

1 Executive Summary & Project Highlights

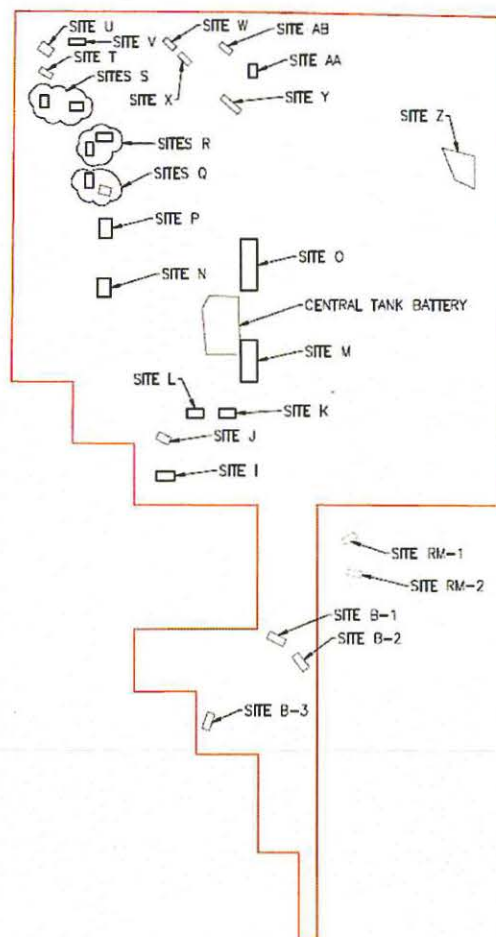
EXECUTIVE SUMMARY

The United California, California and Bradley (“UCCB”) Energy Project consists of the redevelopment and reactivation of previously active oil properties in the Cat Canyon Oil Field in Northern Santa Barbara County. The project proposes a two phased development of 231 new oil, injection and water wells located on 29 well pads, a centralized tank battery, pipelines and ancillary equipment. The entirety of the project is located on existing drill pads or currently disturbed ground, and will use existing public or private roads for operations and transportation. The project lands encompass approximately 710 gross acres, yet the project development footprint is limited to approximately 28 acres (*4.0% of gross area*). The owner of the oil and gas leases under which this application is being processed is California Resources Production Corporation¹, with the application being processed by PetroRock, LLC. Current uses on the property include existing oil pads, cattle grazing and vineyards. Uses on adjacent properties to the North, South, East and West are active oilfields, cattle grazing and vineyard operations. The property is accessed from the South via Dominion Road, and the North via Orcutt-Garey Road.

Development of the project is proposed in two phases: i) an Exploratory Phase and ii) a Development Phase. The Exploratory Phase will be comprised of development of a smaller Tank Battery, installation of one 25 MMBtu steam generator, and drilling of up to 30 wells on Sites O and M to ascertain the economic viability of the project and current status of the oil producing reservoir. Should the Exploratory Phase be successful, the project may enter into a Development Phase which will include the drilling of the remaining wells and installation of the steam generators, remaining equipment, offices, pipelines to pads and sales pipeline. The Exploratory Phase is expected to be developed over a one to five year period, with the Development Phase occurring thereafter over a five to twenty year period. Operations will continue until the resource is not capable of economically producing or operations are deemed undesirable by the owner. Upon cessation of operations, the wells will be plugged and abandoned according to State and local requirements, equipment removed and the sites restored.

¹ Original leases owned by Vintage Petroleum Inc., which was acquired by Occidental Petroleum Corp., which was spun off to become California Resources Production Corporation (“CRPC”)

The targeted formations are the Sisquoc Sands and Monterey Shale which produce oil with an API gravity between 9 and 16 degrees. To assist with the extraction of the lower gravity oil, a lighter gravity crude oil ('LCO') will be mixed with the native crude to help bring it to the surface and meet requirements for delivery to refinery. One of the primary uses of the produced oil, due to its low gravity, will be for asphalt, the majority of which may be produced and used locally. The wells will be steamed using the production method of cyclic steam. Cyclic steaming consists of introducing steam through the wells into the oil bearing reservoir beneath the project site in order to reduce the viscosity of the in-place oil to allow for extraction to the surface. The project proposes one (1) 25 MMBtu as part of the Exploratory Phase, and a total of five (5) steam generators upon completion of the Development Phase including one (1) 85 MMBtu stationary, one (1) 50.0 MMBtu stationary, and three (3)



25 MMBtu portable units. At peak production, the project may require up to 300 acre feet of water per year, the majority of which will be provided from recycled, non-potable water obtained from operations and wells producing from non-potable water aquifers. The non-potable water will be processed to operational specifications via an onsite water recycling plant. Included in the 300 acre feet, up to 23 acre feet of fresh water may be utilized annually by the project to be used for initial operations, domestic uses, drilling, dust control and fire suppression, and will be provided by an existing onsite well, or additional wells that may be drilled.

Fuel gas for combustion equipment will initially be provided by a combination of propane and produced field gas. As fuel gas needs increase, additional gas for operations may be supplied by SoCal Gas via a pipeline extension from Foxen Canyon Road or from other local oil operations. The majority of produced field gas will be used onsite by operations with excess gas either

transported off-site to neighboring operators or sold, reinjected into EPA approved aquifers or flared on-site. To limit emissions associated with the project, the project proposes to implement Best Available Control Technology (BACT) on its equipment and pipelines in accordance with Santa Barbara Air Pollution Control District standards. No hydraulic fracturing is proposed as part of the project.

Each well will be equipped with a pumping unit and produced fluids and gas will be delivered from the wells via pipeline to a centralized Tank Battery for separation and storage. The Tank Battery location will include tanks, loading racks, separators, heater treaters, steam generator, offices and other ancillary equipment. Monitoring equipment will be installed at the wells and Tank Battery and on-site operators will be present for daily operations management. It is expected the project could produce up to 4,000 barrels of native oil per day at peak production, which will be transported offsite via tanker truck or by pipeline to a refinery.

PROJECT HIGHLIGHTS

- Redevelopment: The Project is a redevelopment of previous oil wells and facilities.
- Limited environmental impact: The project's design and scope were formed in response to recommendations from environmental studies and stated County goals, including innovative groundwater management solutions, best in class equipment, beneficial reuse of existing well and facility locations and directional drilling to limit surface usage;
- Previously disturbed sites: The tank battery site and well pads are located on existing oil well locations or on currently disturbed lands resulting in no negative impacts to any mapped archeological sites or endangered species;
- Consolidated Facilities: The Project accomplishes the County stated goal of consolidated/shared use facilities;
- Adherence to Zoning: The Project is located within zones which allow for the proposed use (e.g.: no zone changes or modifications requested);
- Small footprint: The Project uses less than 4.0% of total property gross acreage;
- Compatibility with Ag: The Project was designed in conjunction with surface farmer to limit disruptions to agriculture operations;
- Water: The Project proposes a major water recycling component and non-potable water sources to minimize the use of fresh groundwater;
- Emissions: Equipment and facilities will be BACT (*best available control technology*) in order to protect air resources;
- Noise/Visual/Odor: The Pad locations were chosen to have little to no negative impacts to surrounding uses;
- Non-H₂S producing zone: H₂S is not anticipated in quantities that surpass any County thresholds given past and present data from surrounding wells;
- Responsible Operator: Applicant has history in of developing and operating high end facilities in responsible manner.