



Geologic Energy Management Division

State Abandonment Draft Expenditure Plan

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Table of Contents

ABOUT THE CALIFORNIA GEOLOGIC ENERGY MANAGEMENT DIVISION	4
EXECUTIVE SUMMARY	5
OVERVIEW OF ORPHAN WELL PROBLEM	7
STATE ABANDONMENT HISTORY AND PROCESS.....	8
PROGRAM VALUES	8
VARIOUS STATE AND FEDERAL FUNDING SOURCES AND USES	11
DESERTED AND HAZARDOUS/IDLE-DESERTED WELLS.....	12
HOLDING OPERATORS ACCOUNTABLE FOR THE COST OF ABANDONMENT	13
PROGRAM METRICS.....	14
PROGRAM PROGRESS REPORTING	17
PRIORITIZATION APPROACH.....	18
ENCUMBERANCE GOAL.....	19
PROCESS AND CONTRACT APPROACH	20
UPDATE ON CURRENT STATE ABANDONMENT PROJECTS	25
OVERVIEW OF FIRST PACKAGE PROPOSED PROJECTS.....	27
APPENDIX A: FEDERAL GRANT APPLICATION CONTENTS	37
APPENDIX B: LIST OF WELLS AND FACILITIES PROPOSED FOR STATE ABANDONMENT.....	38

ABOUT THE CALIFORNIA GEOLOGIC ENERGY MANAGEMENT DIVISION

The Department of Conservation's California Geologic Energy Management Division (CalGEM) prioritizes protecting public health, safety, and the environment in its oversight of California's oil, natural gas, and geothermal operations. To do that, CalGEM uses science and sound engineering practices to regulate the drilling, operation, maintenance, and permanent closure of energy resource wells. CalGEM also regulates certain pipelines and facilities associated with energy resource wells. These regulatory duties include conducting inspections, witnessing and reviewing tests, and permitting and reviewing operations.

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



CalGEM has grown significantly since it was established in 1915 and has taken major steps to ensure it will be able to meet public expectations for a modern, efficient, collaborative, and science-driven regulatory agency. In 2019, the mission of CalGEM changed to include protecting public health and safety, environmental quality, and 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 districts to best serve the needs of

the State: Northern, Central (formerly Inland), and Southern. Each district has its own offices where staff are available to assist the public and interested parties. For more information about CalGEM, visit:

<https://www.conservation.ca.gov/calgem>.

EXECUTIVE SUMMARY

The Department of Conservation Geologic Energy Management Division's (CalGEM) State Oil and Gas Well Abandonment program identifies and remediates oil and gas wells for which no responsible solvent operator is present to maintain, repair, or plug and abandon (seal) them. Orphan wells can threaten public health, safety, and the environment. They can leak oil, emit greenhouse gases, and pose physical hazards. Because there is no responsible operator, in many instances orphan wells are left to the State to remediate and permanently seal (or plug and abandon).

This draft expenditure plan identifies the first set of projects proposed to be funded with a historic investment of orphan well remediation funding from the State and Federal governments based on project screening criteria designed to target the remediation of wells for maximum public benefit.

The first set of proposed projects, shown in the table below, includes the abandonment of 378 of the State's highest-priority orphan wells, spread across seven counties, with an estimated cost of approximately \$80 million. These projects will be funded by both State and Federal funds. In line with the Federal Justice40 initiative, 40 percent of the funds for these initial projects will be spent in disadvantaged communities.

CalGEM anticipates entering into contracts for the abandonment projects listed below starting in the fourth quarter of 2023. CalGEM will produce annual reports to provide the status of executed contracts and updated project lists as additional wells are selected through the screening methodology and engagement with the public on local priorities.

State Abandonment Expenditure Plan Phase 1					
Operator	District	County	Field	Spend Plan Year	Total Number of Wells
HVI Cat Canyon - 171 Wells	Northern	Santa Barbara	Casmelia, Cat Canyc	2023	171
Citadel Exploration Inc.	Central	Kern	Kern Bluff, Any Fiel	2024	37
Griffin Resources, LLC	Central	Kern, Kings	Fruitvale	2024	25
Hartley Natural Resource Developn	Central	Kern	Edison	2024	1
Prine Oil Company	Central	Kern	Mountain View	2024	1
Sunray Petroleum, Inc.	Central	Kern	Fruitvale, Kern Bluf	2024	22
Blackstone Oil & Gas, LLC	Central	Kern	Fruitvale, Mountain	2024	37
Tri-Valley Oil & Gas Co.	Central	Kern, Fresno	Edison, Semitropic,	2024	6
Clarence R. Barnett Inc.	Northern	Ventura	Simi	2024	2
HVI Cat Canyon - Nodlew 1	Northern	Santa Barbara	Santa Maria Valley	2024	1
Peak Operator LLC	Northern	Ventura	Oxnard	2024	39
Vaca Energy, LLC	Northern	Ventura	Montalvo, West	2024	6
AllenCo Energy, Inc.	Southern	Los Angeles	Las Cienegas	2024	21
Cache Oil Co	Southern	Los Angeles	Canoga Park	2024	1
Canoga Oil Co.	Southern	Los Angeles	Canoga Park	2024	3
Crown of the Valley Oil Co.	Southern	Orange	Brea-Olinda	2024	1
Estate of Harold C. Morton	Southern	Los Angeles	Long Beach	2024	1
Rex Oil Co.	Southern	Orange	Huntington Beach	2024	1
Santa Ana Canyon Dev. Corp.	Southern	Orange	Esperanza	2024	1
Frank Knapp	Southern	Los Angeles	Canoga Park	2024	1
Total:					378

OVERVIEW OF ORPHAN WELL PROBLEM

Oil production's decline for the past several decades has led to an increasing number of idle wells. While many operators are managing these idle wells in accordance with state regulations, many wells have become "orphans."

Orphan wells have no responsible, solvent operator to maintain, repair, or plug and abandon the wells and attendant facilities. Orphan 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.

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 through a final plugging and abandonment order. Deserted wells, unlike orphan wells have not yet been definitively determined to be orphan because CalGEM has not yet taken reasonable efforts to identify a legally responsible party with financial resources that could be accessed to fund plugging and abandonment and decommissioning work. If the operator does not plug and abandon the wells in accordance with a plug and abandonment order, CalGEM has the authority to plug and abandon deserted wells, and to recoup costs from any solvent, responsible operator that is identified. In cases where CalGEM cannot locate a responsible operator, the wells are considered to be orphans.

CalGEM has estimated that there are currently more than 5,300 orphan or likely orphan wells across the State and 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.

STATE ABANDONMENT HISTORY AND PROCESS

Since 1977, CalGEM has plugged and abandoned about 1,400 wells at a cost of \$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.

Last year, CalGEM received 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.

PROGRAM VALUES

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

1. **Reduce Risks to Californians:** CalGEM prioritizes projects that reduce 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 of 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 pertaining to 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 UI Code Section 14005 (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 high-quality jobs amid the transition away from fossil fuel production.

VARIOUS STATE AND FEDERAL FUNDING SOURCES AND USES

There are four sources of funds currently 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 \$5

million per year (PRC, 3258, subd. (a)). In addition, Chapter 844, Statutes of 2022 (SB 1295, Limón) provides \$15 million over two years, in addition to the \$5 million cap on funding State abandonments from this fund each fiscal year.

2. 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 – the well to be plugged and abandoned must be characterized as hazardous or idle-deserted and must be a “well of an operator subject to the requirements” of PRC 3206, subdivision (b) (idle well regulations).
3. As part of the California state budget, a total of \$100 million from the State’s General Fund was allocated over two years - \$50 million was appropriated in the Budget Act of 2022 and an additional \$50 million was allocated in the Budget Action of 2023, to plug and abandon orphan and deserted wells.
4. In August 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 at least 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.

As of June 2023, DOI has not yet indicated when the application for the remaining formula grant monies will be opened.

DESERTED AND HAZARDOUS/IDLE-DESERTED WELLS

CalGEM's statutory authorities provide various circumstances under which CalGEM may order a well to be plugged and abandoned and attendant production facilities to be decommissioned. Mainly, CalGEM may rely on evidence the well has been deserted (PRC 3237) or may determine the well to be hazardous or idle-deserted (PRC 3251 and 3255). If CalGEM determines a well has been deserted, or is a hazardous or idle-deserted well according to PRC 3251, CalGEM may order the plugging and abandonment of the well, decommissioning of deserted production facilities, and any necessary remedial work. (Plug and Abandonment Order). If an operator fails to commence the ordered work, CalGEM may undertake the plugging and abandonment of the well and associated decommissioning and remedial work and seek reimbursement from any solvent responsible party (PRC 3226).

When determining if there is a responsible operator, CalGEM has limitations on to whom it may assign liability. The statutory definition of operator may include a person or company that owned or operated the well. If the mineral rights owner does not retain control over the operation of the well, meaning they give control over to another entity to operate, then the mineral interest owners are shielded from responsibility for plugging and abandonment (PRC 3009 and 3237(c)). Where surface rights and mineral rights are severed, surface property owners have no ownership rights to the oil and gas wells and, therefore, cannot be held responsible for the wells under CalGEM's authorities.

If CalGEM determines that the most recent operator does not have sufficient financial resources, then CalGEM can look to previous operators until an operator is found that CalGEM determines has the financial resources to cover

the cost of plugging and abandoning the well or decommissioning deserted production facilities. However, there is a limit in how far back in ownership history CalGEM can go to hold past operators liable. The supervisor may not hold an operator responsible that made a valid transfer of ownership of the well before January 1, 1996 (3237(c)(2)).

HOLDING OPERATORS ACCOUNTABLE FOR THE COST OF ABANDONMENT

If CalGEM issues a plug and abandonment order, and the order is not complied with, CalGEM may appoint agents to perform the work. In those instances, CalGEM will attempt to collect the cost of the state abandonment from responsible parties. Under 3237, operators responsible for the plugging and abandonment include the most recent operator of the well and any previous operators who operated the well after January 1, 1996. CalGEM will use any assets recovered to fund or partially fund the abandonment work.

The estimated cost for well abandonment, facilities decommissioning, and lease restoration, including site remediation, is calculated by CalGEM staff using the method developed as part of pre-rulemaking activities to support operator financial liability reporting requirements established by PRC 3205.7 (Senate Bill 551 signed into law in 2019). Information on this cost estimation methodology can be found here: <https://www.conservation.ca.gov/calgem/Pages/Operator-Financial-Responsibility-Program.aspx>. The cost estimates assist CalGEM staff in planning state abandonment expenditures and serve as a strong basis for collections activities, including the issuance of liens on any real property identified as belonging to prior operators of the orphaned wells.

When CalGEM is able to identify assets associated to the operator on record or prior operators since 1996, CalGEM has the authority to issue a lien. Prior to 2022, CalGEM could issue a lien against real property for amounts expended by the state to perform work, but in 2022, AB 896 (Statutes of 2021, Bennett) amended PRC 3226, expanding CalGEM authorities to allow that before performing such work, the division may impose a lien against the real or personal property of the operator in an amount equal to an estimate of the cost of the work based on a bid from a contractor or previous costs to perform comparable work.

When seeking reimbursement of costs, CalGEM will send an invoice and

collection letters. If funds owed for the plug and abandonment of wells are not promptly paid, then CalGEM forwards information about the well operator's financial assets and amount owed to the State to the California State Controller's Office (SCO). The SCO will then process a lien against these assets and pursue reimbursement of all funds spent on or funds that may be spent to plug and abandon wells and remediate attendant facilities. Any funds collected will be used to fund the abandonment and decommissioning process, fully or partially, for that operator.

PROGRAM METRICS

To measure and assess the State Abandonment Program's progress, several metrics will be tracked.

i. Federal Reporting Metrics

The Department of Interior (DOI) has developed a standard data reporting template to track progress of abandonment efforts funded by the Federal grant. Reporting metrics that will be reported to the DOI are described below.

Federal Reporting Metrics
<p>Well status. The status of the well: <i>unplugged, plugged, plugged and vented or plugged and abandoned (P&A)</i>. Plugged and Abandoned (P&A) means the well has been plugged, the well site has been remediated and abandoned, and adjacent land has been reclaimed according to relevant standards.</p>
<p>Well locations. Geographic location of wells: <i>State, Tribe</i> (if the well is located on tribal land), <i>County</i> (location of the top hole of the well).</p>
<p>Surface Managing Entity. The type of entity, private ownership, State, Federal, Tribal, that owns the land surface.</p>
<p>Subsurface Managing Entity. The type of entity, private ownership, State, Federal, Tribal, that owns the subsurface mineral rights.</p>
<p>Producing Geologic Formation. Rock formation where the fluids were extracted or injected by the well.</p>
<p>Methane Emissions Measurement. To measure and track emissions of methane associated with the plugged well, pre- and post- plugging works. Post-plugging measurements are to verify the lack of methane emissions.</p>
<p>Habitat Restored (in acres). Acres restored; remediated land/soil and restored native species habitat that have been degraded due to the presence of this plug wells and associated pipelines, facilities, and infrastructure.</p>

Surface Water Contamination. Whether contaminated surface water associated with wells is present, and the type of contaminant indicators. Inspection for contamination is performed prior to commencement of plugging and abandonment.

Surface Water Remediation. If contamination is present pre- well plugging, remediation is to be performed. CalGEM will conduct post-plugging inspections to verify the lack of surface water contamination from plugged wells.

Groundwater Contamination. Whether contaminated groundwater associated with wells is present, and to include the type of contaminant indicators. Inspection for contamination is performed prior to commencement of plugging and abandonment.

Groundwater Remediation. If contamination is present pre- well plugging, remediation is to be performed. CalGEM will conduct post-plugging inspections to verify the lack of groundwater contamination from plugged wells.

Community Impact. Identify whether the well causes a disproportionate burden of adverse human health or environmental effects on communities of color, low-income communities, or Tribal and indigenous communities. The CalEnvironScreen tool and SB 535 Disadvantaged Communities Map will be used to determine whether a well affects a disadvantaged community. The determining factors or indicators can be distance to nearest community, distance to nearest occupied structure, community impacts are evident, etc.

Total Cost. The “costs of plugging, remediation, and reclamation for each orphaned well”; this is understood to mean capturing the complete P&A costs associated with a well site and its associated infrastructure and restoration. Total costs should include personnel, contracting, equipment, travel, compliance costs (e.g., NEPA, NHPA, ESA), and revegetation.

ii Greenhouse Gas Emissions Reduced

Starting with the 2022 state abandonment of HVI Cat Canyon wells in Santa Barbara County, CalGEM now requires all state abandonment contractors to perform pre and post-plugging methane measurements. Data can be used to estimate GHG reductions from plugging and abandonment according to specifications detailed in contract terms that satisfy Federal grant requirements for methane measurement and also aligns with the draft methane monitoring protocol, developed by the American Carbon Registry for oil and gas wells (<https://americancarbonregistry.org/carbon-accounting/standards-methodologies/plugging-abandoned-orphaned-oil-and-gas-wells>).

iii. Workforce development metrics

CalGEM is committed to the goals of SB 1295, as described above, in providing high-quality jobs for oil and gas workers transitioning from extraction to projects funded by the State Abandonment Program.

CalGEM aims to track and monitor the following program metrics to measure the impact of supporting high-road wages and job opportunities:

- Number of workers employed through state contracts for plug and abandonment.
- Wages for workers employed through state contracts for plug and abandonment.
- Percentage of workers employed through state contracts for plug and abandonment that have graduated from state-approved apprenticeship programs.
- Percentage of workers employed through state contracts for plug and abandonment that transitioned from the oil and gas production industry since 2023.

iv. Disadvantaged Community Benefits

This metric will measure the percentage of funds allocated to plug and abandon wells located within SB 535 Disadvantaged Communities. Disadvantaged communities have been disproportionately saddled with environmental health issues and are more vulnerable to and have fewer resources to address the impacts of these environmental harms. The Federal administration's Justice40 Initiative sets a goal for 40% of the overall benefits of certain federal investments to flow to disadvantaged communities. CalGEM has built on this to establish a goal for all state plug and abandonment efforts to allocate at least 40% of all state abandonment monies to benefit disadvantaged communities.

v. Expended by CalGEM District, County, and City

Measures the percentage of funds being allocated to plugging and abandoning wells in each of CalGEM District's boundaries and by county and city.

PROGRAM PROGRESS REPORTING**i. Annual Expenditure Plan Update and Progress Report**

With an unprecedented infusion of State and Federal funds to address California's orphan well problem, CalGEM is taking a statewide and systematic approach to identifying priority projects across the State to maximize risk reduction to California communities and the environment. CalGEM will publicly report orphan well abandonment progress and solicit public input and feedback on program activities. CalGEM will release an annual expenditure plan providing a status update on active abandonment projects, any revisions to the expenditure framework, and will propose additional projects for state abandonment.

ii. Web-based GIS Map Update

CalGEM has developed an interactive GIS map displaying CalGEM's current inventory of almost 5,300 orphan, deserted, and potentially deserted wells to facilitate public engagement. Each evaluated well on the map contains the associated screening score.

The current map shows CalGEM's screening results from the initial inventory list of orphan and likely orphan wells. CalGEM staff conducts further investigation which may result in the identification of responsible operators and remove the wells from the likely orphan well list. CalGEM will also add new wells in an annual update starting in 2024.

PRIORITIZATION APPROACH

CalGEM developed a 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. The prioritization methodology was finalized and released to the public in February 2023. This approach consists of two phases:

1. 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 .
2. Phase 2: a secondary evaluation incorporating local government and additional public feedback on the provisional ranking of Phase 1. CalGEM's efforts during Phase 2 included:
 - a. Holding public engagement meetings, summarized below (Table 1);

Public Engagement/Meetings	Date
Methane Task Force Public Meeting.	02/21/2023
Kern County, and cities within.	02/27/2023
Santa Barbara County, San Luis Obispo County, and cities within; Long Beach City, Los Angeles City.	02/28/2023
Los Angeles County, Orange County, and cities within.	03/02/2023
Ventura County	03/06/2023
San Benito County, Monterey County, Fresno County, Kings County, Tulare County, Merced County, Madera County, San Joaquin County, Santa Clara County, San Mateo County, Solano County, Stanislaus County, Contra Costa County, and cities within.	03/07/2023
Sacramento County, and cities within.	05/03/2023

Table 1 Local government meetings held to inform draft expenditure plan.

- 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 combining 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.

More detail on this two-phase methodology is provided in the CalGEM Final Orphan Well Screening and Prioritization Methodology document, which is available on the CalGEM website at:

<https://www.conservation.ca.gov/calgem/Pages/Orphan-Well-Screening-Methodology.aspx>

ENCUMBRANCE GOAL

Table 2 shows the minimum annual encumbrance goal for state and federal funding sources for the next seven years. These goals may be modified depending on availability of state and federal formula grant monies.

Annual Encumbrance Plan (\$ Millions)			
Fiscal Year	State	Federal	Total
2022 -23	\$14	\$22.5	\$36.5
2023 -24	\$27.5	\$22.5	\$50
2024 - 25	\$32.5	\$20	\$52.5
2025 - 26	\$32.5	\$30	\$62.5
2026 -27	\$25.7	\$30	\$55.7
2027 - 28	\$15	\$30	\$45
2028 - 29	\$5	\$10	\$15
Total	\$152	\$165	\$317

Table 2. State Abandonment 7-year encumbrance goals (\$ in Millions).

PROCESS AND CONTRACT APPROACH

i. Overview of Contract Process

The State contracts for professional engineering services (including state abandonment) are called Architecture and Engineering (A&E) agreements. CalGEM's authority on A&E can be found in relevant sections of the Public Contract Code and Government Code, including section 4525 *et seq.* and California Code of Regulations, title 14, section 1690 *et seq.* A&E solicitations use a competitive process that allows for the selection of firms based on qualifications and costs rather than "low-cost." The selection of an A&E contractor is based on demonstrated competence and professional qualifications to perform the work required at a fair and reasonable price.

CalGEM District staff will manage these contracts, review progress reports by the contractor, and perform regular inspections to ensure the work adheres to contract terms. When CalGEM determines a change during the contract term is necessary, the contractor must provide a proposed work plan and a fair and reasonable cost. If CalGEM agrees it is fair and reasonable, an amendment will be executed. Amendments for up to 30% of the contract value can be executed under standard circumstances. In emergency circumstances, CalGEM can execute amendments, as long as there is no major change in Statement of Work.

For plugging and abandonment work, some key provisions specified in the contract are:

1. Plug and abandonment standards to satisfy the minimum regulatory requirement in California Code Regulations, title 14, section 1723 *et seq.* - Plugging and Abandonment. Additional requirements would be determined on a site-by-site basis.
2. Pre- and post-abandonment methane monitoring requirements developed by CalGEM, which are informed by the American Carbon Registry Protocol for estimating GHG emissions from oil and gas wells, and satisfy the Federal Methane Measurement protocol.
3. Surface and groundwater sampling programs that satisfy the Federal grant funding report requirement, Division's Notice to Operators 2019-13,

and Regional Water Quality Control Board and Department of Toxic Substances Control guidance.

4. Surveys for evidence of contamination at each well pad and production facility. Evidence includes but is not limited to soil stains, soil odor, dead vegetation, spill records, and available water supply records and testing. Contractors prepare reports of findings and submit to Division and the Regional Water Quality Control Board.
5. Sampling and analysis, following Sampling and Analysis Plans and Quality Assurance and Quality Control Plans. Investigation and analytic tests for solids, liquids, and sludges are required to follow Division, Regional Water Quality Control Board, and Department of Toxic Substances Control requirements and guidance. The analyses will be completed through a California Environmental Laboratory Accreditation Program (ELAP) certified laboratory.
6. Prevailing wage requirement that follows California and Federal regulations (discussed further in section **iii. Workforce Development**)

ii. Environmental Review to be Performed

California Environmental Quality Act (CEQA) Compliance. CalGEM's action to plug and abandon orphan well(s) is a project under the California Environmental Quality Act (CEQA). As such, each time CalGEM contracts to undertake plugging and abandonment of wells and associated facilities decommissioning and site remediation (project) CalGEM must conduct a CEQA review to determine if the project will have a significant impact upon the environment.

The CEQA review begins with a preliminary review (PR) that considers and analyzes all activities above and below the earth's surface, including but not limited to: biological resources (e.g., federal and State-listed species), a change in use, change in existing facilities, cumulative impacts, and other potential environmental impacts outside of species information. A PR concludes with one of two staff recommendations: (1) CalGEM finds that the project is exempt from further CEQA review; or (2) CalGEM prepares an initial study (IS).

CalGEM's CEQA regulations generally provide that plugging and abandonment

of oil and gas wells is exempt from further CEQA review. However, a project would not be exempt if there is a reasonable possibility that the project will have a significant impact on the environment due to unusual circumstances. If CalGEM finds that a project is exempt, CalGEM staff will file a Notice of Exemption with the State Clearinghouse (SCH) informing the public that the CEQA review process on a project is complete. If CalGEM finds that an exemption does not apply, CalGEM will conduct an IS.

The purpose of an IS is to determine whether a project may have a significant environmental impact. An IS analyzes a project's planning, implementation, and operation phases. Analysis in an IS is guided by, but is not limited to, issues in CEQA Guidelines, Appendix G: Environmental Checklist. (Table 3)

Table 3 - CEQA Guidelines, Appendix G: Environmental Checklist. 2023

Aesthetics	Agriculture and Forestry Resources	Air Quality
Biological Resources	Cultural Resources	Energy
Geology/Soils	Greenhouse Gas Emissions	Hazards & Hazardous Materials
Hydrology/Water Quality	Land Use/Planning	Mineral Resources
Noise	Population/Housing	Public Services
Recreation	Transportation	Tribal Cultural Resources
Utilities/Service Systems	Wildfire	Mandatory Findings of Significance

If CalGEM determines that a project requires an IS, CalGEM will consult informally with all responsible and trustee agencies responsible for resources affected by a project to obtain the agencies' recommendations as to whether to prepare a negative declaration (ND), mitigated negative declaration (MND), or environmental impact report (EIR).

In addition to the tribal consultation and cultural resources monitoring discussed below, as part of the initial study (IS) process, CalGEM will notify the designated contact or a tribal representative of traditionally and culturally affiliated

California Native American tribes that requested notice of a project. CalGEM must begin the tribal consultation process within 30 days of receiving a Tribe's request for consultation and prior to the release of an ND, MND, or EIR. Tribal consultation ends when either (1) the parties agree on measures to avoid or mitigate a significant tribal cultural resources impact, which will be incorporated in the CEQA document, or (2) when a party, "acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached" on such measures.

If an IS indicates that there is no substantial evidence that a project may cause a significant impact on the environment without or with mitigation, CalGEM will prepare an ND or MND, respectively. In deciding which environmental document to prepare, "substantial evidence" means "enough relevant information and reasonable inferences from this information that a fair argument can be made to support a conclusion, even though other conclusions might also be reached." Substantial evidence includes facts, reasonable assumptions based upon facts, and expert opinion supported by facts. Substantial evidence does not include argument, speculation, unsubstantiated opinion or narrative, evidence which is clearly erroneous or inaccurate, or evidence of social or economic impacts which do not contribute to or are not caused by physical impacts on the environment. The process ends when CalGEM adopts the document and files a Notice of Determination with the SCH informing the public that the CEQA review process on a project is complete.

If there is substantial evidence that a project may have a potentially significant environmental impact that cannot be avoided or mitigated to a less-than-significant level, CalGEM will prepare an EIR. An EIR generally takes longer to complete than an ND or MND because the EIR process invokes additional requirements. They include, but are not limited to, holding a public scoping meeting, responding in writing to public comments, identifying and assessing alternatives to the proposed project, and potentially preparing a statement of overriding considerations related to findings of significance. The process ends when CalGEM certifies the final EIR and files a Notice of Determination with the SCH informing the public that the CEQA review process is complete.

Endangered Species. To ensure United States Fish and Wildlife Service (USFWS) and California Department Fish and Wildlife (CDFW) regulatory compliance, an

environmental review is required if the work sites fall within endangered species zones. CalGEM will consult with USFWS and/or CDFW on this effort when making IFB documents that include conducting clearance surveys at each work site and listing avoidance and minimization measures. If mitigations are needed, the work (including personnel qualification) will be identified in the contract.

Cultural Monitoring. CalGEM is committed to early, often, and meaningful consultations with California Native American tribes with the goal of collaborative partnership and meaningful inclusion of tribal governments' priorities and interests throughout CalGEM's work. In addition to above discussion on CalGEM's process to notify and consult on initial study (IS), CalGEM works with the Native American Heritage Commission (NAHC) to identify whether there are any California Native American tribes with traditional or cultural affiliations with the project area. If a proposed project or well sites are located in a culturally sensitive location, CalGEM will conduct outreach and consultation to identified tribes before any ground disturbing activities in order to identify any concerns with planned work and to discuss opportunities for tribal monitoring to ensure Native American tribal cultural resources are not damaged.

iii. Workforce Development

Contracts issued for any work to plug and abandon wells, decommission production facilities, or otherwise remediate well sites will require all contractors and subcontractors to compensate and employ all workers in compliance with the prevailing wage determinations issued by the Department of Industrial Relations (DIR) under California Labor Code section 1771 or the U.S. Department of Labor under the federal Davis-Bacon Act. Contractors and subcontractors shall pay whichever of the two wages (State or Federal) is higher for each applicable job classification. DIR prevailing wage determinations are available at: <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>

and Federal prevailing wage determinations are available at: <https://sam.gov/content/wage-determinations>

Contractors are responsible for determining proper work classifications for prevailing wage purposes and ensuring that the applicable prevailing wages are paid. In addition, no later than January 1, 2028, CalGEM will include in all

state abandonment contracts requirements that all contractors and 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.

Contractors considered qualified to carry out state abandonment work shall have, as documented by one or more written agreements, engaged with local community groups, business groups, and worker representatives to collaborate on the recruitment of local or targeted workers, including those impacted by changes in oil and gas production.

Contractors that commit through written agreement to hiring apprentices from High Road Training Partnerships funded by the Oil and Gas Well Capping Pilot initiative administered by the California Workforce Development Board will have preference through the awarding of additional points toward their bid or through other mechanisms.

UPDATE ON CURRENT STATE ABANDONMENT PROJECTS

i. HVI Cat Canyon, Inc. Update

Prior to receiving the additional State or Federal funds, CalGEM had identified approximately 210 wells in the Cat Canyon field in Santa Barbara County, near the cities of Santa Maria and Orcutt, previously operated by HVI Cat Canyon, Inc., as orphan wells in an environmentally sensitive area. These wells were identified as a priority because of the operator's poor track record in well management and maintenance, previous well leaks and broken pipelines, and their location near sensitive receptors, including agricultural workers, indicating these wells were likely to continue to be a hazard to people and the environment.

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, and resulted 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 the first phase of this state abandonment project, 172 wells will be plugged and permanently sealed. These wells and facilities are located in 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. The work to remediate the 172 wells includes the proper closure and removal of associated pipelines and facilities. The remaining 38 wells will be addressed in a subsequent phase, as they may require more complex remedial work.

In August 2022, CalGEM executed a contract to abandon the 171 orphan wells, with a scheduled completion date of December 31, 2024. One other well ("Nodlew" 1) is on a standalone contract with a short duration contract to address a gas leak.

As of June 19, 2023, 50 wells have been plugged and abandoned.

ii. Caltico Oil Company Update

In northern Los Angeles County, near the city of Santa Clarita, 55 wells and attendant facilities at the Placerita Oil Field belonging to Caltico Oil Company were identified as likely orphaned. Designated as non-compliant since 2016, CalGEM issued a plug and abandonment order to Caltico Oil Co. in June 2020, to plug and abandon all 55 of their wells and attendant facilities. In February 2021, CalGEM made the determination that these wells were presumed orphan as no responsible operator with financial resources to cover the cost of plugging and abandoning these wells was found.

The work to plug and abandon these wells is underway. Through June 2023, clean out efforts have removed 985 tons of concrete, 394 tons of construction and demolition debris materials (poly, gravel, soil, refuse), and 42 tons of mixed ferrous metals. As of June 19, 2023, 51 wells, including one nearby well operated by Century Oil Company, have been plugged and abandoned in Placerita and most facilities have been decommissioned at a cost of \$3.2 million. An Invitation for Bid is being written to complete the work on the five remaining wells.

OVERVIEW OF FIRST PACKAGE OF PROPOSED PROJECTS

Following the completion of its screening and prioritization efforts described above, CalGEM conducted a thorough review of the highest priority wells and identified a package of proposed early projects to kick off its expanded state abandonment program.

This first group of proposed projects includes the plugging and abandonment of 378 wells across California. The majority of these wells rank in the top two tiers of CalGEM's risk-based initial screening method used to help prioritize wells statewide (see Appendix B)—meaning that they were identified as some of the highest-risk wells in the state. These wells were identified as higher risk because generally, they have had a history of leaks, a history of 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 for sealing.

The total anticipated cost for this proposed package of projects is estimated to be around \$80 million.

These wells are located across all three CalGEM districts, with a concentration in the Kern, Los Angeles, Orange, Ventura, Kings, Fresno, and Santa Barbara counties.

This package of proposed projects is estimated to invest 40% of the funds within SB 535 Disadvantaged Communities, recognizing and investing in California communities most burdened with and vulnerable to the negative impacts of environmental harms and pollution.

The following are brief descriptions of the proposed wells for state abandonment, listed by operator of record. CalGEM may group these wells differently for purposes of contracting in order to obtain efficiencies that may exist due to geographic proximity, difficulty of abandonment, or other factors. Appendix B provides more details, including the well ID, well type, well status, and estimated cost.

AllenCo Energy, Inc., 21 wells and onsite tank facility in Los Angeles

This Southern District operator has 21 wells and an onsite tank facility located in

Los Angeles, California in the Las Cienegas field, approximately 1000 feet west and 2000 feet south of where the 110 and 10 freeways intersect. The location is situated between Saint James Park to the south, residential properties to the north, and St. Vincent Elementary School approximately 800 feet to the southeast, and is located within an SB 535 Disadvantaged Community.

For the past decade, the City of Los Angeles, CalGEM, and other agencies have taken numerous enforcement and legal actions in response to concerns that AllenCo was in violation 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 also expressed serious concerns and has called for the clean-up of this site. In September 2019, CalGEM issued an order to AllenCo to depressurize the wells, with which AllenCo refused to comply. CalGEM hired a contractor to depressurize the wells, to help ensure the site remained safe for the community. In 2020, CalGEM also ordered AllenCo to permanently close its Saint James drill site.

Cache Oil Co., 1 well in Los Angeles

The Cache Oil Company's Knapp 4-1 well has been idle for many years and has had a history of leaks. The well is near a neighborhood in the Canoga Park section of Los Angeles. It is also near a recreational area frequented by many.

The well was previously abandoned but based on questions about the integrity of the previous abandonment CalGEM issued an order on September 2, 2021, to reabandon the well. That order became final on October 13, 2021, and CalGEM declared the well orphan on March 10, 2022.

Canoga Oil Company, 3 wells in Los Angeles

These three wells are near a neighborhood in the Canoga Park section of Los Angeles. They are also near a recreational area frequented by many. The wells have been idle for many years and one well (Knapp 1) has a history of leaks and is located near homes. Because of the history of leaks and its close proximity to homes, Knapp 1 has been declared hazardous.

Canoga Oil Co. was issued an order to plug and abandon or reabandon its wells on October 4, 2021, which became final on October 19, 2021. CalGEM declared the wells orphan on March 10, 2022. CalGEM proposes abandoning or reabandoning all wells in the Canoga Park field that are currently not buried, which includes these three operated by Canoga Oil Co., as well as one well belonging to Frank Knapp (Lui, Cheng, and Lin), and one well belonging to Cache Oil Co. If the remaining five wells known to be currently buried in the Canoga Park field are located, then CalGEM may also abandon those as well.

Citadel Exploration Inc., 37 wells near Bakersfield

Citadel Exploration Inc. has 38 orphan wells, of which 37 are near Bakersfield. 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.

Citadel Exploration failed to pay idle well fees in 2017 and 2018. The failure to pay these fees is conclusive evidence of desertion. In 2020, CalGEM issued an order to Citadel Exploration to plug and abandon 27 deserted wells, decommission attendant facilities, pay outstanding idle well fees and pay a civil penalty. Citadel Exploration did not comply with the order and a subsequent order was issued in 2022. Citadel Exploration has failed to comply with either order.

Clarence R. Barnett Inc., 2 wells and facilities near the City of Simi Valley

Clarence R. Barnett Inc.'s two long-term idle wells and facilities are in the Simi

Field on the northern edge of the City of Simi Valley in Ventura County. Both wells are within 150 feet of houses and about 650 feet of a densely populated residential area. The operator last reported oil production was in October 2013, and the operator has failed to comply with idle well testing requirements or pay idle well fees. Environmental lease inspections show debris, trash, and weeds at the wells and facility. In 2015, this operator filed for bankruptcy.

In 2015, CalGEM determined the wells to be deserted and issued an order to plug and abandon both wells and decommission the associated facilities—this order was not complied with. In 2017, the Ventura County Planning Division terminated the operator's facilities permit.

Crown of the Valley Oil Co., 1 well in Brea

The Crown of the Valley Oil Company Well 1 has been idle for many years. It is just north of Brea Canyon Road near residential areas of Brea. CalGEM issued an order to plug and abandon the well on May 27, 2022, which became final on July 16, 2022. CalGEM declared the well orphan on January 3, 2023.

Estate of Harold C. Morton, 1 well in Long Beach

Well No. 5 of the Estate of Harold C. Martin is in Long Beach, approximately 300 feet southeast of the Signal Hill Police Department. The well also resides in a SB 535 Disadvantaged Community. The well has been idle for many years.

CalGEM issued an order to plug and abandon the well on July 8, 2022, which became final on August 28, 2022. CalGEM declared the well orphan on December 6, 2022.

Frank Knapp and Liu, Cheng, and Lin, 1 well in Los Angeles

The Knapp 3 (Frank Knapp well has been idle for many years and has had a history of leaks. The well is near a neighborhood in the Canoga Park section of Los Angeles. It is also near a recreational area frequented by many. Because of the leaking oil and close proximity to homes, the well has been declared hazardous.

CalGEM issued an order to plug and abandon the Knapp 3 well on October 25,

2019, which became final on November 11, 2019. CalGEM declared the well orphan on February 28, 2022. The operator has been cited for numerous violations including non-compliance with idle well fees, failure to provide monthly production data, failure to perform idle well testing, and failure to update agent information.

Griffin Resources, LLC., 25 wells and facilities in Bakersfield

In early 2019, Griffin Resources had an underground pipeline failure in the Fruitvale Field in Bakersfield. The failure resulted in a spill along a major roadway. A few months later several other incidents occurred from this operator's production facilities. Another pipeline leaking oil was discovered near a city water canal in the parking lot of a residential complex. A shut-in well with built-up gas pressure blew out a stuffing box, resulting in a release of oil and gas. Another well began leaking gas into a residential neighborhood. In late 2019, yet another pipeline in the Fruitvale Field was found to be leaking in the same residential complex.

In 2021, Griffin Resources had another oil spill/discharge occur at one of its wells. In 2022, several of the idle Griffin Resource wells were discovered to be leaking methane into the atmosphere around residential neighborhoods.

CalGEM issued multiple remedial orders for Griffin Resources to perform remedial work in 2019. After discovering a regional phenomenon of high pressure affecting three of the idle Griffin wells, CalGEM issued an emergency remedial and plug and abandonment order in 2022, which has been appealed by the operator. This operator has a history of oil/gas discharges, as well as a history of non-compliance with regulatory requirements.

Griffin Resources has 25 wells and associated facilities in the Fruitvale Field. All 25 wells are critical wells. Ten of the 25 wells reside in a SB 535 Disadvantaged Community. Many of Griffin Resources' wells are within 100 feet of residential and commercial structures.

Hartley Natural Resource Development, 1 well near Bakersfield

Hartley Natural Resources Development Well T.S.A. 14X is open to the surface. This long-term idle well is in the Edison Field, 10 miles southeast of Bakersfield in a SB 535 Disadvantaged Community. The well is in violation due to it being open to the surface.

In 2021, CalGEM issued an order to pay a civil penalty due to Hartley Natural Resource Development's failure to submit a Pipeline Management Plan to comply with regulations. In 2022, CalGEM issued a plug and abandonment order to Hartley Natural Resource Development based on the failure to pay idle well fees and submit a Pipeline Management Plan. The well was declared orphan in 2023.

Peak Operator, LLC., 39 wells and facilities near Oxnard

CalGEM has determined that Peak Operator, LLC has deserted its 39 wells and associated facilities in the Oxnard and Saticoy Fields. The operations have been cited for numerous violations over many years. The wells are located on the outskirts of Oxnard in Ventura County, within 3,200 feet of residential facilities. Most of these wells are also located within a SB 535 Disadvantaged Community. In addition, a water canal, as close as 230 feet from a well, runs north to south dividing areas of the field.

In 2022, CalGEM ordered the operator to plug and abandon 15 of their idle wells because of unresolved violations. The operator had not submitted an Idle Well Management Plan and failed to pay idle well fees for three years. Other violations included failure to submit production data, improper tank identification, failure to provide tank containment, not removing fluids in well cellars, missing bolts in wellheads, and failure to control weeds (a fire hazard). CalGEM issued a second plug and abandonment order on June 2, 2023 for the remaining 24 wells.

Prine Oil Company, 1 well near Lamont

The Prine well has a history of unresolved violations from 2020 including being open to the surface. The well is located in the Mountain View Field near Lamont.

In 2022, CalGEM issued a plug and abandonment order for the well, citing a failure to pay idle well fees, no designation of an agent, and a history of non-compliance. CalGEM determined that the well was orphan in 2023.

Rex Oil Co., 1 well in Huntington Beach

Rex Oil Co.'s Montebello 5 oil well is located approximately 40 feet south of Garfield Avenue, between Stewart Ln. and Gothard St. A residential apartment complex is located approximately 420 feet east of the wellhead on Gothard St. CalGEM determined the well is a hazardous well and an orphan well on October 11, 2022.

The operator has had additional violations for non-compliance including not paying idle well fees and failing to submit a Well Testing Compliance Work Plan (TCWP). CalGEM determined the well is a hazardous well and an orphan well on October 11, 2022.

Santa Ana Canyon Dev. Corp., 1 well near Yorba Linda

CalGEM took an emergency response action to address a spill from Santa Ana Canyon Dev. Corporation's Well Reeves 2. The well had oil coming from its cellar when CalGEM took action to remedy the situation. The well has potential casing integrity issues and has been observed leaking during a FLIR inspection. The well is on the hazardous well list. The well is near homes in Yorba Linda.

Other violations that the operator has been cited for include out of date agent information, outstanding fees, non-submittal of production reports, leaking casing valves, inadequate tank labeling, inadequate enclosure fencing, and overgrown dry weeds.

CalGEM issued a plug and abandonment order on June 16, 2022, and declared the well orphan on August 10, 2022.

Sunray Petroleum, Inc.

Blackstone Oil and Gas, LLC., 59 wells near Bakersfield, Arvin, and Lamont

Sunray Petroleum and Blackstone Oil and Gas have had multiple unresolved violations dating back to 2017, and operate several wells located near

communities found to be leaking last summer and last month as part of a Methane Task Force joint inspection effort in the Arvin and Lamont community. Many of the violations are related to wells and production facilities left in place without appropriately placing the equipment out of service and failure to conduct operations in accordance with good oilfield practices.

Sunray is the operator of 22 wells and facilities located in the Fruitvale, Kern Bluff, and Mountain View Fields. These fields are located in and around Bakersfield, Arvin, and Lamont. Thirteen of the 22 wells are in SB 535 Disadvantaged Communities.

In early 2022, CalGEM issued a plug and abandonment order noting that the 22 wells and associated facilities had been deserted. Sunray Petroleum appealed the order.

Blackstone Oil and Gas, LLC. is the operator of 37 wells that used to be operated by Sunray. The wells and associated facilities are also in the Fruitvale and Mountain View Fields. All 37 wells are in a SB 535 Disadvantaged Community. In 2011, Sunray Petroleum, Inc. filed for bankruptcy and the court appointed a bankruptcy trustee to oversee the estate. The trustee sold the 37 wells to Blackstone Oil and Gas in the course of the bankruptcy proceedings. In 2017, the trustee discharged the bankruptcy. In December of 2022, CalGEM issued a plug and abandonment order to both Blackstone Oil and Gas and the previous operator, Sunray Petroleum, for the abandonment of these 37 wells. The reasons for the order included the operators' failure to pay idle well fees from 2018 to 2021, failure to address cited violations dating back to 2017, failure to comply with spill contingency plan requirements, and an overall lack of response to inquiries and requests from CalGEM. The order was appealed by Blackstone Oil and Gas initially but the appeal has been resolved, with the order now being final. Both operators have provided CalGEM with financial information demonstrating a limited ability to pay for the abandonment work required.

Tri-Valley Oil & Gas Co., 6 wells and facilities in Kern and Fresno counties

Tri-Valley Oil & Gas has a history of non-compliance dating back to 2006. The operator has six wells located in Kern and Fresno Counties. All six wells are

located in SB 535 Disadvantaged Communities. 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. In 2023, CalGEM issued a plug and abandonment order for all their existing wells and associated facilities.

Vaca Energy, LLC, 6 wells and facilities near Oxnard

Vaca Energy has six long-term idle wells and facilities in the West Montalvo Field, just west of Oxnard in Ventura County. This operation has been cited with many violations. All wells are located within a SB 535 Disadvantaged Community.

In 2021, CalGEM ordered Vaca Energy to pay a civil penalty, imposed for failure to submit a pipeline management plan. The operator has also failed to pay idle well fees for three years. Other violations for which Vaca has been cited include failure to conduct required idle well testing, failure to submit production data, inadequate maintenance of facility's gate and fence, and trash and excessive weeds on the lease. On March 17, 2022, CalGEM ordered the operator to plug and abandon their wells, decommission the facilities, and restore the well sites.

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APPENDIX A: FEDERAL GRANT APPLICATION CONTENTS

Initial and Formula Grant applications must contain the required Federal Forms below in order to be deemed complete:

1. SF-424v4 Application for Federal Assistance
2. SF-424A Budget Information for Non-Construction Programs
3. SF-LLL Disclosure of Lobbying Activities (if applicable)
4. OMB Form 4040-0010 Key Contacts Form
5. OMB Control No. 1093-0012 Work Plan
6. OMB Form 4040-0019 Project Abstract Summary

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

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
1	AllenCo Energy, Inc.	0403720383	Well	St. James 1	Southern	Los Angeles	-	Las Cienegas	Tier 2	Yes
2	AllenCo Energy, Inc.	0403720455	Well	St. James 10	Southern	Los Angeles	-	Las Cienegas	Tier 2	Yes
3	AllenCo Energy, Inc.	0403705177	Well	St. James 11	Southern	Los Angeles	-	Las Cienegas	Tier 2	Yes
4	AllenCo Energy, Inc.	0403720511	Well	St. James 12	Southern	Los Angeles	-	Las Cienegas	Tier 2	Yes
5	AllenCo Energy, Inc.	0403720372	Well	St. James 13	Southern	Los Angeles	-	Las Cienegas	Tier 2	Yes
6	AllenCo Energy, Inc.	0403720609	Well	St. James 14	Southern	Los Angeles	-	Las Cienegas	Tier 2	Yes
7	AllenCo Energy, Inc.	0403720194	Well	St. James 15-1	Southern	Los Angeles	-	Las Cienegas	Tier 1	Yes
8	AllenCo Energy, Inc.	0403720203	Well	St. James 16	Southern	Los Angeles	-	Las Cienegas	Tier 2	Yes

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
9	AllenCo Energy, Inc.	0403720191	Well	St. James 17	Southern	Los Angeles	-	Las Cienegas	Tier 2	Yes
10	AllenCo Energy, Inc.	0403720308	Well	St. James 18	Southern	Los Angeles	-	Las Cienegas	Tier 1	Yes
11	AllenCo Energy, Inc.	0403720165	Well	St. James 19	Southern	Los Angeles	-	Las Cienegas	Tier 2	Yes
12	AllenCo Energy, Inc.	0403720356	Well	St. James 2	Southern	Los Angeles	-	Las Cienegas	Tier 2	Yes
13	AllenCo Energy, Inc.	0403720125	Well	St. James 20	Southern	Los Angeles	-	Las Cienegas	Tier 2	Yes
14	AllenCo Energy, Inc.	0403720628	Well	St. James 21	Southern	Los Angeles	-	Las Cienegas	Tier 2	Yes
15	AllenCo Energy, Inc.	0403706333	Well	St. James 3	Southern	Los Angeles	-	Las Cienegas	Tier 1	Yes
16	AllenCo Energy, Inc.	0403720439	Well	St. James 4	Southern	Los Angeles	-	Las Cienegas	Tier 1	Yes
17	AllenCo Energy, Inc.	0403720475	Well	St. James 5	Southern	Los Angeles	-	Las Cienegas	Tier 2	Yes

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
18	AllenCo Energy, Inc.	0403720275	Well	St. James 6	Southern	Los Angeles	-	Las Cienegas	Tier 2	Yes
19	AllenCo Energy, Inc.	0403720476	Well	St. James 7	Southern	Los Angeles	-	Las Cienegas	Tier 2	Yes
20	AllenCo Energy, Inc.	0403720564	Well	St. James 8	Southern	Los Angeles	-	Las Cienegas	Tier 1	Yes
21	AllenCo Energy, Inc.	0403720502	Well	St. James 9	Southern	Los Angeles	-	Las Cienegas	Tier 2	Yes
22	AllenCo Energy, Inc.	90295598	Facility	St. James Drill Site	Southern	Los Angeles	-	Las Cienegas	-	Yes
23	AllenCo Energy, Inc.	072	Facility	St. James Drill Site	Southern	Los Angeles	-	Las Cienegas	-	Yes
24	Cache Oil Co	0403701160	Well	Knapp 4-1	Southern	Los Angeles	-	Canoga Park	Tier 2	No
25	Canoga Oil Co.	0403701161 0403701162	Well	Knapp 1 and 1A	Southern	Los Angeles	-	Canoga Park	Tier 2	No
26	Crown of the Valley Oil Co.	0405907151	Well	1	Southern	Orange	-	Brea-Olinda	Tier 2	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
27	Estate of Harold C. Morton	0403709398	Well	5	Southern	Los Angeles	-	Long Beach	Tier 2	Yes
28	Frank Knapp + Liu, Cheng, and Lin	0403700494	Well	Knapp 3 (Frank Knapp)	Southern	Los Angeles	-	Canoga Park	Tier 2	No
29	Canoga Oil Co.	0403701166	Well	Knapp 6	Southern	Los Angeles	-	Canoga Park	Tier 2	No
30	Rex Oil Co.	0405902334	Well	Montebello 5	Southern	Orange	Huntington Beach	Huntington Beach	Tier 2	No
31	Santa Ana Canyon Dev. Corp.	0405905532	Well	Reeves 2	Southern	Orange	-	Esperanza	Tier 2	No
32	Santa Ana Canyon Dev. Corp.	90295552	Facility	Reeves Tank Farm	Southern	Orange	-	Esperanza	-	No
33	Clarence R. Barnett Inc.	0411100125	Well	Patterson Ranch 1	Northern	Ventura	-	Simi	Tier 2	No
34	Clarence R. Barnett Inc.	0411100126	Well	Patterson Ranch 2	Northern	Ventura	-	Simi	Tier 2	No
35	Clarence R. Barnett Inc.	90296457	Facility	Patterson Ranch	Northern	Ventura	-	Simi	-	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
36	HVI Cat Canyon - 171 Wells	0408320707	Well	Acquistapace 1	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
37	HVI Cat Canyon - 171 Wells	0408302685	Well	Bettiga 1	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
38	HVI Cat Canyon - 171 Wells	0408321268	Well	Bettiga B 5	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
39	HVI Cat Canyon - 171 Wells	0408321297	Well	Bettiga B 6	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
40	HVI Cat Canyon - 171 Wells	0408321287	Well	Bettiga B 3	Northern	Santa Barbara	-	Santa Maria Valley	Tier 2	No
41	HVI Cat Canyon - 171 Wells	0408321230	Well	Bettiga B 4	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
42	HVI Cat Canyon - 171 Wells	0408321131	Well	Conoco 1-31	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
43	HVI Cat Canyon - 171 Wells	0408302699	Well	Cree-Security 1	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
44	HVI Cat Canyon - 171 Wells	0408320679	Well	East Valley Farms 15-31	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
45	HVI Cat Canyon - 171 Wells	0408301195	Well	Fullerton 1	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
46	HVI Cat Canyon - 171 Wells	0408320234	Well	Fullerton 8	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
47	HVI Cat Canyon - 171 Wells	0408320355	Well	Fullerton 12	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
48	HVI Cat Canyon - 171 Wells	0408320362	Well	Fullerton 10	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
49	HVI Cat Canyon - 171 Wells	0408320357	Well	Fullerton 11	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
50	HVI Cat Canyon - 171 Wells	0408320358	Well	Fullerton 9	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
51	HVI Cat Canyon - 171 Wells	0408322053	Well	Fullerton 105	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
52	HVI Cat Canyon - 171 Wells	0408322055	Well	Fullerton 107	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
53	HVI Cat Canyon - 171 Wells	0408322056	Well	Fullerton 109	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
54	HVI Cat Canyon - 171 Wells	0408322057	Well	Fullerton 110	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
55	HVI Cat Canyon - 171 Wells	0408322058	Well	Fullerton 111	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
56	HVI Cat Canyon - 171 Wells	0408321948	Well	Fullerton 103	Northern	Santa Barbara	-	Cat Canyon	Tier 2	No
57	HVI Cat Canyon - 171 Wells	0408321949	Well	Fullerton 104	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
58	HVI Cat Canyon - 171 Wells	0408322256	Well	Fullerton 200H	Northern	Santa Barbara	-	Cat Canyon	Tier 2	No
59	HVI Cat Canyon - 171 Wells	0408322257	Well	Fullerton 201H	Northern	Santa Barbara	-	Cat Canyon	Tier 2	No
60	HVI Cat Canyon - 171 Wells	0408322261	Well	Fullerton 205H	Northern	Santa Barbara	-	Cat Canyon	Tier 2	No
61	HVI Cat Canyon - 171 Wells	0408321821	Well	Fullerton 14	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
62	HVI Cat Canyon - 171 Wells	0408321888	Well	Fullerton 15	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
63	HVI Cat Canyon - 171 Wells	0408301207	Well	G. Gibson 1	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
64	HVI Cat Canyon - 171 Wells	0408301208	Well	G. Gibson 2	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
65	HVI Cat Canyon - 171 Wells	0408301209	Well	G. Gibson 3	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
66	HVI Cat Canyon - 171 Wells	0408301210	Well	G. Gibson 5	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
67	HVI Cat Canyon - 171 Wells	0408301211	Well	G. Gibson 6	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
68	HVI Cat Canyon - 171 Wells	0408301212	Well	G. Gibson 7	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
69	HVI Cat Canyon - 171 Wells	0408301213	Well	G. Gibson 8	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
70	HVI Cat Canyon - 171 Wells	0408301214	Well	G. Gibson 9	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
71	HVI Cat Canyon - 171 Wells	0408301152	Well	G. Gibson 4	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
72	HVI Cat Canyon - 171 Wells	0408321075	Well	G. T. Adam Et Al B1	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
73	HVI Cat Canyon - 171 Wells	0408321327	Well	G. T. Adam Et Al B3	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
74	HVI Cat Canyon - 171 Wells	0408321328	Well	G. T. Adam Et Al B4	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
75	HVI Cat Canyon - 171 Wells	0408321395	Well	G. T. Adam Et Al B5	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
76	HVI Cat Canyon - 171 Wells	0408320594	Well	Golco Fee 121-9	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
77	HVI Cat Canyon - 171 Wells	0408320571	Well	Golco Fee 11-9	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
78	HVI Cat Canyon - 171 Wells	0408320654	Well	Golco Fee 105-9	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
79	HVI Cat Canyon - 171 Wells	0408322110	Well	Golco Fee 111-9	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
80	HVI Cat Canyon - 171 Wells	0408322048	Well	Golco Fee 110-9	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
81	HVI Cat Canyon - 171 Wells	0408322134	Well	Golco Fee 36-9	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
82	HVI Cat Canyon - 171 Wells	0408320657	Well	Golco Fee 136-9	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
83	HVI Cat Canyon - 171 Wells	0408320652	Well	Golco Fee 125-9	Northern	Santa Barbara	-	Santa Maria Valley	Tier 2	No
84	HVI Cat Canyon - 171 Wells	0408320653	Well	Golco Fee 22-9	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
85	HVI Cat Canyon - 171 Wells	0408320327	Well	Golco Fee 21-9	Northern	Santa Barbara	-	Santa Maria Valley	Tier 2	No
86	HVI Cat Canyon - 171 Wells	0408320744	Well	Golco Fee 143-9	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
87	HVI Cat Canyon - 171 Wells	0408300733	Well	Golco Fee 42-9	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
88	HVI Cat Canyon - 171 Wells	0408300734	Well	Golco Fee 43-9	Northern	Santa Barbara	-	Santa Maria Valley	Tier 2	No
89	HVI Cat Canyon - 171 Wells	0408322093	Well	Golco-Nicholson 44-9	Northern	Santa Barbara	-	Santa Maria Valley	Tier 2	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
90	HVI Cat Canyon - 171 Wells	0408320968	Well	Goodwin Fee 7-4A	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
91	HVI Cat Canyon - 171 Wells	0408321418	Well	Harbordt 6-14	Northern	Santa Barbara	-	Cat Canyon	Tier 4	No
92	HVI Cat Canyon - 171 Wells	0408321419	Well	Harbordt 7-13	Northern	Santa Barbara	-	Cat Canyon	Tier 4	No
93	HVI Cat Canyon - 171 Wells	0408321420	Well	Harbordt 8-14	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
94	HVI Cat Canyon - 171 Wells	0408321421	Well	Harbordt 9-13	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
95	HVI Cat Canyon - 171 Wells	0408321422	Well	Harbordt 10-14	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
96	HVI Cat Canyon - 171 Wells	0408321423	Well	Harbordt 11-13	Northern	Santa Barbara	-	Cat Canyon	Tier 4	No
97	HVI Cat Canyon - 171 Wells	0408321451	Well	Harbordt 14-13	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
98	HVI Cat Canyon - 171 Wells	0408321452	Well	Harbordt 13-14	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
99	HVI Cat Canyon - 171 Wells	0408321453	Well	Harbordt 15-14	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
100	HVI Cat Canyon - 171 Wells	0408321454	Well	Harbordt 14-15	Northern	Santa Barbara	-	Cat Canyon	Tier 4	No
101	HVI Cat Canyon - 171 Wells	0408321598	Well	Harbordt 3-10A	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
102	HVI Cat Canyon - 171 Wells	0408321677	Well	Harbordt 1-14A	Northern	Santa Barbara	-	Cat Canyon	Tier 4	No
103	HVI Cat Canyon - 171 Wells	0408321833	Well	Harbordt 1-11	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
104	HVI Cat Canyon - 171 Wells	0408321834	Well	Harbordt 2-12	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
105	HVI Cat Canyon - 171 Wells	0408321835	Well	Harbordt 2-14	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
106	HVI Cat Canyon - 171 Wells	0408321836	Well	Harbordt 4-12	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
107	HVI Cat Canyon - 171 Wells	0408321837	Well	Harbordt 4-14	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
108	HVI Cat Canyon - 171 Wells	0408321056	Well	Harbordt 1-13	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
109	HVI Cat Canyon - 171 Wells	0408321057	Well	Harbordt 1-15	Northern	Santa Barbara	-	Cat Canyon	Tier 4	No
110	HVI Cat Canyon - 171 Wells	0408321058	Well	Harbordt 3-15	Northern	Santa Barbara	-	Cat Canyon	Tier 4	No
111	HVI Cat Canyon - 171 Wells	0408321059	Well	Harbordt 5-15	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
112	HVI Cat Canyon - 171 Wells	0408321104	Well	Harbordt 1-16	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
113	HVI Cat Canyon - 171 Wells	0408321106	Well	Harbordt 3-16	Northern	Santa Barbara	-	Cat Canyon	Tier 4	No
114	HVI Cat Canyon - 171 Wells	0408321107	Well	Harbordt 5-16	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
115	HVI Cat Canyon - 171 Wells	0408321108	Well	Harbordt 11	Northern	Santa Barbara	-	Cat Canyon	Tier 2	No
116	HVI Cat Canyon - 171 Wells	0408320889	Well	Harbordt 1-10	Northern	Santa Barbara	-	Cat Canyon	Tier 2	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
117	HVI Cat Canyon - 171 Wells	0408320890	Well	Harbordt 2-9	Northern	Santa Barbara	-	Cat Canyon	Tier 2	No
118	HVI Cat Canyon - 171 Wells	0408320891	Well	Harbordt 6-13	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
119	HVI Cat Canyon - 171 Wells	0408320892	Well	Harbordt 8-13	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
120	HVI Cat Canyon - 171 Wells	0408320911	Well	Harbordt 5-10	Northern	Santa Barbara	-	Cat Canyon	Tier 2	No
121	HVI Cat Canyon - 171 Wells	0408320912	Well	Harbordt 5-12	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
122	HVI Cat Canyon - 171 Wells	0408320913	Well	Harbordt 7-12	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
123	HVI Cat Canyon - 171 Wells	0408320914	Well	Harbordt 10-13	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
124	HVI Cat Canyon - 171 Wells	0408320915	Well	Harbordt 11-14	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
125	HVI Cat Canyon - 171 Wells	0408320916	Well	Harbordt 12-13	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
126	HVI Cat Canyon - 171 Wells	0408320963	Well	Harbordt 2-11	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
127	HVI Cat Canyon - 171 Wells	0408320965	Well	Harbordt 4-9	Northern	Santa Barbara	-	Cat Canyon	Tier 2	No
128	HVI Cat Canyon - 171 Wells	0408320966	Well	Harbordt 4-11	Northern	Santa Barbara	-	Cat Canyon	Tier 4	No
129	HVI Cat Canyon - 171 Wells	0408320967	Well	Harbordt 6-11	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
130	HVI Cat Canyon - 171 Wells	0408320840	Well	Harbordt 12-15	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
131	HVI Cat Canyon - 171 Wells	0408320783	Well	Harbordt 2-13	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
132	HVI Cat Canyon - 171 Wells	0408320784	Well	Harbordt 4-13	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
133	HVI Cat Canyon - 171 Wells	0408320786	Well	Harbordt 6-15	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
134	HVI Cat Canyon - 171 Wells	0408320787	Well	Harbordt 7-14	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
135	HVI Cat Canyon - 171 Wells	0408320788	Well	Harbordt 8-15	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
136	HVI Cat Canyon - 171 Wells	0408320789	Well	Harbordt 9-14	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
137	HVI Cat Canyon - 171 Wells	0408320790	Well	Harbordt 10-15	Northern	Santa Barbara	-	Cat Canyon	Tier 4	No
138	HVI Cat Canyon - 171 Wells	0408320760	Well	Harbordt 2-15	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
139	HVI Cat Canyon - 171 Wells	0408320761	Well	Harbordt 3-14	Northern	Santa Barbara	-	Cat Canyon	Tier 4	No
140	HVI Cat Canyon - 171 Wells	0408320538	Well	Harbordt 95	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
141	HVI Cat Canyon - 171 Wells	0408301356	Well	Harbordt 78	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
142	HVI Cat Canyon - 171 Wells	0408301357	Well	Harbordt 87	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
143	HVI Cat Canyon - 171 Wells	0408301359	Well	Harbordt 90	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
144	HVI Cat Canyon - 171 Wells	0408300643	Well	Harbordt 89	Northern	Santa Barbara	-	Cat Canyon	Tier 2	No
145	HVI Cat Canyon - 171 Wells	0408321675	Well	Harbordt-Goodwin 1-8	Northern	Santa Barbara	-	Cat Canyon	Tier 2	No
146	HVI Cat Canyon - 171 Wells	0408321485	Well	Harbordt-Mortensen 15-12	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
147	HVI Cat Canyon - 171 Wells	0408321436	Well	Laine 1	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
148	HVI Cat Canyon - 171 Wells	0408322041	Well	Lakeview 74R-8	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
149	HVI Cat Canyon - 171 Wells	0408320527	Well	Lakeview 81-8	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
150	HVI Cat Canyon - 171 Wells	0408320186	Well	Lakeview 65-8	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
151	HVI Cat Canyon - 171 Wells	0408320230	Well	Lakeview 86-8	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
152	HVI Cat Canyon - 171 Wells	0408320207	Well	Lakeview 64-8	Northern	Santa Barbara	-	Santa Maria Valley	Tier 2	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
153	HVI Cat Canyon - 171 Wells	0408320133	Well	Lakeview 87-8	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
154	HVI Cat Canyon - 171 Wells	0408320268	Well	Lakeview 53-8	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
155	HVI Cat Canyon - 171 Wells	0408320296	Well	Lakeview 77-8	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
156	HVI Cat Canyon - 171 Wells	0408320825	Well	Lakeview 63-8	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
157	HVI Cat Canyon - 171 Wells	0408321109	Well	Harbordt 15	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
158	HVI Cat Canyon - 171 Wells	0408321404	Well	Moretti B-1	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
159	HVI Cat Canyon - 171 Wells	0408321424	Well	Mortensen Fee 10-11	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
160	HVI Cat Canyon - 171 Wells	0408321875	Well	Mortensen Fee 14-5	Northern	Santa Barbara	-	Cat Canyon	Tier 2	No
161	HVI Cat Canyon - 171 Wells	0408321878	Well	Mortensen Fee 12-5	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
162	HVI Cat Canyon - 171 Wells	0408321879	Well	Mortensen Fee 13-6	Northern	Santa Barbara	-	Cat Canyon	Tier 2	No
163	HVI Cat Canyon - 171 Wells	0408321880	Well	Mortensen Fee 14-7	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
164	HVI Cat Canyon - 171 Wells	0408321665	Well	Mortensen Fee 15-5A	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
165	HVI Cat Canyon - 171 Wells	0408321653	Well	Mortensen Fee 13-11	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
166	HVI Cat Canyon - 171 Wells	0408320762	Well	Mortensen Fee 11-5	Northern	Santa Barbara	-	Cat Canyon	Tier 2	No
167	HVI Cat Canyon - 171 Wells	0408320791	Well	Mortensen Fee 13-5	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
168	HVI Cat Canyon - 171 Wells	0408320793	Well	Mortensen Fee 14-8	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
169	HVI Cat Canyon - 171 Wells	0408320893	Well	Mortensen Fee 11-7	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
170	HVI Cat Canyon - 171 Wells	0408320940	Well	Mortensen Fee WS 2	Northern	Santa Barbara	-	Cat Canyon	Tier 2	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
171	HVI Cat Canyon - 171 Wells	0408320943	Well	Mortensen Fee 12-6	Northern	Santa Barbara	-	Cat Canyon	Tier 2	No
172	HVI Cat Canyon - 171 Wells	0408320944	Well	Mortensen Fee 12-8	Northern	Santa Barbara	-	Cat Canyon	Tier 2	No
173	HVI Cat Canyon - 171 Wells	0408320945	Well	Mortensen Fee 13-9	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
174	HVI Cat Canyon - 171 Wells	0408320946	Well	Mortensen Fee 14-10	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
175	HVI Cat Canyon - 171 Wells	0408301387	Well	Mortensen Fee 1	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
176	HVI Cat Canyon - 171 Wells	0408301390	Well	Mortensen Fee 10	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
177	HVI Cat Canyon - 171 Wells	0408300030	Well	Mortensen Fee 9	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
178	HVI Cat Canyon - 171 Wells	0408321425	Well	Mortensen-Harbordt 8-11	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
179	HVI Cat Canyon - 171 Wells	0408321426	Well	Mortensen-Harbordt 8-12	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
180	HVI Cat Canyon - 171 Wells	0408321427	Well	Mortensen-Harbordt 9-12	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
181	HVI Cat Canyon - 171 Wells	0408321428	Well	Mortensen-Harbordt 10-12	Northern	Santa Barbara	-	Cat Canyon	Tier 4	No
182	HVI Cat Canyon - 171 Wells	0408321429	Well	Mortensen-Harbordt 11-12	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
183	HVI Cat Canyon - 171 Wells	0408321483	Well	Mortensen-Harbordt 13-12	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
184	HVI Cat Canyon - 171 Wells	0408321484	Well	Mortensen-Harbordt 14-12	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
185	HVI Cat Canyon - 171 Wells	0408301395	Well	Nicholson 64-9	Northern	Santa Barbara	-	Santa Maria Valley	Tier 2	No
186	HVI Cat Canyon - 171 Wells	0408300218	Well	Nicholson 75-9	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
187	HVI Cat Canyon - 171 Wells	0408321450	Well	North Orcutt 2	Northern	Santa Barbara	-	Santa Maria Valley	Tier 2	No
188	HVI Cat Canyon - 171 Wells	0408321336	Well	North Orcutt 1	Northern	Santa Barbara	-	Santa Maria Valley	Tier 2	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
189	HVI Cat Canyon - 171 Wells	0408320937	Well	Olean 1-60	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
190	HVI Cat Canyon - 171 Wells	0408320958	Well	Olean 2-60	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
191	HVI Cat Canyon - 171 Wells	0408320986	Well	Olean 4-60	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
192	HVI Cat Canyon - 171 Wells	0408320989	Well	Olean 5-60	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
193	HVI Cat Canyon - 171 Wells	0408321076	Well	R. B. McFaddin 1	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
194	HVI Cat Canyon - 171 Wells	0408321413	Well	R. B. McFaddin 4	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
195	HVI Cat Canyon - 171 Wells	0408322072	Well	R. B. McFaddin 5	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
196	HVI Cat Canyon - 171 Wells	0408300908	Well	Righetti B 5	Northern	Santa Barbara	-	Casmalia	Tier 3	Yes
197	HVI Cat Canyon - 171 Wells	0408304604	Well	Union-Continental 7	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
198	HVI Cat Canyon - 171 Wells	0408301202	Well	Union-Continental 2	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
199	HVI Cat Canyon - 171 Wells	0408301203	Well	Union-Continental 3	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
200	HVI Cat Canyon - 171 Wells	0408301204	Well	Union-Continental 4	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
201	HVI Cat Canyon - 171 Wells	0408301205	Well	Union-Continental 5	Northern	Santa Barbara	-	Cat Canyon	Tier 4	No
202	HVI Cat Canyon - 171 Wells	0408301206	Well	Union-Continental 6	Northern	Santa Barbara	-	Cat Canyon	Tier 3	No
203	HVI Cat Canyon - 171 Wells	0408302948	Well	Union-O'Donnell li 6	Northern	Santa Barbara	-	Santa Maria Valley	Tier 2	No
204	HVI Cat Canyon - 171 Wells	0408320970	Well	1	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
205	HVI Cat Canyon - 171 Wells	0408302988	Well	Vincent 19	Northern	Santa Barbara	-	Santa Maria Valley	Tier 2	No
206	HVI Cat Canyon - 171 Wells	0408302989	Well	Vincent 20	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
207	HVI Cat Canyon - 171 Wells	Facilities	Facility	Facilities	Northern	Santa Barbara	-		-	No
208	HVI Cat Canyon - Nodlew 1	0408320693	Well	Nodlew 1	Northern	Santa Barbara	-	Santa Maria Valley	Tier 3	No
209	Peak Operator LLC	0411122199	Well	Peak-HBH 5H-B1	Northern	Ventura	-	Oxnard	Tier 2	Yes
210	Peak Operator LLC	0411122195	Well	Peak-HBH 1H-A1	Northern	Ventura	-	Oxnard	Tier 2	Yes
211	Peak Operator LLC	0411121972	Well	Lenox Ranch 109H	Northern	Ventura	-	Oxnard	Tier 2	Yes
212	Peak Operator LLC	0411121396	Well	Vacca Tar Sand Unit 4-83	Northern	Ventura	-	Oxnard	Tier 2	Yes
213	Peak Operator LLC	0411121385	Well	Vacca Tar Sand Unit 4-81	Northern	Ventura	-	Oxnard	Tier 2	Yes
214	Peak Operator LLC	0411121384	Well	Vacca Tar Sand Unit 3-64	Northern	Ventura	-	Oxnard	Tier 2	Yes
215	Peak Operator LLC	0411121383	Well	Vacca Tar Sand Unit 3-63	Northern	Ventura	-	Oxnard	Tier 2	Yes

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
216	Peak Operator LLC	0411121084	Well	Vacca Tar Sand Unit 3-69	Northern	Ventura	-	Oxnard	Tier 2	Yes
217	Peak Operator LLC	0411121083	Well	Vacca Tar Sand Unit 3-68	Northern	Ventura	-	Oxnard	Tier 2	Yes
218	Peak Operator LLC	0411121032	Well	Vacca Tar Sand Unit 4-77	Northern	Ventura	-	Oxnard	Tier 2	Yes
219	Peak Operator LLC	0411120989	Well	Vacca Tar Sand Unit 4-75	Northern	Ventura	-	Oxnard	Tier 2	Yes
220	Peak Operator LLC	0411101336	Well	Scholle-Livingston 2	Northern	Ventura	-	Oxnard	Tier 2	Yes
221	Peak Operator LLC	0411122393	Well	Peak-HBH 6HU	Northern	Ventura	-	Oxnard	Tier 2	Yes
222	Peak Operator LLC	0411122392	Well	Peak-HBH 5HA	Northern	Ventura	-	Oxnard	Tier 2	Yes
223	Peak Operator LLC	0411122391	Well	Peak-HBH 6H	Northern	Ventura	-	Oxnard	Tier 2	Yes
224	Peak Operator LLC	0411122386	Well	Peak-HBH 5HU	Northern	Ventura	-	Oxnard	Tier 2	Yes

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
225	Peak Operator LLC	0411122385	Well	Peak-HBH 4HU	Northern	Ventura	-	Oxnard	Tier 2	Yes
226	Peak Operator LLC	0411122384	Well	Peak-HBH 3HU	Northern	Ventura	-	Oxnard	Tier 2	Yes
227	Peak Operator LLC	0411122275	Well	Lenox M-2	Northern	Ventura	-	Oxnard	Tier 2	Yes
228	Peak Operator LLC	0411122200	Well	Peak-HBH 6H-C1	Northern	Ventura	-	Oxnard	Tier 2	Yes
229	Peak Operator LLC	0411122198	Well	Peak-HBH 4H-C2	Northern	Ventura	-	Oxnard	Tier 2	Yes
230	Peak Operator LLC	0411122197	Well	Peak-HBH 3H-B2	Northern	Ventura	-	Oxnard	Tier 2	Yes
231	Peak Operator LLC	0411122196	Well	Peak-HBH 2H-A2	Northern	Ventura	-	Oxnard	Tier 2	Yes
232	Peak Operator LLC	0411101047	Well	Vacca Tar Sand Unit 2-1	Northern	Ventura	-	Oxnard	Tier 2	Yes
233	Peak Operator LLC	0411101042	Well	Vacca Tar Sand Unit 4-2	Northern	Ventura	-	Oxnard	Tier 2	Yes

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
234	Peak Operator LLC	0411101040	Well	Vacca Tar Sand Unit 3-2	Northern	Ventura	-	Oxnard	Tier 2	Yes
235	Peak Operator LLC	0411101335	Well	Scholle-Livingston 1	Northern	Ventura	-	Oxnard	Tier 3	No
236	Peak Operator LLC	0411122227	Well	Peak-HBH 4TO-C5	Northern	Ventura	-	Oxnard	Tier 3	No
237	Peak Operator LLC	0411122226	Well	Peak-HBH 3TO-D5	Northern	Ventura	-	Oxnard	Tier 3	No
238	Peak Operator LLC	0411122204	Well	Peak-HBH 2TO-C4	Northern	Ventura	-	Oxnard	Tier 3	Yes
239	Peak Operator LLC	0411122203	Well	Peak-HBH 1TO-A4	Northern	Ventura	-	Oxnard	Tier 3	Yes
240	Peak Operator LLC	0411121953	Well	Pleasant Valley 8	Northern	Ventura	-	Oxnard	Tier 3	No
241	Peak Operator LLC	0411121951	Well	Pleasant Valley 7	Northern	Ventura	-	Oxnard	Tier 3	No
242	Peak Operator LLC	0411121950	Well	Pleasant Valley 6	Northern	Ventura	-	Oxnard	Tier 3	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
243	Peak Operator LLC	0411121946	Well	Pleasant Valley 5	Northern	Ventura	-	Oxnard	Tier 3	No
244	Peak Operator LLC	0411121945	Well	Pleasant Valley 4	Northern	Ventura	-	Oxnard	Tier 3	No
245	Peak Operator LLC	0411121942	Well	Pleasant Valley 3	Northern	Ventura	-	Oxnard	Tier 3	No
246	Peak Operator LLC	0411121931	Well	Pleasant Valley 2	Northern	Ventura	-	Oxnard	Tier 3	No
247	Peak Operator LLC	0411121930	Well	Pleasant Valley 1	Northern	Ventura	-	Oxnard	Tier 3	No
248	Peak Operator LLC	Multiple	Facility	Multiple	Northern	Ventura	-	Multiple	-	Yes
249	Vaca Energy, LLC	0411100741	Well	J. D. McGrath 1	Northern	Ventura	-	Montalvo, West	Tier 2	Yes
250	Vaca Energy, LLC	0411100742	Well	J. D. McGrath 2	Northern	Ventura	-	Montalvo, West	Tier 2	Yes
251	Vaca Energy, LLC	0411100744	Well	Montalvo Injection 1	Northern	Ventura	-	Montalvo, West	Tier 2	Yes

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
252	Vaca Energy, LLC	0411100745	Well	Montalvo Unit 1 1	Northern	Ventura	-	Montalvo, West	Tier 2	Yes
253	Vaca Energy, LLC	0411121288	Well	West Montalvo 2	Northern	Ventura	-	Montalvo, West	Tier 2	Yes
254	Vaca Energy, LLC	0411121011	Well	Bailard-Kraemer 1	Northern	Ventura	-	Montalvo, West	Tier 2	Yes
255	Vaca Energy, LLC	90297658	Facility	West Montalvo	Northern	Ventura	-	Montalvo, West	-	Yes
256	Blackstone Oil & Gas, LLC	0402908188	Well	Red Ribbon Lease 2 4	Central	Kern	Bakersfield	Fruitvale	Tier 1	Yes
257	Blackstone Oil & Gas, LLC	0402908187	Well	Red Ribbon Lease 2 3	Central	Kern	Bakersfield	Fruitvale	Tier 1	Yes
258	Blackstone Oil & Gas, LLC	0402908185	Well	Red Ribbon Lease 2 1	Central	Kern	Bakersfield	Fruitvale	Tier 1	Yes
259	Blackstone Oil & Gas, LLC	0402908186	Well	Red Ribbon Lease 2 2	Central	Kern	Bakersfield	Fruitvale	Tier 2	Yes
260	Blackstone Oil & Gas, LLC	0402900653	Well	Kane-Ross 1	Central	Kern	-	Mountain View	Tier 2	Yes

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261	Blackstone Oil & Gas, LLC	0402914331	Well	Kane-Bloemer 1	Central	Kern	-	Mountain View	Tier 2	Yes
262	Blackstone Oil & Gas, LLC	0402914332	Well	Kane-Bloemer 2	Central	Kern	-	Mountain View	Tier 2	Yes
263	Blackstone Oil & Gas, LLC	0402914333	Well	Kundert 1	Central	Kern	-	Mountain View	Tier 2	Yes
264	Blackstone Oil & Gas, LLC	0402914334	Well	Kundert 2	Central	Kern	-	Mountain View	Tier 2	Yes
265	Blackstone Oil & Gas, LLC	0402914335	Well	Kundert 3	Central	Kern	-	Mountain View	Tier 2	Yes
266	Blackstone Oil & Gas, LLC	0402942167	Well	Kane-Bloemer 4	Central	Kern	-	Mountain View	Tier 2	Yes
267	Blackstone Oil & Gas, LLC	0402942136	Well	Kane-Bloemer 3	Central	Kern	-	Mountain View	Tier 2	Yes
268	Blackstone Oil & Gas, LLC	0402914595	Well	George 19	Central	Kern	-	Mountain View	Tier 1	Yes
269	Blackstone Oil & Gas, LLC	0402914540	Well	Arvin Waterflood Unit D1	Central	Kern	-	Mountain View	Tier 2	Yes

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
270	Blackstone Oil & Gas, LLC	0402914551	Well	Portman 1	Central	Kern	-	Mountain View	Tier 2	Yes
271	Blackstone Oil & Gas, LLC	0402914574	Well	Arvin Waterflood Unit G1	Central	Kern	-	Mountain View	Tier 2	Yes
272	Blackstone Oil & Gas, LLC	0402914575	Well	Arvin Waterflood Unit G2	Central	Kern	-	Mountain View	Tier 2	Yes
273	Blackstone Oil & Gas, LLC	0402914576	Well	Arvin Waterflood Unit G3	Central	Kern	-	Mountain View	Tier 2	Yes
274	Blackstone Oil & Gas, LLC	0402914577	Well	Arvin Waterflood Unit G5	Central	Kern	-	Mountain View	Tier 2	Yes
275	Blackstone Oil & Gas, LLC	0402914578	Well	Arvin Waterflood Unit G7	Central	Kern	-	Mountain View	Tier 2	Yes
276	Blackstone Oil & Gas, LLC	0402914579	Well	Arvin Waterflood Unit G8	Central	Kern	-	Mountain View	Tier 2	Yes
277	Blackstone Oil & Gas, LLC	0402914581	Well	Arvin Waterflood Unit G10	Central	Kern	-	Mountain View	Tier 2	Yes
278	Blackstone Oil & Gas, LLC	0402914582	Well	Arvin Waterflood Unit G11	Central	Kern	-	Mountain View	Tier 2	Yes

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279	Blackstone Oil & Gas, LLC	0402914583	Well	Arvin Waterflood Unit G13	Central	Kern	-	Mountain View	Tier 2	Yes
280	Blackstone Oil & Gas, LLC	0402947968	Well	Kirkorian 14X-23	Central	Kern	Arvin	Mountain View	Tier 2	Yes
281	Blackstone Oil & Gas, LLC	0402946852	Well	George 20X	Central	Kern	-	Mountain View	Tier 2	Yes
282	Blackstone Oil & Gas, LLC	0402914594	Well	George 18	Central	Kern	-	Mountain View	Tier 2	Yes
283	Blackstone Oil & Gas, LLC	0402914592	Well	George 16	Central	Kern	-	Mountain View	Tier 2	Yes
284	Blackstone Oil & Gas, LLC	0402914552	Well	Portman 2	Central	Kern	-	Mountain View	Tier 3	Yes
285	Blackstone Oil & Gas, LLC	0402914553	Well	Portman 3	Central	Kern	-	Mountain View	Tier 3	Yes
286	Blackstone Oil & Gas, LLC	0402914580	Well	Arvin Waterflood Unit G9	Central	Kern	-	Mountain View	Tier 3	Yes
287	Blackstone Oil & Gas, LLC	0402954044	Well	George 21	Central	Kern	-	Mountain View	Tier 3	Yes

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
288	Blackstone Oil & Gas, LLC	0402914596	Well	George 20	Central	Kern	-	Mountain View	Tier 3	Yes
289	Blackstone Oil & Gas, LLC	0402914593	Well	George 17	Central	Kern	-	Mountain View	Tier 3	Yes
290	Blackstone Oil & Gas, LLC	0402914591	Well	George 15	Central	Kern	-	Mountain View	Tier 3	Yes
291	Blackstone Oil & Gas, LLC	0402914590	Well	George 14	Central	Kern	-	Mountain View	Tier 3	Yes
292	Blackstone Oil & Gas, LLC	0402914587	Well	George 4	Central	Kern	-	Mountain View	Tier 3	Yes
293	Blackstone Oil & Gas, LLC	90292602	Facility	Kundert	Central	Kern	-	Mountain View	-	Yes
294	Blackstone Oil & Gas, LLC	90292603	Facility	Kundert	Central	Kern	-	Mountain View	-	Yes
295	Blackstone Oil & Gas, LLC	90292604	Facility	Kundert	Central	Kern	-	Mountain View	-	Yes
296	Blackstone Oil & Gas, LLC	90292605	Facility	Arvin Waterflood Unit	Central	Kern	-	Mountain View	-	Yes

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297	Blackstone Oil & Gas, LLC	90292606	Facility	Portman	Central	Kern	-	Mountain View	-	Yes
298	Blackstone Oil & Gas, LLC	90292607	Facility	Arvin Waterflood Unit	Central	Kern	-	Mountain View	-	Yes
299	Blackstone Oil & Gas, LLC	90292608	Facility	Arvin Waterflood Unit	Central	Kern	-	Mountain View	-	Yes
300	Blackstone Oil & Gas, LLC	90292609	Facility	Arvin Waterflood Unit	Central	Kern	-	Mountain View	-	Yes
301	Blackstone Oil & Gas, LLC	90292610	Facility	Arvin Waterflood Unit	Central	Kern	-	Mountain View	-	Yes
302	Blackstone Oil & Gas, LLC	90292611	Facility	Arvin Waterflood Unit	Central	Kern	-	Mountain View	-	Yes
303	Blackstone Oil & Gas, LLC	90292612	Facility	George	Central	Kern	-	Mountain View	-	Yes
304	Blackstone Oil & Gas, LLC	90292613	Facility	George	Central	Kern	-	Mountain View	-	Yes
305	Blackstone Oil & Gas, LLC	90292614	Facility	George	Central	Kern	-	Mountain View	-	Yes

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
306	Blackstone Oil & Gas, LLC	90292618	Facility	Kane-Ross	Central	Kern	-	Mountain View	-	Yes
307	Blackstone Oil & Gas, LLC	90294258	Facility	Arvin Waterflood Unit	Central	Kern	-	Mountain View	-	Yes
308	Blackstone Oil & Gas, LLC	90294261	Facility	Arvin Waterflood Unit	Central	Kern	-	Mountain View	-	Yes
309	Blackstone Oil & Gas, LLC	90294262	Facility	Arvin Waterflood Unit	Central	Kern	-	Mountain View	-	Yes
310	Blackstone Oil & Gas, LLC	90293292	Facility	Kane-Ross	Central	Kern	-	Mountain View	-	Yes
311	Blackstone Oil & Gas, LLC	90294240	Facility	Kundert	Central	Kern	-	Mountain View	-	Yes
312	Blackstone Oil & Gas, LLC	90294259	Facility	Portman	Central	Kern	-	Mountain View	-	Yes
313	Blackstone Oil & Gas, LLC	90294031	Facility	Unspecified	Central	Kern	-	Fruitvale	-	Yes
314	Blackstone Oil & Gas, LLC	90294032	Facility	Unspecified	Central	Kern	-	Fruitvale	-	Yes

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
315	Blackstone Oil & Gas, LLC	90292615	Facility	Unspecified	Central	Kern	-	Fruitvale	-	Yes
316	Citadel Exploration Inc.	0403063441	Well	Needham-Bloemer Point Break#5	Central	Kern	Bakersfield	Kern Bluff	Tier 1	No
317	Citadel Exploration Inc.	0403063440	Well	Needham-Bloemer Thunderstruck#4	Central	Kern	Bakersfield	Kern Bluff	Tier 1	No
318	Citadel Exploration Inc.	0403062148	Well	Needham-Bloemer Shakedown St#2	Central	Kern	Bakersfield	Kern Bluff	Tier 1	No
319	Citadel Exploration Inc.	0402957338	Well	Needham-Bloemer 38	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
320	Citadel Exploration Inc.	0402908779	Well	Needham-Bloemer 35	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
321	Citadel Exploration Inc.	0402908776	Well	Needham-Bloemer 31	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
322	Citadel Exploration Inc.	0402908775	Well	Needham-Bloemer 30	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
323	Citadel Exploration Inc.	0402908773	Well	Needham-Bloemer 28	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No

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324	Citadel Exploration Inc.	0402908772	Well	Needham-Bloemer 27	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
325	Citadel Exploration Inc.	0402908771	Well	Needham-Bloemer 26	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
326	Citadel Exploration Inc.	0402908770	Well	Needham-Bloemer 25	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
327	Citadel Exploration Inc.	0402908765	Well	Needham-Bloemer 16	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
328	Citadel Exploration Inc.	0402908763	Well	Needham-Bloemer 14	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
329	Citadel Exploration Inc.	0402908762	Well	Needham-Bloemer 13	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
330	Citadel Exploration Inc.	0402908761	Well	Needham-Bloemer 4	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
331	Citadel Exploration Inc.	0402908759	Well	Needham-Bloemer 1	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
332	Citadel Exploration Inc.	0402900070	Well	Needham-Bloemer 6	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
333	Citadel Exploration Inc.	0403063448	Well	Needham-Bloemer COB #6	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
334	Citadel Exploration Inc.	0403062150	Well	Needham-Bloemer Mississippi Q#3	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
335	Citadel Exploration Inc.	0403062149	Well	Needham-Bloemer American B#1	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
336	Citadel Exploration Inc.	0402988951	Well	Needham-Bloemer 72	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
337	Citadel Exploration Inc.	0402977208	Well	Needham-Bloemer 34A	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
338	Citadel Exploration Inc.	0402960538	Well	Needham-Bloemer 58	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
339	Citadel Exploration Inc.	0402951893	Well	Needham-Bloemer 37	Central	Kern	Bakersfield	Kern Bluff	Tier 3	No
340	Citadel Exploration Inc.	0402940478	Well	Needham-Bloemer 36	Central	Kern	Bakersfield	Kern Bluff	Tier 3	No
341	Citadel Exploration Inc.	0402908782	Well	Needham-Bloemer 52	Central	Kern	Bakersfield	Kern Bluff	Tier 3	No

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342	Citadel Exploration Inc.	0402908780	Well	Needham-Bloemer 40	Central	Kern	Bakersfield	Kern Bluff	Tier 3	No
343	Citadel Exploration Inc.	0402908777	Well	Needham-Bloemer 32	Central	Kern	Bakersfield	Kern Bluff	Tier 3	No
344	Citadel Exploration Inc.	0402908774	Well	Needham-Bloemer 29	Central	Kern	Bakersfield	Kern Bluff	Tier 3	No
345	Citadel Exploration Inc.	0402908767	Well	Needham-Bloemer 18	Central	Kern	Bakersfield	Kern Bluff	Tier 3	No
346	Citadel Exploration Inc.	0402908766	Well	Needham-Bloemer 17	Central	Kern	Bakersfield	Kern Bluff	Tier 3	No
347	Citadel Exploration Inc.	0402908764	Well	Needham-Bloemer 15	Central	Kern	Bakersfield	Kern Bluff	Tier 3	No
348	Citadel Exploration Inc.	0402908760	Well	Needham-Bloemer 3	Central	Kern	Bakersfield	Kern Bluff	Tier 3	No
349	Citadel Exploration Inc.	0402904174	Well	Needham-Bloemer 2	Central	Kern	Bakersfield	Kern Bluff	Tier 3	No
350	Citadel Exploration Inc.	0402900981	Well	Needham-Bloemer 34	Central	Kern	Bakersfield	Kern Bluff	Tier 3	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
351	Citadel Exploration Inc.	0402900816	Well	Needham-Bloemer 5	Central	Kern	Bakersfield	Kern Bluff	Tier 3	No
352	Citadel Exploration Inc.	0403005775	Well	Needham-Bloemer A-324	Central	Kern	Bakersfield	Kern Bluff	Tier 3	No
353	Citadel Exploration Inc.	0403033429	Well	North Yowlumne 2	Central	Kern	-	Any Field	Tier 3	Yes
354	Citadel Exploration Inc.	90291601	Facility	Unspecified	Central	Kern	-	Kern Bluff	-	No
355	Citadel Exploration Inc.	90291602	Facility	Unspecified	Central	Kern	-	Kern Bluff	-	No
356	Citadel Exploration Inc.	90291603	Facility	Unspecified	Central	Kern	-	Kern Bluff	-	No
357	Citadel Exploration Inc.	90297577	Facility	North Yowlumne Facility	Central	Kern	-	Any Field	-	Yes
358	Citadel Exploration Inc.	90297758	Facility	Needham-Bloemer Facility	Central	Kern	-	Kern Bluff	-	No
359	Citadel Exploration Inc.	90297759	Facility	Unspecified	Central	Kern	-	Kern Bluff	-	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
360	Citadel Exploration Inc.	90297760	Facility	Unspecified	Central	Kern	-	Kern Bluff	-	No
361	Citadel Exploration Inc.	90299070	Facility	Unspecified	Central	Kern	-	Any Field	-	Yes
362	Citadel Exploration Inc.	90286087	Facility	Unspecified	Central	Kern	-	Any Field	-	Yes
363	Griffin Resources, LLC	0402908260	Well	K.C.L. D78-6	Central	Kern	Bakersfield	Fruitvale	Tier 1	Yes
364	Griffin Resources, LLC	0402908259	Well	K.C.L. A78-4	Central	Kern	Bakersfield	Fruitvale	Tier 1	Yes
365	Griffin Resources, LLC	0402908258	Well	K.C.L. D88X	Central	Kern	Bakersfield	Fruitvale	Tier 1	Yes
366	Griffin Resources, LLC	0402908257	Well	K.C.L. D87	Central	Kern	Bakersfield	Fruitvale	Tier 1	Yes
367	Griffin Resources, LLC	0402908252	Well	K.C.L. D75	Central	Kern	Bakersfield	Fruitvale	Tier 1	Yes
368	Griffin Resources, LLC	0402908251	Well	K.C.L. D67	Central	Kern	Bakersfield	Fruitvale	Tier 1	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
369	Griffin Resources, LLC	0402908246	Well	K.C.L. B73	Central	Kern	Bakersfield	Fruitvale	Tier 1	No
370	Griffin Resources, LLC	0402908245	Well	K.C.L. B72	Central	Kern	Bakersfield	Fruitvale	Tier 1	No
371	Griffin Resources, LLC	0402908244	Well	K.C.L. B63	Central	Kern	Bakersfield	Fruitvale	Tier 1	No
372	Griffin Resources, LLC	0402908243	Well	K.C.L. B62	Central	Kern	Bakersfield	Fruitvale	Tier 1	No
373	Griffin Resources, LLC	0402908242	Well	K.C.L. B61	Central	Kern	Bakersfield	Fruitvale	Tier 1	No
374	Griffin Resources, LLC	0402908241	Well	K.C.L. A84	Central	Kern	Bakersfield	Fruitvale	Tier 1	Yes
375	Griffin Resources, LLC	0402908239	Well	K.C.L. A64	Central	Kern	Bakersfield	Fruitvale	Tier 1	No
376	Griffin Resources, LLC	0402908238	Well	K.C.L. A53	Central	Kern	Bakersfield	Fruitvale	Tier 1	No
377	Griffin Resources, LLC	0402900741	Well	K.C.L. D77	Central	Kern	Bakersfield	Fruitvale	Tier 1	Yes

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378	Griffin Resources, LLC	0402908256	Well	K.C.L. D86	Central	Kern	Bakersfield	Fruitvale	Tier 2	Yes
379	Griffin Resources, LLC	0402908255	Well	K.C.L. D85	Central	Kern	Bakersfield	Fruitvale	Tier 2	Yes
380	Griffin Resources, LLC	0402908253	Well	K.C.L. D76	Central	Kern	Bakersfield	Fruitvale	Tier 2	Yes
381	Griffin Resources, LLC	0402908250	Well	K.C.L. D66	Central	Kern	Bakersfield	Fruitvale	Tier 2	No
382	Griffin Resources, LLC	0402908249	Well	K.C.L. D65	Central	Kern	Bakersfield	Fruitvale	Tier 2	No
383	Griffin Resources, LLC	0402908240	Well	K.C.L. A74	Central	Kern	Bakersfield	Fruitvale	Tier 2	No
384	Griffin Resources, LLC	0402908237	Well	K.C.L. A51	Central	Kern	Bakersfield	Fruitvale	Tier 2	No
385	Griffin Resources, LLC	0402906740	Well	K.C.L. B52	Central	Kern	Bakersfield	Fruitvale	Tier 2	No
386	Griffin Resources, LLC	0402906739	Well	K.C.L. B43	Central	Kern	Bakersfield	Fruitvale	Tier 2	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
387	Griffin Resources, LLC	0402908236	Well	K.C.L. A41	Central	Kern	Bakersfield	Fruitvale	Tier 3	No
388	Griffin Resources, LLC	90295716	Facility		Central	Kings	-	Fruitvale	-	Yes
389	Griffin Resources, LLC	90295717	Facility		Central	Kings	-	Fruitvale	-	Yes
390	Hartley Natural Resource Development	0402977006	Well	T.S.A. 14X	Central	Kern	-	Edison	Tier 1	Yes
391	Hartley Natural Resource Development	90295129	Facility	Unspecified	Central	Kern	-	Edison	-	Yes
392	Prine Oil Company	0402914308	Well	Ross 2	Central	Kern	-	Mountain View	Tier 2	Yes
393	Sunray Petroleum, Inc.	0402906816	Well	Red Ribbon Lease 17	Central	Kern	Bakersfield	Fruitvale	Tier 2	Yes
394	Sunray Petroleum, Inc.	0402906814	Well	Red Ribbon Lease 15	Central	Kern	Bakersfield	Fruitvale	Tier 2	Yes

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
395	Sunray Petroleum, Inc.	0402906811	Well	Red Ribbon Lease 1 2	Central	Kern	Bakersfield	Fruitvale	Tier 2	Yes
396	Sunray Petroleum, Inc.	0402906781	Well	E & H Dillon 1	Central	Kern	-	Fruitvale	Tier 2	Yes
397	Sunray Petroleum, Inc.	0402962133	Well	Tenneco 1	Central	Kern	-	Fruitvale	Tier 2	Yes
398	Sunray Petroleum, Inc.	0402908440	Well	Dillon 4	Central	Kern	-	Fruitvale	Tier 2	Yes
399	Sunray Petroleum, Inc.	0402908439	Well	Dillon 3	Central	Kern	-	Fruitvale	Tier 2	Yes
400	Sunray Petroleum, Inc.	0402908342	Well	Dillon 2	Central	Kern	-	Fruitvale	Tier 2	Yes
401	Sunray Petroleum, Inc.	0402908789	Well	Bloemer 10	Central	Kern	Bakersfield	Kern Bluff	Tier 1	No
402	Sunray Petroleum, Inc.	0402908792	Well	Hood-Bloemer 1 A	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
403	Sunray Petroleum, Inc.	0402908794	Well	Hood-Bloemer 3 A	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
404	Sunray Petroleum, Inc.	0402908790	Well	Bloemer 11	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
405	Sunray Petroleum, Inc.	0402971724	Well	Hood-Bloemer 108D	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
406	Sunray Petroleum, Inc.	0402969434	Well	Bloemer 120	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
407	Sunray Petroleum, Inc.	0402969433	Well	Hood-Bloemer 109	Central	Kern	Bakersfield	Kern Bluff	Tier 2	No
408	Sunray Petroleum, Inc.	0402908793	Well	Hood-Bloemer 2	Central	Kern	Bakersfield	Kern Bluff	Tier 3	No
409	Sunray Petroleum, Inc.	0402908791	Well	Bloemer 16	Central	Kern	Bakersfield	Kern Bluff	Tier 3	No
410	Sunray Petroleum, Inc.	0402946342	Well	Fuller Acres 3	Central	Kern	-	Mountain View	Tier 1	Yes
411	Sunray Petroleum, Inc.	0402900895	Well	Feeport 1	Central	Kern	-	Mountain View	Tier 2	Yes
412	Sunray Petroleum, Inc.	0402914306	Well	Greer 1	Central	Kern	-	Mountain View	Tier 2	Yes

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
413	Sunray Petroleum, Inc.	0402946341	Well	Fuller Acres 2	Central	Kern	-	Mountain View	Tier 2	Yes
414	Sunray Petroleum, Inc.	0402944714	Well	Fuller Acres 1	Central	Kern	-	Mountain View	Tier 2	Yes
415	Sunray Petroleum, Inc.	90292616	Facility	Dillon	Central	Kern	-	Fruitvale	-	Yes
416	Sunray Petroleum, Inc.	90294038	Facility	Dillon	Central	Kern	-	Fruitvale	-	Yes
417	Sunray Petroleum, Inc.	90294039	Facility	Dillon	Central	Kern	-	Fruitvale	-	Yes
418	Sunray Petroleum, Inc.	90292619	Facility	Feeport	Central	Kern	-	Mountain View	-	Yes
419	Sunray Petroleum, Inc.	90293351	Facility	Feeport	Central	Kern	-	Mountain View	-	Yes
420	Sunray Petroleum, Inc.	90292601	Facility	Fuller Acres	Central	Kern	-	Mountain View	-	Yes
421	Sunray Petroleum, Inc.	90294927	Facility	Fuller Acres	Central	Kern	-	Mountain View	-	Yes

SN	Operator	API / Subject ID	Well or Facility	Well /Facility Designation	District	County	City	Field	Well Tier	Disadvantaged Community
422	Sunray Petroleum, Inc.	90293992	Facility	Red Ribbon Lease 1	Central	Kern	-	Fruitvale	-	Yes
423	Sunray Petroleum, Inc.	90295048	Facility	Tenneco	Central	Kern	-	Fruitvale	-	Yes
424	Tri-Valley Oil & Gas Co.	0403018947	Well	Sunrise-Mayel 2H	Central	Kern	-	Any Field	Tier 2	Yes
425	Tri-Valley Oil & Gas Co.	0403016802	Well	Sunrise-Mayel 1	Central	Kern	-	Any Field	Tier 2	Yes
426	Tri-Valley Oil & Gas Co.	0401924282	Well	Oil Creek 1-23	Central	Fresno	-	Any Field	Tier 3	Yes
427	Tri-Valley Oil & Gas Co.	0403022490	Well	Elk Ridge 1-20	Central	Kern	-	Any Field	Tier 3	Yes
428	Tri-Valley Oil & Gas Co.	0403026900	Well	Sunridge 1-35	Central	Kern	-	Edison	Tier 2	Yes
429	Tri-Valley Oil & Gas Co.	0403014846	Well	EKHO 1	Central	Kern	-	Semitropic	Tier 3	Yes

