field. One well has been idle for over 14 years and the other over 43 years. One well is 52 years old, the other is 70 years old. The operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the wells are being considered for plug and abandonment. These wells are in a SB 535 Disadvantaged Communities location.

Ample Resources, Inc., 14 Wells and facilities in Ventura County

Ample Resources, Inc. has 14 wells included in Phase 2 of the State Oil and Gas Abandonment program in Ventura County. These wells are in the Temescal Field and have been idle for periods ranging from ranging between 2 to over 23 years,

and with ages ranging from 19 to 95 years. The operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the wells are being considered for plug and abandonment. All but one of these wells are in a SB 535 Disadvantaged Communities location and 5 wells have reported historical well leaks.

Crockett Drilling Synd., Inc., 1 Well in Tehama County

Crockett Drilling Synd., Inc. has one critical well located in an environmentally sensitive area included in Phase 2 of the State Oil and Gas Abandonment program in Tehama County. This well is in an unidentified field and has been idle for over 89 years. The well is 93 years old, and the operator is non-compliant with idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment.

On July 1, 2022, State Oil and Gas Supervisor issued Order No. 1271 to Crockett Drilling Syndicate, Inc., the last known operator as determined by the records of the Supervisor, to plug and abandon Well #3, API 0410300219, decommission the attendant facility, and restore the well site pursuant to Public Resources Code (PRC) section 3237. On August 12, 2022, Order No. 1271 became final.

North Valley Gaswell Services, 1 Well and facility in Tehama County

North Valley Gaswell Services has one well included in Phase 2 of the State Oil and Gas Abandonment program in Tehama County. This well is in the Kirkwood Gas Field, has been idle for 5 years, is 42 years old, and the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment.

Princeton Natural Gas, LLC, 1 Well and facility in San Joaquin County

Princeton Natural Gas, LLC has one well included in Phase 2 of the State Oil and Gas Abandonment program in San Joaquin County. This operator had a previous plug and abandon Order (Order#1138) for other wells. This well is in the King Island Field, has been idle for 6 years, is 38 years old, and the operator has not been compliant in paying idle well fees. This operator has been non-compliant with CalGEM's oil and gas regulations between 2019-2023 and the well therefore is

being considered for plug and abandonment. This well is in a SB 535 Disadvantaged Communities location.

SMG Oil, LLC, 9 Wells in Ventura County

SMG Oil, LLC has 9 wells located in a seismic hazard zone included in Phase 2 of the State Oil and Gas Abandonment program in Ventura County. These wells are in the Eureka Canyon Field, and have been idle ranging from approximately 2 years, to over 12 years. The wells are 42 years old, and the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the wells are being considered for plug and abandonment. As of March 19th, 2024, a civil penalty is in progress for deficiency with reporting requirements. One well had a historical well leak.

The Nahabedian Exploration Group, LLC, 2 Wells and facility in Solano and Tehama Counties

The Nahabedian Exploration Group, LLC has two wells included in Phase 2 of the State Oil and Gas Abandonment program in Solano and Tehama County. These wells are in the Lindsey Slough Gas Field and an unidentified field, have been idle for 8 and 21 years, with ages of 14 and 25 years old, and the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the wells are being considered for plug and abandonment. As of April 3, 2024, a civil penalty is in progress for deficiency with reporting requirements. One well is in a SB 535 Disadvantaged Communities location.

Thompson & McNickels, 1 Well in San Mateo County

Thompson & McNickels has one well in an environmentally sensitive area and a seismic hazard zone included in Phase 2 of the State Oil and Gas Abandonment program in San Mateo County. This well is in the Half Moon Bay Field, the well is 93 years old, has been idle most of its life and the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment.

On May 19, 2021, the State Oil and Gas Supervisor, issued Order No. 1196 to Thompson and McNickels, the last known operator as determined by the records of the Supervisor, to plug and abandon "Butts" 2, API 0408120066, decommission

attendant facilities, and restore the well site pursuant to Public Resources Code (PRC) section 3237. On July 6, 2021, Order No. 1196 became final.

Tri-Valley Oil & Gas Co., 10 Wells and facilities in Madera, San Joaquin, and Ventura Counties

Tri-Valley Oil & Gas Co. has 10 wells, four of which are in a seismic hazard zone included in Phase 2 of the State Oil and Gas Abandonment program in Madera, San Joaquin, and Ventura Counties. These wells are in the Moffat Ranch Gas Field, Oxnard Field, and some in an unidentified field, have been idle for 8 to 44 years, with the ages ranging from 17 to 75 years, and the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment. These wells are in a SB 535 Disadvantaged Communities location.

Tri-Valley was required to pay idle well fees from 2018 through 2020, which they failed to do. CalGEM has cited numerous violations including failing to submit a TCWP and inadequate upkeep of their production facilities. In 2012, Tri-Valley filed for bankruptcy. In 2023, the Bankruptcy Trustee filed a motion to abandon the wells and other property assets of the estate. On March 28, 2023, CalGEM issued a plug and abandonment Order, which became final on July 10, 2023.

Underground Energy, Inc., 1 Well and facilities in Madera County

Underground Energy, Inc. has one well included in Phase 2 of the State Oil and Gas Abandonment program in Madera County. This well is in an unidentified field, has been idle for 9 years, is 17 years old, and the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore is being considered for plug and abandonment. This well is in a SB 535 Disadvantaged Communities location.

Peak Operator LLC, 2 Wells and facility in Ventura County

Peak Operator LLC has two wells in a seismic hazard zone included in Phase 2 of the State Oil and Gas Abandonment program in Ventura County. These wells are in the Saticoy Field, have been idle for over 6 years, are 37 and 41 years old, and the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the wells are being considered for plug and abandonment.

The site, located within 3,200 feet of residential facilities, have been cited for numerous violations over many years. In 2022 and 2023, CalGEM ordered the operator to plug and abandon all their wells (41 wells) because of unresolved violations or incompliance by the operator. The operator has not submitted an Idle Well Management Plan, has failed to conduct casing pressure tests, and has failed to pay idle well fees for years 2018, 2019, 2020. Other violations include but are not limited to failure to submit production data, improper tank identification, failure to provide tank containment, removing fluids from well cellars, replacing missing bolts in a wellhead, and failure to control weeds, presenting a fire hazard.

HVI Cat Canyon, Inc., 11 Wells in Santa Barbara County

HVI Cat Canyon, Inc. has 11 wells, with three wells considered critical, included in Phase 2 of the State Oil and Gas Abandonment program in Santa Barbara County. These wells are in the Santa Maria Valley Field, these wells have been idle for 17 to 44 years, have ages ranging from 42 to 72 years. The operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the wells are being considered for plug and abandonment.

HVI Cat Canyon, Inc. has a long history of multiple violations and significant non-compliance with various environmental laws. On March 2, 2023, the U.S. District Court for the Central District of California found HVI Cat Canyon, Inc. liable for 12 spills into waters of the United States which occurred from 2005 through 2010, resulting from HVI Cat Canyon's gross negligence. In 2019, HVI Cat Canyon, Inc. filed a bankruptcy petition under Chapter 11. In 2020, the Federal bankruptcy court approved a plan for HVI Cat Canyon, Inc. to abandon various assets, including 210 orphan wells. In Phase 1, 172 wells were abandoned. The remaining 38 HVI Cat Canyon, Inc. wells were proposed for closure in a subsequent phase. The proposed wells to abandon in Phase 2 has since been revised downward to 11 wells. The revision is because some of the remaining wells were sold by HVI Cat Canyon to Angel Petroleum and some of the remaining wells were formerly operated by a company whose assets were eventually transferred to California Resources Corporation. There are ongoing discussions about how the California Resources wells will be handled.

Clofas Case Oil Co., 5 wells in Fresno County

Clofas Case Oil Co. has five wells included in Phase 2 of the State Oil and Gas Abandonment program in Fresno County. These wells are in the Burrel, Southeast Field and have been idle between 24 and 33 years, with the age of the wells ranging between 65 and 67 years old. The operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the wells are being considered for plug and abandonment. These wells are in a SB 535 Disadvantaged Communities location.

Coast Range Oil Co., 10 wells in Fresno County

Coast Range Oil Co. has 10 wells included in Phase 2 of the State Oil and Gas Abandonment program in Fresno County. These wells are in the Coalinga Field and have been idle between 87 and 121 years, with the age of the wells ranging between 91 and 123 years old. The operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the wells are being considered for plug and abandonment. Nine of these wells are in a SB 535 Disadvantaged Communities location. Five of these wells have had reported historical well leaks.

Citadel Exploration, Inc., 1 well and 1 facility in Kern County

Citadel Exploration, Inc. has one well included in Phase 2 of the State Oil and Gas Abandonment program in Kern County. This well is in an unidentified field and has been idle for 4 years. The well is 16 years old. The operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment.

Inspections of the Kern Bluff wells near Bakersfield have identified facilities with evidence of leakage, oil-stained soils, and refuse. In addition, CalGEM and the California Air Resources Board have observed hazardous levels of methane leaking from several of the facilities. Citadel Exploration wells and facilities are deteriorating due to lack of maintenance and are a potential threat to life, health, safety, and natural resources.

Dennis C. Franks, 3 wells and 3 facilities in Tulare County

Dennis C. Franks has three wells included in Phase 2 of the State Oil and Gas Abandonment program in Tulare County. All three wells are considered critical. These wells are in the Deer Creek Field and have been idle for over 3 years, with

wells ranging between 34 and 44 years old. The operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the wells are being considered for plug and abandonment. These wells are in a SB 535 Disadvantaged Communities location.

On October 20, 2020, the State Oil and Gas Supervisor issued Order No. 1329 to Dennis C. Franks, the last known operator as determined by the records of the Supervisor, to plug and abandon D.C. Unit 1, API 040720149, D.C. unit 4, 0410720228, D.C. Unit 5, 0410720229, decommission attendant facility, and restore the well site pursuant to Public Resources Code (PRC) section 3237. On November 4, 2020, Order No. 1329 became final.

Dynasonics Corporation, 1 well in Tulare County

Dynasonics Corporation has one well included in Phase 2 of the State Oil and Gas Abandonment program in Tulare County. This well is in Deer Creek Field and has been idle for over 37 years. The well is 46 years old. The operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment. This well is in a SB 535 Disadvantaged Communities location and has had a recorded historical well leak.

Freedom Oil Company, LLC, 15 wells and 2 facilities in Kern County

Freedom Oil Co. has fifteen wells included in Phase 2 of the State Oil and Gas Abandonment program in Kern County. Fifteen of these wells are in the Welcome Valley Field and have been idle between 9 and 43 years. The wells range in age between 45 and 72 years old. The operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the wells are being considered for plug and abandonment. These wells are in a SB 535 Disadvantaged Communities location.

G. H. Preuitt, 6 wells and 7 facilities in Kern County

G. H. Preuitt has six wells included in Phase 2 of the State Oil and Gas Abandonment program in Kern County. These wells are in the Midway-Sunset field and have been idle between 3 and 43 years. The wells range in age between 65 and 105 years old. The operator has not been compliant in paying idle well fees.

This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the wells are being considered for plug and abandonment. These wells are in a SB 535 Disadvantaged Communities location.

Golden Valley Energy, LLC, 3 wells and 2 facilities in Kern County

Golden Valley Energy has three wells included in Phase 2 of the State Oil and Gas Abandonment program in Kern County. One well is considered critical, and one well is critical and additionally in an environmentally sensitive area. These wells are in the Mountain View and Edison fields and have been idle between 4 and 28 years. The wells range in age between 60 and 71 years old. The operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the wells are being considered for plug and abandonment. These wells are in a SB 535 Disadvantaged Communities location, and one well has had a reported historical well leak.

On July 9, 2021, the State Oil and Gas Supervisor issued Order No. 1331 to Golden Valley Energy, LLC, the last known operator as determined by the records of the Supervisor, to plug and abandon Edison Securities Co. 2, 0402904724, Sevenex 1, 0402914312, Sevenex 3, 0402914314, decommission the attendant facilities, and restore the well site pursuant to Public Resources Code (PRC) section 3237. On July 26, 2021, Order No. 1331 became final.

H.L. Hall & Sons, LLC, 1 well in Kern County

H.L. Hall & Sons has one well included in Phase 2 of the State Oil and Gas Abandonment program in Kern County. This well is in the Midway-Sunset field and has been idle for 90 years. The well is 94 years old. The operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment. This well is in a SB 535 Disadvantaged Communities location.

Reserve Petroleum California, Inc., 4 wells and 1 facility in Kern County

Reserve Petroleum California, Inc. has four wells included in Phase 2 of the State Oil and Gas Abandonment program in Kern County. Two wells are critical. The wells are in the Mountain View and Lost Hills field and have been idle between 5 and 22 years. The wells range between 21 and 77 years old. The operator has not been compliant in paying idle well fees. This operator is considered non-compliant with

CalGEM's oil and gas regulations and therefore the wells are being considered for plug and abandonment. These wells are in a SB 535 Disadvantaged Communities location. One well has had a reported historical well leak.

On February 2, 2022, the State Oil and Gas Supervisor issued Order No. 1239 to Reserve Petroleum California, Inc., the last known operator as determined by the records of the Supervisor, to plug and abandon the four wells, decommission the attendant facility, and restore the well site pursuant to Public Resources Code (PRC) section 3237.

Sacramento Energy, Inc., 1 well and 2 facilities in Kern County

Sacramento Energy, Inc. has one well included in Phase 2 of the State Oil and Gas Abandonment program in Kern County. This well is in the Mountain View field and have been idle for 4 years., The well is 70 years old. The operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the well is being considered for plug and abandonment. This well is in a SB 535 Disadvantaged Communities location.

Solimar Energy, LLC, 6 wells in Kern County

Solimar Energy, LLC has six wells included in Phase 2 of the State Oil and Gas Abandonment program in Kern County. These wells are in an unidentified field and have been idle between 8 and 15 years. The wells range between 14 and 19 years old. The operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the wells are being considered for plug and abandonment. These wells are in a SB 535 Disadvantaged Communities location. One well has had a reported historical well leak.

Temblor Petroleum Co. LLC, 4 wells and 1 facility in Fresno County

Temblor Petroleum Co. LLC has four wells included in Phase 2 of the State Oil and Gas Abandonment program in Fresno County. These wells are in an unidentified field and have been idle between 1 and 11 years. The wells range between 5 and

8 years old. as the operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the wells are being considered for plug and abandonment. These wells are in a SB 535 Disadvantaged Communities location.

Valid Energy Company, 12 wells and 1 facility in Kern County and Fresno County

Valid Energy Company has twelve wells included in Phase 2 of the State Oil and Gas Abandonment program in Kern and Fresno Counties. One well is considered critical and in an environmentally sensitive area. These wells are in the Kern Bluff, Gujarral Hills, Gujarral Hills, and Edison fields and have been idle between 3 and 43 years. The wells range between 9 and 76 years old. The operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore are being considered for plug and abandonment. Ten of these wells are in a SB 535 Disadvantaged Communities location.

On December 7, 2021, the State Oil and Gas Supervisor issued Order No. 1227 to Valid Energy Company, the last known operator as determined by the records of the Supervisor, to plug and abandon all 12 wells, decommission the attendant facility, and restore the well site pursuant to Public Resources Code (PRC) section 3237. On December 23, 2021, Order No. 1227 became final.

Windrush Operating Co, LLC, 8 wells and 2 facilities in Kings County

Windrush Operating Co, LLC has eight wells included in Phase 2 of the State Oil and Gas Abandonment program in Kings County. These wells are in the Tulare Lake field and have been idle for between 4 and 35 years. The wells range between 40 and 41 years old. The operator has not being compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore the wells are being considered for plug and abandonment. These wells are in a SB 535 Disadvantaged Communities location. Three of these wells have had a reported historical well leak. The leaks were due to high formation pressure.

These wells and facilities are in the ancestral Tulare Lakebed area. During 2023, there was flooding in the general region. The Tulare Lake field was not flooded but there was flooding nearby. Had the area flooded, oil from leaking wells would have spread over a wide area. There was concern that flooding could bring the cellar and tank fluids to the nearby agriculture fields. Emergency work involving

draining the well cellars and removing any fluid from the tanks was performed by CalGEM to mitigate the current situation. Abandoning the wells will eliminate this potential environmental hazard.

On February 2, 2022, the State Oil and Gas Supervisor issued Order No. 1238 to Windrush Operating Co, LLC, the last known operator as determined by the records of the Supervisor, to plug and abandon all eight wells, decommission the attendant facilities, and restore the well site pursuant to Public Resources Code (PRC) section 3237.

Zynergy, LLC 46 wells and 24 facilities in Kern County and Tulare County

Zynergy, LLC has forty-four wells included in Phase 2 of the State Oil and Gas Abandonment program in Kern and Tulare Counties. Two wells are considered critical. The 44 wells are in the Midway-Sunset, Kern Bluff, and Deer Creek, North fields and have been idle between 2 and 36 years. The wells range between 19 and 113 years old. The operator has not been compliant in paying idle well fees. This operator is considered non-compliant with CalGEM's oil and gas regulations and therefore these wells are being considered for plug and abandonment. Twenty-three of these wells are in a SB 535 Disadvantaged Communities location. Twelve wells have had a reported historical well leak.

On October 12, 2023, the State Oil and Gas Supervisor issued Order No. 1336 to Zynergy, LLC, the last known operator as determined by the records of the Supervisor, to plug and abandon the 44 wells, decommission attendant facilities, and restore the well site pursuant to Public Resources Code (PRC) section 3237.

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APPENDIX A: LIST OF WELLS AND FACILITIES PROPOSED FOR STATE ABANDONMENT

S/N	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
1	Allied Energy Corp.	0403920008	Well	Chowchilla 3	Northern	Madera		Chowchilla Gas	Tier 2	Yes
2	Allied Energy Corp.	0403900010	Well	Chowchilla-Bender 1	Northern	Madera		Chowchilla Gas	Tier 3	Yes
3	Ample Resources, Inc.	90299477	Facility	Temescal	Northern	Ventura		Temescal	-	No
4	Ample Resources, Inc.	90319516	Facility	OOS Tank Facility	Northern	Ventura		Temescal	-	No
5	Ample Resources, Inc.	90321134	Facility	Temescal 9 Tank	Northern	Ventura		Temescal	-	No
6	Ample Resources, Inc.	90321404	Facility	Snow Tank 2	Northern	Ventura		Temescal	-	No
7	Ample Resources, Inc.	90323512	Facility	Snow OOS Tanks	Northern	Ventura		Temescal	-	No
8	Ample Resources, Inc.	90323737	Facility	Temescal 9-4 Pipeline	Northern	Ventura		Temescal	-	No
9	Ample Resources, Inc.	90323738	Facility	Temescal 9-8 Pipeline	Northern	Ventura		Temescal	-	No

10	Ample Resources, Inc.	90323739	Facility	Temescal 9-1 Pipeline	Northern	Ventura		Temescal	-	No
11	Ample Resources, Inc.	90323740	Facility	Temescal 9-2 Pipeline	Northern	Ventura		Temescal	-	No
12	Ample Resources, Inc.	90323741	Facility	Master Oil Pipeline	Northern	Ventura		Temescal	-	No
13	Ample Resources, Inc.	90323744	Facility	Test Oil Pipeline	Northern	Ventura		Temescal	-	No
14	Ample Resources, Inc.	90323745	Facility	Snow 1A Pipeline	Northern	Ventura		Temescal	-	No
15	Ample Resources, Inc.	411104076	Well	Hidden 1	Northern	Ventura		Temescal	Tier 3	No
16	Ample Resources, Inc.	411104079	Well	Snow 1A	Northern	Ventura		Temescal	Tier 4	No
17	Ample Resources, Inc.	411104080	Well	Snow 2	Northern	Ventura		Temescal	Tier 3	No
18	Ample Resources, Inc.	411104081	Well	Snow 3	Northern	Ventura		Temescal	Tier 3	No
19	Ample Resources, Inc.	0411104082	Well	Snow 4	Northern	Ventura		Temescal	Tier 3	No

20	Ample Resources, Inc.	411104083	Well	Snow 5	Northern	Ventura		Temescal	Tier 3	No
21	Ample Resources, Inc.	411121634	Well	Temescal 9-1	Northern	Ventura		Temescal	Tier 2	No
22	Ample Resources, Inc.	411121635	Well	Temescal 9-2	Northern	Ventura		Temescal	Tier 2	No
23	Ample Resources, Inc.	411121649	Well	Temescal 9-4	Northern	Ventura		Temescal	Tier 3	No
24	Ample Resources, Inc.	411121652	Well	Temescal 9-3	Northern	Ventura		Temescal	Tier 3	No
25	Ample Resources, Inc.	411121653	Well	Temescal 9-5	Northern	Ventura		Temescal	Tier 3	No
26	Ample Resources, Inc.	411121662	Well	Temescal 9-6	Northern	Ventura		Temescal	Tier 4	No
27	Ample Resources, Inc.	411121820	Well	Temescal 9-7	Northern	Ventura		Temescal	Tier 4	No
28	Ample Resources, Inc.	411121909	Well	Temescal 9-8	Northern	Ventura		Temescal	Tier 3	No
29	Arco Oil and Gas Co.	411101532	Well	Hobson Fee 4	Northern	Ventura		Rincon	N/A	No

30	Caltico Oil Corp.	403713865	Well	Rassp Community 2	Northern	Los Angeles		Placerita	Tier 4	No
31	Caltico Oil Corp.	403712666	Well	Harrison 1	Northern	Los Angeles		Placerita	Tier 3	No
32	Binion Exploration & Development	410720122	Well	Kathy 1	Central	Tulare		Deer Creek	-	Yes
33	Binion Exploration & Development	410720127	Well	Kathy 2	Central	Tulare		Deer Creek	-	Yes
34	Binion Exploration & Development	410720137	Well	Kathy 3	Central	Tulare		Deer Creek	-	Yes
35	Binion Exploration & Development	410720138	Well	Kathy 4	Central	Tulare		Deer Creek	-	Yes
36	Binion Exploration & Development	90291024	Facility	Unspecified	Central	Tulare		Deer Creek	-	Yes

37	Binion Exploration & Development	90291025	Facility	Unspecified	Central	Tulare		Deer Creek	-	Yes
38	Binion Exploration & Development	90297637	Facility	Kathy Facility	Central	Tulare		Deer Creek	-	Yes
39	Citadel Exploration, Inc.	0403033429	Well	North Yowlumne 2	Central	Kern		Any Field	Tier 1	
40	Citadel Exploration, Inc.	90297577	Facility	North Yowlumne Facility	Central	Kern		Any Field	-	
41	Citizens Oil & Land Corp.	0403705302	Well	1	Southern	Los Angeles		Any Field	Tier 4	No
42	Clofas Case Oil Co.	401900151	Well	McCarthy 13A-7	Central	Fresno		Burrel, Southeast	Tier 3	Yes
43	Clofas Case Oil Co.	401900150	Well	McCarthy D-1-7	Central	Fresno		Burrel, Southeast	Tier 2	Yes
44	Clofas Case Oil Co.	401900152	Well	McCarthy 21A-7	Central	Fresno		Burrel, Southeast	Tier 2	Yes
45	Coast Range Oil Co.	401900440	Well	1	Central	Fresno		Coalinga	Tier 2	Yes

46	Coast Range Oil Co.	401900442	Well	3	Central	Fresno		Coalinga	Tier 2	Yes
47	Coast Range Oil Co.	401900445	Well	6	Central	Fresno		Coalinga	Tier 3	Yes
48	Coast Range Oil Co.	401906434	Well	4C&C	Central	Fresno		Coalinga	Tier 3	Yes
49	Coast Range Oil Co.	401906435	Well	5C&C	Central	Fresno		Coalinga	Tier 2	Yes
50	Coast Range Oil Co.	401906436	Well	7C&C	Central	Fresno		Coalinga	Tier 4	Yes
51	Coast Range Oil Co.	401906437	Well	8C&C	Central	Fresno		Coalinga	Tier 2	Yes
52	Coast Range Oil Co.	401906439	Well	10C&C	Central	Fresno		Coalinga	Tier 3	Yes
53	Coast Range Oil Co.	401906440	Well	11C&C	Central	Fresno		Coalinga	Tier 4	Yes
54	Coast Range Oil Co.	0401906441	Well	Hardison ?	Central	Fresno		Coalinga	Tier 2	Yes
55	Crockett Drilling Synd., Inc.	410300129	Well	3	Northern	Tehama		Any Field	Tier 1	No

56	Dennis C. Franks	410720149	Well	D. C. Unit 1	Central	Tulare		Deer Creek	Tier 2	Yes
57	Dennis C. Franks	410720228	Well	D. C. Unit 4	Central	Tulare		Deer Creek	Tier 2	Yes
58	Dennis C. Franks	410720229	Well	D. C. Unit 5	Central	Tulare		Deer Creek	Tier 2	Yes
59	Dennis C. Franks	90299427	Facility	DC Unit Facility	Central	Tulare		Deer Creek	-	Yes
60	Dennis C. Franks	90299428	Facility	DC Unit OOS-2	Central	Tulare		Deer Creek	-	Yes
61	Dennis C. Franks	90291879	Facility	Unspecified	Central	Tulare		Deer Creek	-	Yes
62	Dynasonics Corporation	410720093	Well	Beery 1	Central	Tulare		Deer Creek	Tier 2	Yes
63	Easton & Smith et al	0403705374	Well	3	Southern	Los Angeles		Any Field	Tier 3	No
64	Freedom Oil Company, LLC	0402936283	Well	Still-Mabury 2	Central	Kern		Welcome Valley	Tier 2	Yes
65	Freedom Oil Company, LLC	0402936286	Well	Still-Mabury 5	Central	Kern		Welcome Valley	Tier 2	Yes
66	Freedom Oil Company, LLC	0402936287	Well	Still-Mabury 6	Central	Kern		Welcome Valley	Tier 2	Yes

67	Freedom Oil Company, LLC	0402936288	Well	Still-Mabury 7	Central	Kern		Welcome Valley	Tier 2	Yes
68	Freedom Oil Company, LLC	0402936289	Well	Still-Mabury 8	Central	Kern		Welcome Valley	Tier 2	Yes
69	Freedom Oil Company, LLC	0402936290	Well	Still-Mabury 9	Central	Kern		Welcome Valley	Tier 2	Yes
70	Freedom Oil Company, LLC	0402936291	Well	Still-Mabury 10	Central	Kern		Welcome Valley	Tier 2	Yes
71	Freedom Oil Company, LLC	0402936292	Well	Still-Mabury 11	Central	Kern		Welcome Valley	Tier 2	Yes
72	Freedom Oil Company, LLC	0402936281	Well	Still-Mabury 4B	Central	Kern		Welcome Valley	Tier 3	Yes
73	Freedom Oil Company, LLC	0402936285	Well	Still-Mabury 4	Central	Kern		Welcome Valley	Tier 3	Yes
74	Freedom Oil Company, LLC	0402936278	Well	Still-Mabury 1B	Central	Kern		Welcome Valley	Tier 3	Yes

75	Freedom Oil Company, LLC	0402936279	Well	Still-Mabury 2B	Central	Kern		Welcome Valley	Tier 3	Yes
76	Freedom Oil Company, LLC	0402936282	Well	Still-Mabury 1	Central	Kern		Welcome Valley	Tier 3	Yes
77	Freedom Oil Company, LLC	0402936284	Well	Still-Mabury 3	Central	Kern		Welcome Valley	Tier 3	Yes
78	Freedom Oil Company, LLC	0402958858	Well	North Basin Energy 1	Central	Kern		Welcome Valley	Tier 3	Yes
79	Freedom Oil Company, LLC	90297612	Facility	Welcome Valley	Central	Kern		Welcome Valley	-	Yes
80	Freedom Oil Company, LLC	90291887	Facility	Welcome Valley	Central	Kern		Welcome Valley	-	Yes
81	G. H. Preuitt	0402938986	Well	Jade 4	Central	Kern		Midway-Sunset	Tier 2	Yes
82	G. H. Preuitt	0402938980	Well	Jade 3	Central	Kern		Midway-Sunset	Tier 3	Yes
83	G. H. Preuitt	0402938988	Well	Preuitt & Gill 2	Central	Kern		Midway-Sunset	Tier 3	Yes
84	G. H. Preuitt	0402938983	Well	Hollady 2	Central	Kern		Midway-Sunset	Tier 3	Yes

85	G. H. Preuitt	0402938979	Well	15-1	Central	Kern		Midway-Sunset	Tier 3	Yes
86	G. H. Preuitt	0402938987	Well	Preuitt & Gill 1	Central	Kern		Midway-Sunset	Tier 3	Yes
87	G. H. Preuitt	90292385	Facility	Unspecified	Central	Kern		Midway-Sunset	-	Yes
88	G. H. Preuitt	90294839	Facility	Unspecified	Central	Kern		Midway-Sunset	-	Yes
89	G. H. Preuitt	90294840	Facility	Unspecified	Central	Kern		Midway-Sunset	-	Yes
90	G. H. Preuitt	90294841	Facility	Unspecified	Central	Kern		Midway-Sunset	-	Yes
91	G. H. Preuitt	90294842	Facility	Unspecified	Central	Kern		Midway-Sunset	-	Yes
92	G. H. Preuitt	90294843	Facility	Unspecified	Central	Kern		Midway-Sunset	-	Yes
93	G. H. Preuitt	90294844	Facility	Unspecified	Central	Kern		Midway-Sunset	-	Yes
94	Golden Bee, Inc.	0405902213	Well	Pursell 1	Southern	Orange		Huntington Beach	Tier 3	No
95	Golden Valley Energy, LLC	402904724	Well	Edison Securities Co. 2	Central	Kern		Edison	Tier 1	Yes
96	Golden Valley Energy, LLC	402914312	Well	Sevenex 1	Central	Kern		Mountain View	Tier 2	Yes

97	Golden Valley Energy, LLC	402914314	Well	Sevenex 3	Central	Kern		Mountain View	Tier 1	Yes
98	Golden Valley Energy, LLC	90295367	Facility	Unspecified	Central	Kern		Edison	-	Yes
99	Golden Valley Energy, LLC	90295368	Facility	Unspecified	Central	Kern		Mountain View	-	Yes
100	H.L. Hall & Sons, LLC	0402925318	Well	Maricopa 3	Central	Kern		Midway-Sunset	Tier 2	Yes
101	Harris Rogalske	0403723911	Well	1	Southern	Los Angeles		Salt Lake	Tier 3	No
102	Harry B. Mortimer & R. L. Rasmussen	0402500017	Well	Truck Haven 1	Southern	Imperial		Any Field	Tier 3	No
103	HVI Cat Canyon, Inc.	408320823	Well	Acquistapace 85M-9	Northern	Santa Barbara		Santa Maria Valley	Tier 3	No
104	HVI Cat Canyon, Inc.	408301196	Well	Fullerton 3	Northern	Santa Barbara		Cat Canyon	Tier 2	No
105	HVI Cat Canyon, Inc.	408301198	Well	Fullerton 5	Northern	Santa Barbara		Cat Canyon	Tier 3	No

106	HVI Cat Canyon, Inc.	408302460	Well	Mckenzie 2	Northern	Santa Barbara		Santa Maria Valley	Tier 3	No
107	HVI Cat Canyon, Inc.	408321827	Well	Nicholson 253-9	Northern	Santa Barbara		Santa Maria Valley	Tier 3	No
108	HVI Cat Canyon, Inc.	408301393	Well	Nicholson 53-9	Northern	Santa Barbara		Santa Maria Valley	Tier 3	No
109	HVI Cat Canyon, Inc.	408320709	Well	Nodlew 2	Northern	Santa Barbara		Santa Maria Valley	Tier 3	No
110	HVI Cat Canyon, Inc.	408320692	Well	Nodlew 3	Northern	Santa Barbara		Santa Maria Valley	Tier 3	No
111	HVI Cat Canyon, Inc.	408321472	Well	North Orcutt 3	Northern	Santa Barbara		Santa Maria Valley	Tier 2	No
112	HVI Cat Canyon, Inc.	408321509	Well	North Orcutt 8	Northern	Santa Barbara		Santa Maria Valley	Tier 3	No
113	HVI Cat Canyon, Inc.	408301201	Well	Union-Continental 1	Northern	Santa Barbara		Cat Canyon	Tier 3	No
114	Imperial Occidental	90297673	Facility	Gray Fox Tank Setting	Southern	Los Angeles		Long Beach		
115	Imperial Occidental	0403709188	Well	Simplex 4	Southern	Los Angeles		Long Beach	Tier 3	

116	Imperial Occidental	0403711340	Well	Gray Fox 1	Southern	Los Angeles		Long Beach	Tier 2	
117	John F. Sheran	0407300046	Well	Sheran 1	Southern	San Diego		Any Field	Tier 3	No
118	Lena Pauline Savage	0403718753	Well	1	Southern	Los Angeles		Whittier	Tier 3	No
119	Liu, Cheng and Lin	0403701167	Well	Lucky Star 1	Southern	Los Angeles		Canoga Park	Tier 2	No
120	Mills Petro. Co.	0403707382	Well	1	Southern	Los Angeles		Inglewood	Tier 3	No
121	North Valley Gaswell Services	90319156	Facility	0410320128 Setting	Northern	Tehama		Kirkwood Gas	-	No
122	North Valley Gaswell Services	0410320128	Well	Williams 1-5	Northern	Tehama		Kirkwood Gas	Tier 2	No
123	Overthrust Exploration Inc	0407120055	Well	Lanfair 1	Southern	San Bernardino		Any Field	Tier 3	Yes
124	P. M. Peterson	0407100115	Well	Moore 1	Southern	San Bernardino		Any Field	Tier 3	No
125	Peak Operator LLC	90297526	Facility	Lloyd-Butler	Northern	Ventura		Saticoy	-	No

126	Peak Operator LLC	411121263	Well	Lloyd-Butler 24-6	Northern	Ventura		Saticoy	Tier 2	No
127	Peak Operator LLC	411121463	Well	Lloyd-Butler 2-6	Northern	Ventura		Saticoy	Tier 2	No
128	Princeton Natural Gas, LLC	90326610	Facility	0407720484 Facility	Northern	San Joaquin		King Island Gas	-	Yes
129	Princeton Natural Gas, LLC	407720484	Well	Piacentine 1-27	Northern	San Joaquin		King Island Gas	Tier 2	Yes
130	Reserve Petroleum California, Inc.	0402914290	Well	Tupman 43-9	Central	Kern		Mountain View	Tier 2	Yes
131	Reserve Petroleum California, Inc.	403015607	Well	T.V.T. 2-9	Central	Kern		Mountain View	Tier 2	Yes
132	Reserve Petroleum California, Inc.	0403015745	Well	T.V.T. 3-9	Central	Kern		Mountain View	Tier 2	Yes
133	Reserve Petroleum California, Inc.	0403022281	Well	T.V.T. 4-9	Central	Kern		Mountain View	Tier 1	Yes

134	Reserve Petroleum California, Inc.	90295168	Facility	TVT Tank Setting	Central	Kern		Mountain View	-	Yes
135	Sacramento Energy, Inc.	402914425	Well	Derby B-67	Central	Kern		Mountain View	Tier 2	Yes
136	Sacramento Energy, Inc.	90292454	Facility	Unspecified	Central	Kern		Mountain View	-	Yes
137	Sacramento Energy, Inc.	90294244	Facility	Unspecified	Central	Kern		Mountain View	-	Yes
138	SMG Oil, LLC	0411120331	Well	A. E. Sloan 103	Northern	Ventura		Eureka Canyon	Tier 2	No
139	SMG Oil, LLC	0411120411	Well	Hol-Har 1	Northern	Ventura		Eureka Canyon	Tier 3	No
140	SMG Oil, LLC	0411120489	Well	Hol-Har 3	Northern	Ventura		Eureka Canyon	Tier 3	No
141	SMG Oil, LLC	0411120576	Well	Hol-Har 4	Northern	Ventura		Eureka Canyon	Tier 3	No
142	SMG Oil, LLC	0411120689	Well	Hol-Har 7	Northern	Ventura		Eureka Canyon	Tier 3	No
143	SMG Oil, LLC	0411120713	Well	Hol-Har 7A	Northern	Ventura		Eureka Canyon	Tier 3	No
144	SMG Oil, LLC	0411120960	Well	Sloan 2X	Northern	Ventura		Eureka Canyon	Tier 3	No

145	SMG Oil, LLC	0411121147	Well	Sloan 4X	Northern	Ventura		Eureka Canyon	Tier 3	No
146	SMG Oil, LLC	0411121177	Well	Sloan 7X	Northern	Ventura		Eureka Canyon	Tier 3	No
147	Solimar Energy, LLC	0403026382	Well	Jack Hamar 2-1	Central	Kern		Any Field	Tier 2	Yes
148	Solimar Energy, LLC	403039956	Well	Almond Grove 4-13	Central	Kern		Any Field	Tier 2	Yes
149	Solimar Energy, LLC	0403026207	Well	1-13	Central	Kern		Any Field	Tier 3	Yes
150	Solimar Energy, LLC	0403026955	Well	2-13	Central	Kern		Any Field	Tier 3	Yes
151	Solimar Energy, LLC	0403027346	Well	3-13	Central	Kern		Any Field	Tier 3	Yes
152	Solimar Energy, LLC	0403032780	Well	Jack Hamar Deep 1	Central	Kern		Any Field	Tier 3	Yes
153	Sunray Petroleum, Inc.	0402954493	Well	NW Strand 1	Central	Kern		Strand	Tier 3	No
154	Sunray Petroleum, Inc.	0402960370	Well	Tenneco Fee 22-15	Central	Kern		Rosedale	Tier 3	No
155	Sunray Petroleum, Inc.	0402961422	Well	Tenneco Fee 32X-15	Central	Kern		Rosedale	Tier 3	No

156	Sunray Petroleum, Inc.	0402965225	Well	Nomeco-Yates 15-33	Central	Kern		Rosedale	Tier 3	No
157	Sunray Petroleum, Inc.	0402968870	Well	Nomeco-Yates 15-34	Central	Kern		Rosedale	Tier 3	No
158	Sunray Petroleum, Inc.	90294994	Facility	NW Strand	Central	Kern		Strand	Tier 3	No
159	Sunray Petroleum, Inc.	90295033	Facility	Tenneco Fee	Central	Kern		Rosedale	Tier 3	No
160	Temblor Petroleum Co. LLC	401925943	Well	Harnish-McCormick 3	Central	Fresno		Any Field	Tier 2	Yes
161	Temblor Petroleum Co. LLC	0401925961	Well	KCDL 2	Central	Fresno		Any Field	Tier 2	Yes
162	Temblor Petroleum Co. LLC	0401926118	Well	Harnish-McCormick 12	Central	Fresno		Any Field	Tier 2	Yes
163	Temblor Petroleum Co. LLC	0401926119	Well	Harnish-McCormick 5	Central	Fresno		Any Field	Tier 2	Yes
164	Temblor Petroleum Co. LLC	90321419	Facility	Harnish-McCormick	Central	Fresno		Any Field	-	Yes

165	The Nahabedian Exploration Group, LLC	90318613	Facility	0409521322 Setting	Northern	Solano		Lindsey Slough Gas	-	Yes
166	The Nahabedian Exploration Group, LLC	409521322	Well	McCormack Ranch 1-4	Northern	Solano		Lindsey Slough Gas	Tier 2	Yes
167	The Nahabedian Exploration Group, LLC	410320252	Well	Bengard 1-27	Northern	Tehama		Any Field	Tier 3	No
168	Thompson & McNickels	408120066	Well	Butts 2	Northern	San Mateo		Half Moon Bay	Tier 2	No
169	Tri-Valley Oil & Gas Co.	90296130	Facility	Unspecified	Northern	Madera		Moffat Ranch Gas	-	Yes
170	Tri-Valley Oil & Gas Co.	90324146	Facility	0403920042 Facility	Northern	Madera		Moffat Ranch Gas	-	Yes

171	Tri-Valley Oil & Gas Co.	90326684	Facility	0403920101 Facility	Northern	Madera		Moffat Ranch Gas	-	Yes
172	Tri-Valley Oil & Gas Co.	90326685	Facility	0403900070 Facility	Northern	Madera		Moffat Ranch Gas	-	Yes
173	Tri-Valley Oil & Gas Co.	403900070	Well	Moffat 2	Northern	Madera		Moffat Ranch Gas	Tier 2	Yes
174	Tri-Valley Oil & Gas Co.	403920042	Well	NMR 8-12	Northern	Madera		Moffat Ranch Gas	Tier 3	Yes
175	Tri-Valley Oil & Gas Co.	403920094	Well	Moffat 2-7-1	Northern	Madera		Moffat Ranch Gas	Tier 3	Yes
176	Tri-Valley Oil & Gas Co.	0403920101	Well	Tilgreut 1-18	Northern	Madera		Moffat Ranch Gas	Tier 3	Yes
177	Tri-Valley Oil & Gas Co.	0403920109	Well	Moffat Ranch 48x-7	Northern	Madera		Moffat Ranch Gas	Tier 3	Yes
178	Tri-Valley Oil & Gas Co.	411121969	Well	Lenox Ranch 101H	Northern	Ventura		Oxnard	Tier 3	Yes
179	Tri-Valley Oil & Gas Co.	411121971	Well	Lenox Ranch 104H	Northern	Ventura		Oxnard	Tier 3	Yes
180	Tri-Valley Oil & Gas Co.	411121984	Well	Lenox Ranch 108H	Northern	Ventura		Oxnard	Tier 3	Yes

181	Tri-Valley Oil & Gas Co.	0411121991	Well	Lenox Ranch 107H	Northern	Ventura		Oxnard	Tier 3	Yes
182	Underground Energy, Inc.	90296131	Facility	Unspecified	Northern	Merced		Any Field	-	Yes
183	Underground Energy, Inc.	90326484	Facility	0404720126 Facility	Northern	Merced		Any Field	-	Yes
184	Underground Energy, Inc.	404720126	Well	Wil E. Coyote 1-33	Northern	Merced		Any Field	Tier 2	Yes
185	Valid Energy Company	401904868	Well	Polvadero Unit 44-1	Central	Fresno		Guijarral Hills	Tier 2	Yes
186	Valid Energy Company	401925839	Well	Sanger 1-1	Central	Fresno		Guijarral Hills	Tier 3	Yes
187	Valid Energy Company	402908750	Well	Vedder-Parkford 3	Central	Kern		Kern Bluff	Tier 3	No
188	Valid Energy Company	402989353	Well	Henry 1	Central	Kern		Edison	Tier 2	Yes
189	Valid Energy Company	0402989479	Well	Henry 2	Central	Kern		Edison	Tier 2	Yes

190	Valid Energy Company	0402989480	Well	Henry 3	Central	Kern		Edison	Tier 2	Yes
191	Valid Energy Company	0402989531	Well	Henry 4	Central	Kern		Edison	Tier 2	Yes
192	Valid Energy Company	0402989532	Well	Henry 5	Central	Kern		Edison	Tier 2	Yes
193	Valid Energy Company	403015252	Well	KIDJAR 1	Central	Kern		Edison	Tier 2	Yes
194	Valid Energy Company	0403030772	Well	Thomas 23-6	Central	Kern		Edison	Tier 2	Yes
195	Valid Energy Company	0403032370	Well	Wilson 23-8	Central	Kern		Edison	Tier 2	Yes
196	Valid Energy Company	0403054202	Well	Vedder-Parkford 12-26	Central	Kern		Kern Bluff	Tier 2	No
197	Valid Energy Company	90297723	Facility	Unspecified	Central	Kern		Edison	-	Yes
198	Western Pacific Oil Co.	0407100153	Well	1	Southern	San Bernardino		Any Field	Tier 3	Yes
199	Windrush Operating Co, LLC	403120239	Well	Salyer 678X	Central	Kings		Tulare Lake	Tier 2	Yes

200	Windrush Operating Co, LLC	0403120243	Well	Salyer 665X	Central	Kings		Tulare Lake	Tier 2	Yes
201	Windrush Operating Co, LLC	0403120250	Well	Salyer 645X	Central	Kings		Tulare Lake	Tier 3	Yes
202	Windrush Operating Co, LLC	0403120259	Well	Salyer 647X	Central	Kings		Tulare Lake	Tier 2	Yes
203	Windrush Operating Co, LLC	0403120262	Well	Salyer 667X	Central	Kings		Tulare Lake	Tier 3	Yes
204	Windrush Operating Co, LLC	0403120267	Well	Salyer 636	Central	Kings		Tulare Lake	Tier 2	Yes
205	Windrush Operating Co, LLC	0403120268	Well	Salyer 676	Central	Kings		Tulare Lake	Tier 3	Yes
206	Windrush Operating Co, LLC	0403120277	Well	Salyer 677	Central	Kings		Tulare Lake	Tier 3	Yes
207	Windrush Operating Co, LLC	90296137	Facility	Salyer South Facility	Central	Kings		Tulare Lake	-	Yes
208	Windrush Operating Co, LLC	90296138	Facility	Salyer North Facility	Central	Kings		Tulare Lake	-	Yes
209	Zynergy, LLC	402908871	Well	Afana 1	Central	Kern		Kern Bluff	Tier 2	No
210	Zynergy, LLC	0402908872	Well	Afana 2	Central	Kern		Kern Bluff	Tier 2	No

211	Zynergy, LLC	0402908873	Well	Afana 3	Central	Kern		Kern Bluff	Tier 2	No
212	Zynergy, LLC	0402908874	Well	Afana 4	Central	Kern		Kern Bluff	Tier 3	No
213	Zynergy, LLC	0402908876	Well	Afana 6	Central	Kern		Kern Bluff	Tier 3	No
214	Zynergy, LLC	0402908877	Well	Afana 7	Central	Kern		Kern Bluff	Tier 2	No
215	Zynergy, LLC	0402908879	Well	Afana 9	Central	Kern		Kern Bluff	Tier 2	No
216	Zynergy, LLC	0402935906	Well	Coast-Bronco 1	Central	Kern		Midway-Sunset	Tier 2	Yes
217	Zynergy, LLC	0402938193	Well	Altoona 1	Central	Kern		Midway-Sunset	Tier 4	Yes
218	Zynergy, LLC	0402938194	Well	Altoona 2	Central	Kern		Midway-Sunset	Tier 4	Yes
219	Zynergy, LLC	0402938195	Well	Altoona 3	Central	Kern		Midway-Sunset	Tier 4	Yes
220	Zynergy, LLC	0402938196	Well	Altoona 4	Central	Kern		Midway-Sunset	Tier 4	Yes
221	Zynergy, LLC	0402938197	Well	Altoona 5	Central	Kern		Midway-Sunset	Tier 4	Yes
222	Zynergy, LLC	0402938198	Well	Altoona 6	Central	Kern		Midway-Sunset	Tier 4	Yes
223	Zynergy, LLC	0402938199	Well	Altoona 7	Central	Kern		Midway-Sunset	Tier 4	Yes
224	Zynergy, LLC	0402938200	Well	Altoona 8	Central	Kern		Midway-Sunset	Tier 4	Yes
225	Zynergy, LLC	0402938558	Well	Bronco 1	Central	Kern		Midway-Sunset	Tier 2	Yes

226	Zynergy, LLC	0402938560	Well	Bronco 2	Central	Kern		Midway-Sunset	Tier 2	Yes
227	Zynergy, LLC	0402951203	Well	Afana 10	Central	Kern		Kern Bluff	Tier 3	No
228	Zynergy, LLC	0402951204	Well	Afana 11	Central	Kern		Kern Bluff	Tier 3	No
229	Zynergy, LLC	0402951205	Well	Afana 12	Central	Kern		Kern Bluff	Tier 3	No
230	Zynergy, LLC	0402951206	Well	Afana 13	Central	Kern		Kern Bluff	Tier 3	No
231	Zynergy, LLC	402951266	Well	Altoona C-1	Central	Kern		Midway-Sunset	Tier 4	Yes
232	Zynergy, LLC	0402951317	Well	Altoona C-3	Central	Kern		Midway-Sunset	Tier 4	Yes
233	Zynergy, LLC	0402951318	Well	Altoona C-5	Central	Kern		Midway-Sunset	Tier 4	Yes
234	Zynergy, LLC	0402951445	Well	Altoona A-1	Central	Kern		Midway-Sunset	Tier 3	Yes
235	Zynergy, LLC	0402951446	Well	Altoona E-1	Central	Kern		Midway-Sunset	Tier 4	Yes
236	Zynergy, LLC	402960119	Well	Afana 5-A	Central	Kern		Kern Bluff	Tier 3	No
237	Zynergy, LLC	0402965568	Well	Afana 14	Central	Kern		Kern Bluff	Tier 2	No
238	Zynergy, LLC	0402968857	Well	Afana 1V	Central	Kern		Kern Bluff	Tier 3	No
239	Zynergy, LLC	0402968858	Well	Afana 2V	Central	Kern		Kern Bluff	Tier 2	No
240	Zynergy, LLC	0402968859	Well	Afana 3V	Central	Kern		Kern Bluff	Tier 3	No

241	Zynergy, LLC	0402968860	Well	Afana 4V	Central	Kern		Kern Bluff	Tier 3	No
242	Zynergy, LLC	0402969461	Well	J.R. 1	Central	Kern		Midway-Sunset	Tier 2	Yes
243	Zynergy, LLC	0402969517	Well	J.R. 2	Central	Kern		Midway-Sunset	Tier 2	Yes
244	Zynergy, LLC	0402973711	Well	Afana 5V	Central	Kern		Kern Bluff	Tier 3	No
245	Zynergy, LLC	0402973933	Well	Afana 6V	Central	Kern		Kern Bluff	Tier 3	No
246	Zynergy, LLC	0402973934	Well	Afana 7V	Central	Kern		Kern Bluff	Tier 3	No
247	Zynergy, LLC	0402973935	Well	Afana 8V	Central	Kern		Kern Bluff	Tier 3	No
248	Zynergy, LLC	0403025431	Well	Altoona SPI-1	Central	Kern		Midway-Sunset	Tier 4	Yes
249	Zynergy, LLC	0403025606	Well	Altoona SPI-5	Central	Kern		Midway-Sunset	Tier 3	Yes
250	Zynergy, LLC	0410700005	Well	Carnahan Bennington 1	Central	Tulare		Deer Creek, North	Tier 2	Yes
251	Zynergy, LLC	0410720152	Well	Karen 1	Central	Tulare		Deer Creek, North	Tier 2	Yes
252	Zynergy, LLC	0410720153	Well	Karen 2	Central	Tulare		Deer Creek, North	Tier 2	Yes
253	Zynergy, LLC	0410720068	Well	Well 2-3	Central	Kern		Deer Creek, North	-	Yes

254	Zynergy, LLC	0410720069	Well	Well 2-4	Central	Kern		Deer Creek, North	-	Yes
255	Zynergy, LLC	90290848	Facility	Unspecified	Central	Tulare		Deer Creek, North	-	Yes
256	Zynergy, LLC	90290849	Facility	Unspecified	Central	Tulare		Deer Creek, North	-	Yes
257	Zynergy, LLC	90290850	Facility	Unspecified	Central	Tulare		Deer Creek, North	-	Yes
258	Zynergy, LLC	90290851	Facility	Unspecified	Central	Kern		Kern Bluff	-	No
259	Zynergy, LLC	90290852	Facility	Unspecified	Central	Kern		Kern Bluff	-	No
260	Zynergy, LLC	90290853	Facility	Unspecified	Central	Kern		Kern Bluff	-	No
261	Zynergy, LLC	90290854	Facility	Unspecified	Central	Kern		Kern Bluff	-	No
262	Zynergy, LLC	90290855	Facility	Unspecified	Central	Kern		Kern Bluff	-	No
263	Zynergy, LLC	90290856	Facility	Unspecified	Central	Kern		Kern Bluff	-	No
264	Zynergy, LLC	90290857	Facility	Unspecified	Central	Kern		Kern Bluff	-	No
265	Zynergy, LLC	90290858	Facility	Unspecified	Central	Kern		Kern Bluff	-	No
266	Zynergy, LLC	90290859	Facility	Unspecified	Central	Kern		Kern Bluff	-	No

267	Zynergy, LLC	90290860	Facility	Unspecified	Central	Kern		Midway-Sunset	-	Yes
268	Zynergy, LLC	90290861	Facility	Unspecified	Central	Kern		Midway-Sunset	-	Yes
269	Zynergy, LLC	90295281	Facility	Unspecified	Central	Kern		Midway-Sunset	-	Yes
270	Zynergy, LLC	90295317	Facility	Unspecified	Central	Tulare		Deer Creek, North	-	Yes
271	Zynergy, LLC	90295320	Facility	Unspecified	Central	Kern		Kern Bluff	-	No
272	Zynergy, LLC	90295323	Facility	Unspecified	Central	Kern		Midway-Sunset	-	Yes
273	Zynergy, LLC	90295324	Facility	Unspecified	Central	Kern		Midway-Sunset	-	Yes
274	Zynergy, LLC	90295325	Facility	Unspecified	Central	Kern		Midway-Sunset	-	Yes
275	Zynergy, LLC	90295326	Facility	Unspecified	Central	Kern		Midway-Sunset	-	Yes
276	Zynergy, LLC	90295327	Facility	Unspecified	Central	Kern		Midway-Sunset	-	Yes
277	Zynergy, LLC	90295718	Facility	Unspecified	Central	Kern		Midway-Sunset	-	Yes
278	Zynergy, LLC	-	Facility	Unspecified	Central	Kern		Deer Creek, North	-	Yes