COUNTY OF SANTA BARBARA
PLANNING AND DEVELOPMENT

MEMORANDUM

TO: County Planning Commission

FROM: Travis Seawards, Deputy Director, Development Review Division

STAFF CONTACT: Alia Vosburg, Planner, (805) 934-6259

DATE: August 5, 2022

HEARING DATE: August 10, 2022

RE: Appellant No. 1 Supplemental Submittal – Appeals of the Nojoqui Farms Cannabis Cultivation Project, Case Nos. 21APL-00000-00043, 21APL-00000-00044, and 19LUP-00000-00530

Summary:
On August 23, 2021, Appellant No. 1, Edward Seaman, filed a timely appeal of the Director's approval of the Nojoqui Farms Cannabis Cultivation Project, Case No. 19LUP-00000-00530. The Staff Report dated August 2, 2022, provides staff's response to the Appellant No. 1's August 23, 2021, appeal package.

On August 1, 2022, Appellant No. 1 submitted a Supplemental Appeal Package included as Attachments A-1, A-2, A-3, and A-4 to this Staff Memorandum. In the Supplemental Appeal Package two primary appeal issues are raised. These appeal issues and staff's responses are discussed below.

Supplemental Appeal Issue No. 1:
The Supplemental Appeal Package includes a hydrogeological Technical Memorandum (Attachment A-2) that disputes the Applicant's Water Source and Water Demand Memo. The Appellant's Technical Memo asserts that the water pumped from the Project wells is subterranean stream flow of Nojoqui Creek and Moonshine Creek, respectively, and as such, the Project and associated pumping must comply with the State Water Resources Control Board (SWRCB) Cannabis Cultivation Policy including the Numeric and Narrative Instream Flow Requirements established in the Policy.

Staff Response:

As discussed in the Staff Report dated August 2, 2022, the Applicant provided a Water Source and Water Demand Memo, prepared by a Professional Geologist, that includes details on the source of water drawn from Project wells, historic water use of the subject property, and projected water demand of the proposed Project. As discussed in the Water Source and Water Demand Memo, the projected water use of the Project will be below the historic water use on the Project site, and the Project wells are isolated from subterranean stream flow. The Appellant's Technical Memorandum does not dispute the conclusions of the Water Source and Water Demand Memo with respect to historic water use of the subject property and projected water demand of the proposed Project. The Appellant's Technical Memorandum only disputes the conclusion of the Water Source and Water Demand Memo that the Project wells are isolated from subterranean stream flow. The Appellant's Technical Memorandum asserts that the water pumped from the Project wells is subterranean stream flow of Nojoqui Creek and Moonshine Creek, respectively, and as such, the Project and associated pumping must comply with the SWRCB Cannabis Cultivation Policy including the Numeric and Narrative Instream Flow Requirements established in the Policy (e.g., pumping restrictions).

Ultimately, the permitting of surface water diversions, as well as diversions of groundwater that constitute a subterranean stream flowing in a known and definite channel, is within the exclusive jurisdiction of the SWRCB. In the event that the SWRCB determines that the Project's water source constitutes a subterranean stream flowing in a known and definite channel, the Project will be required to comply with all applicable regulations. Pursuant to Condition 21 of the Conditions of Approval (Attachment B to the Staff Report dated August 2, 2022), the Project must be operated to the satisfaction of the SWRCB, and in compliance with the SWRCB's Cannabis Cultivation Policy, which includes policies that 1) apply to surface and subsurface stream diversions, 2) that limit such diversions, and 3) that may restrict percolating groundwater diversions "where such restrictions are necessary to protect instream flows". However, P&D staff met with SWRCB staff to discuss the general issue of subterranean water flows in the County. During that meeting, SWRCB Water Rights Division staff confirmed that unless there is an existing determination by the State Water Board identifying a specific well as a surface water diverter, there is a presumption that all subsurface water is percolating groundwater. This information is confirmed in the email from SWRCB staff, dated April 7, 2022, and included as Attachment B to this Staff Memo. The SWRCB has not determined that the Project wells constitute subsurface stream diversions and has confirmed that absent such a determination, the wells are presumed to be sources of groundwater. Additionally, the Water Source and Water Demand Memo concluded that the Project is unlikely to substantially affect instream flows.

According to the Applicant's Water Source and Water Demand Memo, projected water usage for the proposed Project will be 26.6 acre-feet per year (AFY), and represents a 51% reduction in water use of the Project Site when compared to the 51.5 AFY average used over the previous 10 years of non-cannabis agricultural production onsite. Accordingly, there is substantial evidence that the Project's use of groundwater from the Project Site's existing wells provides an adequate water supply for the proposed Project.

Supplemental Appeal Issue No. 2

In the Supplemental Appeal Package Cover Letter (Attachment A-1) Appellant No. 1 states: *"In the petition and for the record, I formally object to the Nojoqui Farms Cannabis Project for the following reasons: deleterious water usage in an already impaired watershed, using fragile dryland regions to grow non-food crops and not food (food security), odor, vehicle traffic, crime, long-term business viability, lowered property values and broad ecosystem destruction."*

Staff Response:

The appeal issues pertaining to water use and odor are addressed above and in the Staff Report dated August 2, 2022. As previously discussed, the Applicant's Water Source and Water Demand Memo demonstrates that the Project will result in a reduction of the historic water use of the subject property. The conclusions of the Water Source and Water Demand Memo with respect to historic water use of the subject property and projected water demand of the proposed Project have not been disputed. Accordingly, there is substantial evidence that the Project's use of groundwater from the Project Site's existing wells provides an adequate water supply for the proposed Project. Further, the conclusions of the Water Source and Water Demand Memo demonstrate a beneficial impact of the proposed Project with respect to groundwater resources, when compared to the historic baseline use, against which the Project is evaluated under CEQA. Accordingly, there is substantial evidence that the Project was appropriately reviewed under CEQA with respect to groundwater resources.

The Appellant did not provide any additional information or supporting evidence pertaining to the other broad appeal issues that were cited (e.g., vehicle traffic, crime, broad ecosystem destruction, etc.). Additionally, the Appellant did not provide any information to demonstrate how these broad appeal issues constitute a failure of the Project to comply with an applicable development standard or Comprehensive Plan policy, or a failure to comply with CEQA. As demonstrated in Sections 6.2, 6.3, and 6.4 of the Staff Report dated August 2, 2022, the Project was appropriately reviewed under CEQA and is consistent with the Santa Barbara County Comprehensive Plan and applicable policies and standards set forth in the Land Use and Development Code.

Recommended Action:

As such, Staff recommends the Planning Commission take the action provided in the Staff Report dated August 2, 2022, repeated as follows:

1. Deny the appeals, Case Nos. 21APL-00000-00043 and 21APL-00000-00044.

2. Make the required findings for approval of the Project as specified in Attachment A of this Staff Report, including California Environmental Quality Act (CEQA) findings.

3. Determine that the previously certified Programmatic Environmental Impact Report (PEIR) (17EIR-00000-00003) is adequate and no subsequent environmental review is required pursuant to CEQA Guidelines §15162 and 15168(c) (Staff Report Attachments C and D).

4. Grant *de novo* approval of the Project, Case No. 19LUP-00000-00530, subject to the conditions included in Attachment B of this Staff Report.

ATTACHMENTS

A-1. Appellant No. 1 Supplemental Appeal Package Cover Letter, dated August 1, 2022
A-2. Technical Memorandum, Newton Geo-Hydrology Consulting, dated May 16, 2022
A-3. Cachuma Resource Conservation District Letter, dated January 3, 2022
A-4. Petition Comment Table
B. SWRCB Staff Email, dated April 7, 2022

Cc: Case File (to Planner)
Hearing Support

APPEAL OF NOJOQUI FARMS CANNABIS CULTIVATION PROJECT

EXECUTIVE INTRODUCTION

08/01/22

County Planning Commission
123 East Anupama Street
Santa Barbara, CA 93101
19LUP-00000-00530, Nojoqui Farms Cannabis Cultivation Project Appeal

Mr. Villalobos,

Please accept the files in this shared folder for submission to the commission as a part of my Nojoqui Farms Cannabis Appeal. In addition to the technical documentation and exhibits prepared by our subject matter expert (19LUP-00000-00530-WaterClassification.pdf, Exhibit 1.pdf, Exhibit 2.pdf), you will find a confirmation from the Cachuma Water District that there have been no formal water studies done in the Nojoqui Creek area and a copy of our petition log that contains names and comments from members of the general public. Start with reading the Water Classification pdf.

Please note that, although I appealed the Nojoqui Farms project primarily due to water concerns, the petition signers are members of the public that have additional, very legitimate concerns that I gave a platform to. Please review the petition document and pay special attention to the thoughtful comments you will find scattered throughout the 250+ signatories on the list. If we need to escalate beyond the planning commission, these comments should be of great interest to the board of supervisors.

In the petition and for the record, I formally object to the Nojoqui Farms Cannabis project for the following reasons: deleterious water usage in an already impaired watershed, using fragile dryland regions to grow non-food crops and not food (food security), odor, vehicle traffic, crime, long-term business viability, lowered property values and broad ecosystem destruction. Our neighbors in the Nojoqui Falls Corridor agree with me in this.

While our singular focus in the hearing will be water, it is important to me that these other concerns are entered into the record.

Respectfully,

Ed Seaman

TECHNICAL MEMORANDUM

TO: Planning Commission, County of Santa Barbara

FROM: Brad Newton, Ph.D., P.G. #8181

RE: 19LUP-00000-00530: Project Water Classification – Regulatory

DATE: May 16, 2022

EXECUTIVE SUMMARY

This memorandum documents the hydrogeologic basis for the characterization of the water pumped from the Nojoqui Main Well (40500) and two secondary wells (Moonshine #1 and Moonshine #2), for the proposed cannabis cultivation project as described in Land Use Permit No. 19LUP-00000-00530, County of Santa Barbara, Ca, located at 1889 Us-101 Highway, Buellton, Ca, 93427 ("subject property"), as **subterranean stream flow of the Nojoqui Creek and Moonshine Creek, respectively,** in a known and definite channel.

The subterranean channel has relatively impermeable bed and banks, a course that is known by evaluation of the geologic setting and Water Well Drillers Reports, and has groundwater flowing in it. **Therefore, the proposed project must comply with the State Water Resources Control Board (SWRCB) Cannabis Cultivation Policy, and the proposed pumping must adhere to the Numeric and Narrative Instream Flow Requirements established in this Policy (Cannabis Cultivation Policy: Attachment A, Section 3, dated February 5, 2019).**

BACKGROUND

The purpose of this Cannabis Cultivation Policy (Policy) is to ensure that the diversion of water and discharge of waste associated with cannabis cultivation does not have a negative impact on water quality, aquatic habitat, riparian habitat, wetlands, and springs. This Policy applies to the following cannabis cultivation activities throughout California. **All water diversions for cannabis cultivation from a surface stream, subterranean stream flowing through a known and definite channel (e.g., groundwater well diversions from subsurface stream flows), or other surface waterbody are subject to the surface water Numeric and Narrative Instream Flow Requirements.** This includes lakes, ponds, and springs (unless the spring is deemed exempt by the Deputy Director).

Cannabis cultivation legislation enacted California Water Code (Water Code) section 13149, which directs the State Water Board, in consultation with the California Department of Fish and

Wildlife (CDFW), to adopt interim and long-term principles and guidelines for the diversion and use of water for cannabis cultivation in areas where cannabis cultivation may have the potential to substantially affect instream flows. The legislation requires the State Water Board to establish these principles and guidelines as part of a state policy for water quality control. Per Water Code section 13149, the principles and guidelines:

- shall include measures to protect springs, wetlands, and aquatic habitats from negative impacts of cannabis cultivation; and

- may include requirements that apply to groundwater diversions where the State Water Board determines those requirements are reasonably necessary.

Additionally, Business and Professions Code section 26060.1(b) requires that these principles and guidelines be included as conditions in cannabis cultivation licenses issued by the California Department of Food and Agriculture (CDFA). The State Water Board has primary enforcement responsibility for the principles and guidelines and shall notify CDFA of any enforcement action taken.

The following has been Ordered by the SWRCB as outlined in the Numeric and Narrative Instream Flow Requirements:

A Cannabis cultivators shall not divert from a surface water (including subterranean stream flow) for cannabis cultivation between April 1 and October 31; and that between November 1 and March 31, cannabis cultivators shall not divert from a surface water or from a subterranean stream for cannabis cultivation at a rate more than a maximum instantaneous diversion rate of 10 gallons per minute, unless authorized under an existing appropriative water right.

SWRCB Regulatory Classification of Subterranean Stream

The SWRCB permitting jurisdiction over groundwater is generally limited to groundwater that meets criteria adopted by SWRCB in Water Board Decision 1639 regarding Garrapata Creek in Monterey County. The Garrapata Decision provides a test for SWRCB jurisdiction for water right permitting of groundwater extractions.

The following physical conditions must exist for groundwater to be classified as a subterranean stream flowing through a known and definite channel:

1. A subsurface channel must be present;
2. The channel must have relatively impermeable bed and banks;
3. The course of the channel must be known or capable of being determined by reasonable inference; and
4. Groundwater must be flowing in the channel.

Notably, proximity of a well to the stream, or the physical attributes of a well, are not part of the so called four-part test.

PROPOSED PROJECT REGIONAL HYDROGEOLOGY DESCRIPTION

Water Source & Water Demand (revised), prepared by Charles E. Katherman (CA PG #4069) and dated March 2020 (Exhibit 1), states the following:

The subject property is within a small intermontane basin where **ground water is associated with an erosional depression of limited extent containing various thicknesses (10 – 200 feet) of young, Quaternary alluvial sediments associated with the area's streams, creeks, and drainages**. The Nojoqui Farm is bordered on the west by the Nojoqui Creek and the east by US Highway 101. The Primary ridgeline of the Santa Ynez Mountain Range lies between the subject property and the Pacific Ocean, which directs runoff from the significant drainage to the north toward the Santa Ynez River. The estimated watershed for the Nojoqui Creek is approximately 20 square miles, a fairly large drainage area for a small basin. **Consequently, recharge to the area alluvial aquifers is mostly from winter rainfall/runoff and creek water infiltration, as well as some contribution from area irrigation seepage** (Exhibit 1: last paragraph of page 2 through first paragraph of page 3).

Geologically, the Nojoqui Farm parcels are located in an east-west trending fold belt that makes up the northern flank of the Santa Ynez Mountains. **The area is underlain primarily with consolidated older sediments of the Cretaceous and Mid-Tertiary aged rocks (Figure 5). These Mid-Tertiary rocks, including the Matillja, Cozy Dell, Gaviota and Sacate Formations, typically do not contain large volumes of groundwater, lacking enough porosity and permeability to hold significant water** (Figure 6A&6B**). However, where these units do contain water is usually associated with overlying groundwater, such as that found in alluvial sediments in rivers, streams and drainages** (Exhibit 1: first paragraph of Geohydrology section page 2).

Consequently, the primary ground water sources here are the shallow alluvial sediments that overlie the older rocks. Varying in thickness from 10 feet to 200 feet, these alluvial sediments have formed over time due to erosion of the surrounding older rocks and the deposition of eroded clays, silts, sands and gravels into the low-lying areas within the drainages of the local creeks and streams (Exhibit 1: first paragraph of Geohydrology section page 2).

PROPOSED PROJECT WELLS DESCRIPTION

The Nojoqui Farm Main Well was drilled in 1964 to **a depth of 76 feet**. The well was completed with 8-inch steel casing to a depth of 55 feet. The production perforations were steel (Mills) knife cut from 44 ' to 49', which corresponds to a permeable water zone at the same depth. The standing level or static level following the completion of this well was measured at 30 feet (Well Completion Report in Appendix). However, it is likely that the older sediments from 50 feet to 76 feet are also contributing groundwater to the Main Well's productive capacity, as there is no restriction to potential flow from the bottom of the casing at 55 feet and from the sediments in the open borehole below the casing. **A cement sanitary seal was placed in this well from 22 feet to the surface** (Exhibit 1: first paragraph of Main Well section page 4).

Moonshine 1 was drilled in November of 1995 to **a total depth of 180 feet**. The well was completed with 6 inch steel casing run to 180 feet. The perforated or screened interval was 60 feet to 180 feet. **A cement sanitary seal was placed from 60 feet to the surface** (Exhibit 1: second paragraph of Secondary Wells section page 5).

The Moonshine #2 Well was drilled in October of 2016 to **a total depth of 800 feet**. The well was completed with 6-inch PVC casing that was landed at 800 feet. The well's screened interval was from 260 to 800 feet with **a 51 foot cement sanitary seal** (Exhibit 1: second paragraph of Secondary Wells section page 5 to first line of page 6).

All 3 wells produce water from the bottom of the sanitary seal to the total drilled depth. The Main Well pumps from 22 feet below ground surface (ft bgs) to 76 ft bgs. Moonshine #1 pumps water from 60 ft bgs to 180 ft bgs. And, Moonshine #2 pumps water from 51 ft bgs to 800 ft bgs.

CLASSIFICATION OF WATER PRODUCED BY WELLS AS DESCRIBED IN THE PROPOSED PROJECT

The SWRCB Garrapata Decision provides a test for groundwater to be classified as a subterranean stream flowing through a known and definite channel. Water Source & Water Demand (revised) report, prepared by Charles E. Katherman (CA PG #4069) and dated March 2020 (Exhibit 1), purports evidence (1 – 6) that the water produced by the project wells is "percolating groundwater". **This is not consistent with the SWRCB definition.**

The following section titled "Origin of Produced Well Water" of the Water Source & Water Demand (revised) report, prepared by Charles E. Katherman (CA PG #4069) and dated March 2020 (Exhibit 1), states the following:

> **ORIGIN OF PRODUCED WELL WATER**
>
> One of the primary questions being addressed here is whether the water supplied to the Nojoqui Farm operations is surface water or groundwater. The answer is percolating groundwater. The evidence supporting a determination of a groundwater is as follows:
>
> 1. The recent pump test on the Main Well showed no influence on the nearby Nojoqui Creek. The creek level and the static levels of two nearby wells were monitored throughout the test period and no significant changes were observed.
> 2. Following the termination of the Main Well pump test, a 30 minute recovery period was observed with the water level returning to the static level measured at the beginning of the pump test. A failure of the recovered water level to return to the depth of the beginning static level would have indicated a major loss of water from the aquifer and a subsequent drop in the creek level. None was observed.
> 3. When the Main Well was drilled and completed the static level was 30 feet below grade, which is well below (26 feet) the elevation ofthe surface water in Nojoqui Creek, indicating a lack of a direct connection in the subsurface with the creek surface waters.
> 4. The subject Nojoqui Main Well contains a confining clay layer from near surface to 37 feet. This clay layer is mostly impermeable and will not readily transmit water downward into the water-bearing sediments below it. This clay zone likely also confines the subsurface flow from communicating directly with the surface flow (Figure 10).

5. In support of Statement #4 above, there are different water chemistries between the surface water ofthe creek and the water-bearing sediments below the confining clay layer. The chemical analysis on the creek surface water is pending, but a handheld Total Dissolved Solids (TDS) meter indicated a TDS or salinity level of 300 parts per million (ppm) versus 860 ppm for the recently tested groundwater being produced from the Main Well. A significantly different value for salinity further indicates that the subsurface water produced by the Main Well is not communicating at this location with the surface waters from the Nojoqui Creek.

6. One of the key tests for determining whether the Nojoqui Well is producing surface water versus groundwater is the four-part Garrapata test (SWRCB), which states that for water flow to be classified as a subterranean stream flowing through a known and definite channel, the following physical conditions must exist: (a) a subsurface channel must be present; (b) the channel must have a relatively impermeable bed and banks; (c) the course of the channel must be known or capable of being determined by reasonable inference; and (d) water must be flowing in the channel.

   In the case of the Nojoqui Well the hydrogeological conditions that exist do not meet the Garrapata criteria of Parts b and d. The channel of Nojoqui Creek is underlain by permeable sediments of the Tertiary Sacate/Gaviota Formation, which is water-bearing and productive in area water wells to the north of the subject Nojoqui Main Well; and likely contributes groundwater to the overall flow from the Main Well. As for Part d, the subsurface water within the alluvial sediments penetrated by the Nojoqui Well does not continue flowing north in conjunction with the Nojoqui Creek surface water, which flows north 3.5 miles to the Santa Ynez River. The subsurface water in the alluvial sediments below the confining layer is ponded behind the area's older sediments which outcrop at the surface north of the Nojoqui Main Well. This bathtub effect is shown in the north-south cross section in Figure 10.

PROPOSED PROJECT CLASSIFICATION OF WATER IS NOT CONSISTENT WITH THE SWRCB REGULATORY DEFINITION.

The SWRCB Cannabis Cultivation Policy defines policy applicability for:

"All water diversions for cannabis cultivation from a surface stream, subterranean stream flowing through a known and definite channel (e.g., groundwater well

diversions from subsurface stream flows), or other surface waterbody are subject to the surface water Numeric and Narrative Instream Flow Requirements."

The SWRCB Garrapata Decision provides a test for groundwater to be classified as a subterranean stream flowing through a known and definite channel. **The 6 items of purported evidence** from the "Origin of the Produced Well Water" section of the Water Source & Water Demand (revised) report, prepared by Charles E. Katherman (CA PG #4069) and dated March 2020 (Exhibit 1), **are not part of the so called four-part test**.

1. Pump test influence on nearby creeks **is not part of the SWRCB test**.
2. Recovery period following a pump test **is not part of the SWRCB test**.
3. Static water level relative to the surface water within a creek **is not part of the SWRCB test**.
4. A confining clay layer or specific stratigraphy **is not part of the SWRCB test**.
5. Water chemistry **is not part of the SWRCB test**.
6. Two parts (b and d) are purported to be evidence that the water produced by the wells is not subject to SWRCB authority:

> Part b: The channel of Nojoqui Creek is underlain by permeable sediments of the Tertiary Sacate/Gaviota Formation, which is water-bearing and productive in area water wells to the north of the subject Nojoqui Main Well; and likely contributes groundwater to the overall flow from the Main Well (Exhibit 1, page 7).
>
> However, this statement is contradicted by:

The area is underlain primarily with consolidated older sediments of the Cretaceous and Mid-Tertiary aged rocks (Figure 5). These Mid-Tertiary rocks, including the Matillja, Cozy Dell, Gaviota and Sacate Formations, typically do not contain large volumes of groundwater, lacking enough porosity and permeability to hold significant water (Figure 6A&6B**). However, where these units do contain water is usually associated with overlying groundwater, such as that found in alluvial sediments in rivers, streams and drainages** (Exhibit 1: first paragraph of Geohydrology section page 2). Moreover, **all 3 wells produce water from the bottom of the sanitary seal to the total drilled depth. The Main Well pumps from 22 feet below ground surface (ft bgs) to 76 ft bgs. Moonshine #1 pumps water from 60 ft bgs to 180 ft bgs. And, Moonshine #2 pumps water from 51 ft bgs to 800 ft bgs. In all**

three wells, the water producing portion of the stratigraphy includes the Quaternary Alluvium sediments, which are within the definable bed and banks of the subterranean stream channel.

> Part d: the subsurface water within the alluvial sediments penetrated by the Nojoqui Well does not continue flowing north in conjunction with the Nojoqui Creek surface water, which flows north 3.5 miles to the Santa Ynez River. The subsurface water in the alluvial sediments below the confining layer is ponded behind the area's older sediments which outcrop at the surface north of the Nojoqui Main Well. This bathtub effect is shown in the north-south cross section in Figure 10 (Exhibit 1, page 7).
>
> However, **to where** the water flows **is not part of the SWRCB test.**

CLASSIFICATION OF PROPOSED PROJECT WATER PRODUCED BY WELLS CONSISTENT WITH THE SWRCB REGULATORY DEFINITION

The Water Board Garrapata Decision four-part test for SWRCB jurisdiction for water right permitting of groundwater extractions is founded upon the following physical conditions for groundwater to be classified as a subterranean stream flowing through a known and definite channel:

1. A subsurface channel must be present;
2. The channel must have relatively impermeable bed and banks;
3. The course of the channel must be known or capable of being determined by reasonable inference; and
4. Groundwater must be flowing in the channel.

Part 1: Description of the subterranean channel

The subject property is within a small intermontane basin where **ground water is associated with an erosional depression of limited extent containing various thicknesses (10 – 200 feet) of young, Quaternary alluvial sediments associated with the area's streams, creeks, and drainages. … recharge to the area alluvial aquifers is mostly from winter rainfall/runoff**

and creek water infiltration, as well as some contribution from area irrigation seepage (Exhibit 1: last paragraph of page 2 through first paragraph of page 3)

Geological Survey Water Supply Paper 1107 (USGS, 1951) describes the geology of the shallow and water bearing sediments of the Santa Ynez River Basin, which includes the Nojoqui Creek tributary. **The deposits that constitute the younger alluvium are known chiefly from well logs and consist of unconsolidated clay, silt, sand, and gravel. They range in thickness from a feather edge to a maximum of about 200 feet, and they rest unconformably on all the older formations heretofore described. The younger alluvium was deposited in valleys carved by former streams that flowed toward a shoreline at least 200 feet below present sea level.**

USGS and DWR driller well log database contains thirteen additional well logs, dated from the 1960s to present, within or proximal to the subject property. All of these well completion reports show well designs that allow subterranean stream flow water to be produced from each of the wells. This evidence demonstrates the long history of wells producing from the subterranean channel (Exhibit 2).

The proposed project acknowledges the presence of subsurface channel in the report titled "Water Source & Water Demand (revised)", prepared by Charles E. Katherman (CA PG #4069) and dated March 2020 (Exhibit 1), stating the following:

Consequently, the primary ground water sources here are the shallow alluvial sediments that overlie the older rocks. Varying in thickness from 10 feet to 200 feet, these alluvial sediments have formed over time due to erosion of the surrounding older rocks and the deposition of eroded clays, silts, sands and gravels into the low-lying areas within the drainages of the local creeks and streams (Exhibit 1: first paragraph of Geohydrology section page 2).

The subsurface channel contains these Quaternary Alluvial deposits of silt, sand, and gravels from which the wells produce water, below the sanitary seal (**The Main Well pumps from 22 feet below ground surface (ft bgs) to 76 ft bgs. Moonshine #1 pumps water from 60 ft bgs to 180 ft bgs. And, Moonshine #2 pumps water from 51 ft bgs to 800 ft bgs**).

Part 2: Relatively impermeable bed and banks of the subterranean channel

Geological Survey Water Supply Paper 1107 (USGS, 1951) describes the geology of the consolidated bedrock underlying the Nojoqui Creek tributary. **The consolidated rocks of**

Tertiary age are not water bearing at most places, but contain some water in fractures. Such as is obtainable is small in amount and uncertain in location. No wells derive water exclusively from them; and a few wells obtain water of a chemical quality unsuitable for some agricultural uses. Essentially, these rocks constitute relatively impermeable sides and bottoms for overlying bodies of water-bearing deposits.

The proposed project acknowledges the relatively impermeable characteristic of the underlying consolidated rocks in the report titled "Water Source & Water Demand (revised)", prepared by Charles E. Katherman (CA PG #4069) and dated March 2020 (Exhibit 1), stating the following:

Geologically, the Nojoqui Farm parcels are located in an east-west trending fold belt that makes up the northern flank of the Santa Ynez Mountains. **The area is underlain primarily with consolidated older sediments of the Cretaceous and Mid-Tertiary aged rocks (Figure 5). These Mid-Tertiary rocks, including the Matillja, Cozy Dell, Gaviota and Sacate Formations, typically do not contain large volumes of groundwater, lacking enough porosity and permeability to hold significant water** (Figure 6A&6B**). However, where these units do contain water is usually associated with overlying groundwater, such as that found in alluvial sediments in rivers, streams and drainages** (Exhibit 1: first paragraph of Geohydrology section page 2).

Five additional wells (6N/32W-36 R1, R2, R3, R4, and R5), located on the subject property, are all completed within 70 feet depth from the ground surface and within the alluvium deposits of the Nojoqui Creek that lie on top of the impermeable bed and banks (Exhibit 2).

The subject property is within a small intermontane basin where **ground water is associated with an erosional depression of limited extent containing various thicknesses (10 – 200 feet) of young, Quaternary alluvial sediments associated with the area's streams, creeks, and drainages**. The Nojoqui Farm is bordered on the west by the Nojoqui Creek and the east by US Highway 101. The Primary ridgeline of the Santa Ynez Mountain Range lies between the subject property and the Pacific Ocean, which directs runoff from the significant drainage to the north toward the Santa Ynez River. The estimated watershed for the Nojoqui Creek is approximately 20 square miles, a fairly large drainage area for a small basin. **Consequently, recharge to the area alluvial aquifers is mostly from winter rainfall/runoff and creek water infiltration, as well as some contribution from area irrigation seepage** (Exhibit 1: last paragraph of page 2 through first paragraph of page 3).

Part 3: Course of the subterranean channel must be known or capable of being determined

The proposed project acknowledges the course of the subterranean channel as Quaternary Alluvium (Qa) identified on the geologic map (Figure 6A in the report titled "Water Source & Water Demand (revised)", prepared by Charles E. Katherman (CA PG #4069) and dated March 2020 (Exhibit 1).

The thirteen well logs from the USGS and DWR driller well log database as shown on the topographic map describe the course of the subterranean channel in the area of the subject property (Exhibit 2).

Part 4: Groundwater must be flowing in the channel

The proposed project acknowledges the presence of groundwater within the subsurface channel in the report Water Source & Water Demand (revised), prepared by Charles E. Katherman (CA PG #4069) and dated March 2020 (Exhibit 1), stating the following:

During a pump capacity test, performed in April of 2020 on the Main Well, the static water level was measured at 12.5 feet (below ground surface) and the stable pumping level was 22.8 feet (below ground surface). After 4 hours of testing, a short recovery period of only 30 minutes was observed following the cessation of pumping, as the fluid level rose quickly back to the starting static water level (12.6 feet) (Exhibit 1, Main Well pages 4 – 5: Pump Test Data in Appendix).

During a pump capacity test performed on the Moonshine #1 well, the static water level was recorded at 25 feet below grade (below ground surface); well below the elevation of nearby Nojoqui Creek (Exhibit 1, Main Well pages 5 – 6: Pump Test Data in Appendix).

A pump capacity test was attempted on the Moonshine #2. However, no static water level was reported, nor a recovery water level following an abbreviated pump test (Exhibit 1, Main Well pages 5 – 6: Pump Test Data in Appendix).

The Main Well pumps from 22 feet below ground surface (ft bgs) to 76 ft bgs. Moonshine #1 pumps water from 60 ft bgs to 180 ft bgs. And, Moonshine #2 pumps water from 51 ft bgs to 800 ft bgs. In all three wells, the water producing portion of the stratigraphy includes the Quaternary Alluvium sediments, which are within the definable bed and banks of the subterranean stream channel.

All three wells described in the Proposed Project are constructed such that there is no physical means to prevent groundwater flowing in the subterranean channel from being pumped, and therefore the pumped waters are within the jurisdiction of the SWRCB and **are subject to the surface water Numeric and Narrative Instream Flow Requirements.**

FINDINGS

Newton Geo-Hydrology Consulting Services has collected and compiled existing information to develop an understanding of the Nojoqui Creek and Moonshine Creek Alluvium geology, identify structural geology features, and geomorphic features. Available well logs were compiled and evaluated to determine the extent of the Nojoqui and Moonshine Creek alluvium deposits and its water. This site specific data was considered in the context of the State Water Resources Control Board - Cannabis Cultivation Policy which addressed the use of stream flow diversions for cannabis cultivation.

It has been determined that the water pumped from the Main Well, Moonshine Well #1 and Moonshine Well #2, as described for the proposed cannabis cultivation project in Land Use Permit No. 19LUP-00000-00530, **is subterranean stream flow of the Nojoqui Creek and Moonshine Creek** occurring in a known and definite channel. The subterranean channel has relatively impermeable bed and banks, a course that is known by evaluation of the geologic setting and Water Well Drillers Reports, and has groundwater flowing in it. **Therefore, the proposed project must follow to the State Water Resources Control Board (SWRCB) Cannabis Cultivation Policy, and the proposed pumping must adhere to the Numeric and Narrative Instream Flow Requirements established in this Policy (Cannabis Cultivation Policy: Attachment A, Section 3, dated February 5, 2019).**

REFERENCES

Freeze, R. A., & Cherry, J. A. (1979). *Groundwater*. Englewood Cliffs, N.J: Prentice-Hall.

State Water Resources Control Board, Cannabis Cultivation Policy, April 16, 2019, https://www.waterboards.ca.gov/water_issues/programs/cannabis/cannabis_policy.html

USGS, 1951. Geology and Water Resources of the Santa Ynez River Basin, Santa Barbara County, California, by Upson and Thomasson, Geological Survey Water-Supply Paper 1107, dated 1951.

U.S. Department of the Interior | U.S. Geological Survey | Water Resources
URL: https://maps.waterdata.usgs.gov/mapper
Questions about sites/data should be directed to Water Webserver Team
Page Contact Information: NWIS Mapper Team
Last Modified: 9/17/2020, 10:23:22 AM

EXHIBIT 1

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WATER SOURCE & WATER DEMAND (Revised)
NOJOQUI FARM CANNABIS PROJECT
1889 S. Highway 101, Buellton, CA
MARCH 2022

PROJECT DESCRIPTION

The Nojoqui Farm cannabis project is located approximately 3.5 miles south of the City of Buellton in Santa Barbara County, California (Figures 1A). The project consists of up to 25.93 acres of various cannabis operations, including 21.55 acres of outdoor cultivation under hoops, 2.61 acres of outdoor cultivation without hoops and 1.54 acres of nursery cultivation under hoops. The project will be located on the Nojoqui Farm property (APN 083-430-014) at 1889 US Highway 101, Buellton, California. There is an existing water delivery system that has been in place for over 50 years that delivers water primarily to this property (consisting of 53 acres), but also to the adjacent 33 acre property (083-430-031). These parcels are collectively referred to as the Nojoqui Property. This system consists of three water wells and separate components for agricultural use and for domestic (potable) use.

This memorandum analyzes (1) whether the water system produces water from or impacts Nojoqui Creek, and (2) the overall project water demand. In response to (1), the evidence shows that the water system does not impact Nojoqui Creek but produces water from a groundwater source not a riparian source, and (2) the project water demand is 24.4 acre-feet per year (AFY), which is a significant reduction in the baseline water consumption compared to the historical organic farming operations.

LOCATION

The subject property lies in the southwestern part of Santa Barbara County, California within the east-west trending Santa Rosa Hills, which comprise the foothill area along the north flank of the Santa Ynez Mountains (Figure 1B). The parcels are situated between US Highway 101 on the east and Nojoqui Creek on the west, lying 4 miles south of Buellton and 4 miles north of Gaviota Pass (Figure 2). The area topography varies greatly from 500 feet in the narrow creek floodplains to greater than 2400 feet along the mountain ridges to the south (Figure 4). The two Nojoqui parcels consist of 53 acres and 33 acres respectively; the project will be located

entirely on the 53 acre parcel (083-430-014). The range of elevation for this generally flat-lying property is 560 to 600 feet above sea level. Land use in this area surrounding and including the Nojoqui parcels is primarily row crops, while the more steeply sloping area properties are utilized for grazing.

GEOHYDROLOGY

Geologically, the Nojoqui Farm parcels are located in an east-west trending fold belt that makes up the northern flank of the Santa Ynez Mountains. The area is underlain primarily with consolidated older sediments of the Cretaceous and Mid-Tertiary aged rocks (Figure 5). These Mid-Tertiary rocks, including the Matillja, Cozy Dell, Gaviota and Sacate Formations, typically do not contain large volumes of groundwater, lacking enough porosity and permeability to hold significant water (Figure 6A&6B). However, where these units do contain water is usually associated with overlying groundwater, such as that found in alluvial sediments in rivers, streams and drainages. In the older sediments water quantity is typically smaller and the water quality is fair (non-potable). To the north in the Santa Ynez River Basin the primary water-bearing sediments are usually part of the recent Alluvium and the Plio-Pleistocene Careaga and Paso Robles Formations. However, in the Nojoqui Farm area the sands and gravels of the Careaga and Paso Robles units are absent in the region south of the Santa Ynez Basin having been eroded off and/or never deposited here. Consequently, the primary ground water sources here are the shallow alluvial sediments that overlie the older rocks. Varying in thickness from 10 feet to 200 feet, these alluvial sediments have formed over time due to erosion of the surrounding older rocks and the deposition of eroded clays, silts, sands and gravels into the low-lying areas within the drainages of the local creeks and streams. A regional cross section (Figure 7) shows the disposition of the younger sediments and their relationship to the complex, tectonically folded and faulted older sediments associated with the Santa Ynez Mountain Range to the south. A second north-south cross section shows the local details of the above-mentioned shallow sediments relative to the underlying older rocks (Figure 8).

Hydrologically, the Nojoqui property is located outside of any State Water Resources Control Board designated groundwater basin and is well south (3.5 miles) of the Santa Ynez River Basin. However, the subject land is within a small intermontane basin where ground water is associated with an erosional depression of limited extent containing various thicknesses (10-200 feet) of young, Quaternary alluvial sediments associated with the area's streams, creeks

and drainages. The Nojoqui Farm is bordered on the west by Nojoqui Creek and the east by US Highway 101.The primary ridgeline of the Santa Ynez Mountain Range lies between the subject property and the Pacific Ocean, which directs runoff from the significant drainage to the north toward the Santa Ynez River. The estimated watershed for the Nojoqui Creek is approximately 20 square miles, a fairly large drainage area for a small basin. Consequently, recharge to the area alluvial aquifers is mostly from winter rainfall/runoff and creek water infiltration, as well as some contribution from area irrigation seepage.

Additional details on the local geohydrology can be found in the hydrology report prepared for Santa Barbara County Environmental Health Services as a part of the application/permit for a Single Parcel Water System (SPWS) (See Appendix). This hydrology report can be made available if needed with this Water Source & Water Demand Report.

WATER SYSTEM SUMMARY

The existing water system for Nojoqui Farm has been in place since the mid-1960's and consists of three water wells and an associated water distribution system as described below. The Nojoqui Farm water system services both the domestic (potable water) side of the system, as well as the agricultural (irrigation) components. The domestic portion of the system was recently permitted with Santa Barbara County as a single parcel water system, which supplies water to two connections, the primary farmhouse and the packing shed/office. The irrigation side of the system is separated from the domestic portion in order to prevent any cross contamination (see plot plan in Appendix). The irrigation system currently reaches across the entirety of the primary Nojoqui parcel (APN 083-430-014) and into the adjoining 33 acre property (APN 083-4430-031) to the north as well, which is also under contract to Nojoqui Farm.

The primary water source for this system is the Main Well, which is located within an easement on a separate parcel, APN 083-430-015, known as the Well Property (Figure 3). This Well Property was subdivided from the Nojoqui Property (APN 083-430-014) in 1964 and included easements for the Main Well and the associated water system pipeline. In 1965 the main farmhouse was built, and the various parts of the water system were constructed over the years to serve both the agricultural and domestic needs of the Nojoqui Property. Based on a review of historical records, it is my understanding that the Main Well has exclusively been used for the Nojoqui Property.

MAIN WELL

The Nojoqui Farm Main Well was drilled in 1964 to a depth of 76 feet. The well was completed with 8-inch steel casing to a depth of 55 feet. The production perforations were steel (Mills) knife cut from 44 ' to 49', which corresponds to a permeable water zone at the same depth. The standing level or static level following the completion of this well was measured at 30 feet (Well Completion Report in Appendix). However, it is likely that the older sediments from 50 feet to 76 feet are also contributing groundwater to the Main Well's productive capacity, as there is no restriction to potential flow from the bottom of the casing at 55 feet and from the sediments in the open borehole below the casing. A cement sanitary seal was placed in this well from 22 feet to the surface. The primary purpose of this seal is to prevent any surface or near surface water from entering the well and to prevent any potential contamination from wildlife.

A pump capacity test was performed in April of 2020 on the Main Well. The well was pumped continuously for a period of 4 hours at an average flowrate of 100+ gallons per minute (gpm). While the well is capable of producing at a higher rate (approx.. 150-250 gpm), there was no reason to pump the well at a maximum rate since the actual specific capacity of the well was unknown before the testing. The lower flowrate of 100+ gpm was also chosen so as to not overflow the 30,000 gallon storage tank during testing. In addition, Santa Barbara County EHS allows the onsite hydrologist to determine the needed pumping period and pumping rate when a well has a stable pumping rate of over 50 gpm. Likewise, State and County regulations do not allow extracted water during a test to flow on the ground near a riparian area.

The static water level was measured at 12.5 feet and the stable pumping level was 22.8 feet after 4 hours of testing. The well was also produced into the existing storage tank during the test, in order to avoid flowing the well onto the ground and into the riparian area, which is prohibited by both State and County regulations. Four hours of testing resulted in a stable pumping level and at the time was considered adequate to establish the overall capacity of this well to produce water over the long term. A short recovery period of only 30 minutes was observed following the cessation of pumping, as the fluid level rose quickly back to the starting static water level (12.6 feet) (pump Test Data in Appendix).

Due to the proximity of the Main Well to Nojoqui Creek, monitoring of the surface water level in the creek occurred during the pump testing of the Main Well. No significant changes were observed in the creek level other than minor fluctuations (less than ¼ of an inch) that would normally occur during the day due to changes in sunlight, changes in daily temperature and evaporation rate, and changes in atmospheric pressure. The static levels of two nearby wells

were also monitored. A shallow well open to the atmosphere and containing no pump, no piping and no electrical, known as the Wishing Well, is located 80 feet from the Main Well to the northwest. A second idle well (Farmhouse) 700 feet to the northeast behind the primary farm residence of Nojoqui Farm was also monitored. A drop of 0.5 inches in the static level was observed in the Wishing Well, however the static level returned to the beginning level within 5 minutes after pumping stopped.

During testing no change occurred in the Farmhouse Well. A water sample was taken at the end of the Main Well testing and submitted to Fruit Growers Lab for analysis. The water passed for all of the drinking water constituents necessary to establish this water source as potable.

SECONDARY WELLS

Two additional water wells are available to serve the subject Property. These wells are located on an adjacent property to the north, which is a 33 acre parcel (APN 083-430-031) that is also being purchased by the applicant, Nojoqui Farm and is referred to as the Sunburst property. Historically, the wells have been utilized as an irrigation supply for organic farming on both the Nojoqui Farm parcel and the Sunburst parcel and are tied into these lands via an existing easement and pipeline system over Nojoqui Creek. This has allowed water to flow to both parcels, depending on the needed water demand of each parcel. A map of the these well locations and the pipeline system is included in the Appendix.

Known as Moonshine #1 and Moonshine #2, these wells both produce water from the older sediments, not the younger alluvial sediments (Well Completio Reports in Appendix). Moonshine 1 was drilled in November of 1995 to a total depth of 180 feet. The well was completed with 6 inch steel casing run to 180 feet. The perforated or screened interval was 60 feet to 180 feet. A cement sanitary seal was placed from 60 feet to the surface. A 12 hour pump test on this well recovered water at a rate of 50 gallons per minute (gpm). Additionally, the well location is on the edge of the Tertiary Cozy Dell Formation outcrop (surface) so some of the shallow penetrated sediment layers are likely erosional remnants of the older sediments that are not connected to Nojoqui Creek (Well Completion Report in Appendix). The Moonshine #1 is located 500 feet from Nojoqui Creek. The static water level was recorded at 25 feet below grade; well below the elevation of nearby Nojoqui Creek. The Moonshine #2 Well was drilled in October of 2016 to a total depth of 800 feet. The well was completed with 6-inch PVC casing that was landed at 800 feet. The well's screened interval was from 260 to 800 feet

with a 51 foot cement sanitary seal. Consequently, there is no connection to the creek, as the shallow alluvial sediments are cemented off by the seal and therefore are not included in the perforated interval. This well yielded 25 gallons per minute on an abbreviated pump test. Chemical analyses on the water extracted from the Moonshine #2 was performed in 2016 and again in 2020 indicated a decent water quality for agricultural purposes. However, the water would require some treatment in order to be utilized for domestic purposes.

Permitting and planning for an additional back-up well on the Nojoqui parcel (APN 083-430-014) has been completed with an estimated completion date of June 2022. This well has been permitted and planned for the Property and will be located near the idled water well behind the farmhouse. At this time no projected water flowrates or volumes for this future well have been added to the project. The existing wells are more than adequate to meet the project water demand, so this proposed well will only be a back-up for cultivation at Nojoqui Farm.

ORIGIN OF PRODUCED WELL WATER

One of the primary questions being addressed here is whether the water supplied to the Nojoqui Farm operations is surface water or groundwater. The answer is percolating groundwater. The evidence supporting a determination of a groundwater is as follows:

1. The recent pump test on the Main Well showed no influence on the nearby Nojoqui Creek. The creek level and the static levels of two nearby wells were monitored throughout the test period and no significant changes were observed.

2. Following the termination of the Main Well pump test, a 30 minute recovery period was observed with the water level returning to the static level measured at the beginning of the pump test. A failure of the recovered water level to return to the depth of the beginning static level would have indicated a major loss of water from the aquifer and a subsequent drop in the creek level. None was observed.

3. When the Main Well was drilled and completed the static level was 30 feet below grade, which is well below (26 feet) the elevation of the surface water in Nojoqui Creek, indicating a lack of a direct connection in the subsurface with the creek surface waters.

4. The subject Nojoqui Main Well contains a confining clay layer from near surface to 37 feet. This clay layer is mostly impermeable and will not readily transmit water downward into the water-bearing sediments below it. This clay zone likely also confines the subsurface flow from communicating directly with the surface flow (Figure 10).

5. In support of Statement #4 above, there are different water chemistries between the surface water of the creek and the water-bearing sediments below the confining clay layer. The chemical analysis on the creek surface water is pending, but a hand-held Total Dissolved Solids (TDS) meter indicated a TDS or salinity level of 300 parts per million (ppm) versus 860 ppm for the recently tested groundwater being produced from the Main Well. A significantly different value for salinity further indicates that the subsurface water produced by the Main Well is not communicating at this location with the surface waters from the Nojoqui Creek.

6. One of the key tests for determining whether the Nojoqui Well is producing surface water versus groundwater is the four-part Garrapata test (SWRCB), which states that for water flow to be classified as a subterranean stream flowing through a known and definite channel, the following physical conditions must exist: (a) a subsurface channel must be present; (b) the channel must have a relatively impermeable bed and banks; (c) the course of the channel must be known or capable of being determined by reasonable inference; and (d) water must be flowing in the channel.

   In the case of the Nojoqui Well the hydrogeological conditions that exist do not meet the Garrapata criteria of Parts b and d. The channel of Nojoqui Creek is underlain by permeable sediments of the Tertiary Sacate/Gaviota Formation, which is water-bearing and productive in area water wells to the north of the subject Nojoqui Main Well; and likely contributes groundwater to the overall flow from the Main Well. As for Part d, the subsurface water within the alluvial sediments penetrated by the Nojoqui Well does not continue flowing north in conjunction with the Nojoqui Creek surface water, which flows north 3.5 miles to the Santa Ynez River. The subsurface water in the alluvial sediments below the confining layer is ponded behind the area's older sediments which outcrop at the surface north of the Nojoqui Main Well. This bathtub effect is shown in the north-south cross section in Figure 10.

HISTORIC WATER DEMAND

Nojoqui Farm was a certified organic farm from 1992 to 2017. The detailed water consumption records for 2010 through 2016 have been reviewed and are incorporated into this report (Appendix). The total water usage from 2010 -2016 averaged 106 AF per year. However, only the water use from the Main Well was recorded as the backup wells, Moonshine #1 and Moonshine #2 did not have flowmeters installed and only were used to irrigate the northern 33 acre parcel. The total amount of irrigated acreage from 1992 to 2017 varied from 40 acres to 65 acres; 25-28 acres on the primary parcel (APN 083-430-014) and 18-40 acres on the two adjacent parcels (APN 083-430-031 and -035). After the death of the lead grower/farm manager in 2017 the organic farming operation ceased to exist. In its place approximately 20-25 acres of oat hay was grown instead of row crops in 2017-2018. Unfortunately, there are no detailed records for water use in those years, but an estimate of 50-75 AFY is being supplied based on a water use factor of 2.5-3.0 AFY/acre for oat hay. The property was farmed in hemp in 2019, but only on a limited basis (5 acres) with an estimated water consumption of 9 AFY. The farm ground was left fallow in 2020. Combining all of the water consumption estimates and records from 2010 through 2019 (10 years) the average annual water usage was 82 AFY.

PROJECTED WATER USE

The recent UC Ag Extension data for water consumption for row crops in Santa Barbara County lists a value of 2.5 acre-feet per year per acre (AFY/Ac) for these crops. San Luis Obispo County utilizes 1.9 AFY/Ac for these same crops. From researching recent water consumption on several area cannabis operations, it appears as though the water demand estimates for cannabis have been grossly overstated at 1.9 to 2.0 AFY/Ac. A recent cannabis presentation in front of the Santa Barbara County Board of Supervisor by CCA located on Santa Rosa Road in Buellton revealed a demand factor of approximately 0.50 AFY/Ac. This data was based on accurate water metering and recordkeeping and also involved the use of state-of-the-art drip irrigation for in-ground cultivation. Consequently, this project is similar to Nojoqui Farm in that it involves all in-ground cultivation. A second cannabis project also on Santa Rosa Rd. has realized similar results with a demand factor of 0.6-0.7 AFY/Ac. occurring over the last 2 years of in-ground cultivation as well as cultivation in pots. Consequently, the project demand for Nojoqui Farm project has been reduced to 1 AFY/Ac. for the Nojoqui Farm Project. Like the above-mentioned cannabis grow for CCA, the Nojoqui Project is unique in that all of the cultivation here will be in-ground, with no above ground farming in pots and raised beds along

with artificial or manufactured soils. Through discussions with the former crop managers at Nojoqui, it appears as though the watering frequency for years for the organic row crops was every 4 days rather than every 2-3 days as is the case in the Lompoc and/or Santa Maria Valley farming areas. Consequently, it is critical to understand the predominate soil type at Nojoqui Farm and how it affects water usage.

A specific soil type known in the literature as the Sorrento Series is common to the Nojoqui Creek area and covers the surface of the Nojoqui Farm parcels. This soil horizon is described in the USDA's "Soil Survey of Northern Santa Barbara Area, California" as well drained, grayish-brown sandy loam to clayey loam. These soils occur extensively on floodplains and alluvial fans in several areas of Northern Santa Barbara County. This is key to estimating water demand for the project as this soil type consists of a significant content of fines, i.e. silt and clay (30-40 %), and will therefore retain a greater moisture percent than most area soils. This further supports the projected lower water demand for the Nojoqui Farm operations.

Assuming 21.55 acres of outdoor cultivation with hoops and 2.61 acres of outdoor cultivation without hoops, there is a total cultivation area of 24.19 acres. Therefore, the total estimated water demand for the Nojoqui Project is 24.2 AFY. By adding in the projected water consumption for the project landscaping of 0.2 AFY and the total domestic demand of 0.2 AFY, **the total project water demand is 24.6 AFY.** This projected demand is only 30% of the average annual water consumption (82 AFY) that occurred on the property in the last 10 years. If one compares this estimate to the average annual water demand for the organic farming operations from 2010 to 2016 the water estimate for Nojoqui cannabis is 23% of the total annual water (106 AFY) consumed by row crops.

WATERSHED FOR NOJOQUI CREEK DRAINAGE

The overall watershed area for the Nojoqui Creek drainage is shown in Figure 9. The area is quite large for a small basin comprising over 20 square miles. Comparing this drainage area to those listed in the USGS Water Supply Paper 1107 (Upson et. al.), the Nojoqui Creek drainage lies between the Jameson Lake (18 sq. mi's) and Gibraltar Dam (219 sq. mi's) areas. However, due to its location near the ridgeline of the Santa Ynez Mountains above Santa Barbara, both Jameson Lake and the area of Nojoqui Creek normally experience higher rainfall amounts. Therefore, the runoff measurements at the Jameson location are more applicable. Consequently, the runoff attributed to the Nojoqui Creek drainage area is assumed to be approximately that of Jameson Lake or an average of 6080 AF annually.

Additionally, the geologic setting for the Nojoqui Creek area is similar to both Jameson and Gibraltar in that runoff occurs over predominately older rocks and sediments of the Cretaceous Jalama Formation up through the Late Miocene Monterey Formation. This results in a greater percentage of total rainfall and runoff occupying the creek, streams and riverbeds and their associated shallow alluvial sediments rather than infiltrating into any available deeper groundwater aquifers, as is the case with the Paso Robles and Careaga Formation in central and northern Santa Barbara County. In addition, this condition of less permeable, older rocks underlying the watershed does lend itself to greater evaporation. Consequently, it is assumed that at least 30% of the total runoff for the Nojoqui Creek drainage is lost to evaporation, 40% is attributed to creek and stream surface flow that continues to the north into the Santa Ynez River Drainage Basin, and 30% is directed into water storage within alluvial sediments or aquifers lying under the Nojoqui Creek drainage area.

CONCLUSIONS

1. There is an existing water delivery system and Main Well that has been serving the Nojoqui Farm properties for over 50 years without any significant impacts to nearby Nojoqui Creek.

2. The Nojoqui Main Well was drilled and completed in December of 1964 for the sole benefit of the Nojoqui Property. The existing water system consists of separate components, one for domestic service and the other for agricultural service.

3. The Main Well is producing groundwater from Recent alluvial sediments as well as older permeable sediments of the Sacate/Gaviota Formation.

4. A pump test on the Main Well produced at a rate of 100 gpm with no detected impacts to the surface waters of Nojoqui Creek 130 feet away. There is significant evidence that confirms that there is minimal influence by the pumping of the Main Well on the surface waters of the creek, including a confining clay layer, differing water chemistries between the surface water and the subsurface water, and differing static levels. In addition, no significant changes occurred in the static levels of two additional wells that were monitored during the testing.

5. The Nojoqui Main Well does not meet the requirements for subterranean flow as determined by the State Water Resources Board in the four-part Garrapata standards; lacking impermeable beds and banks and the subsurface water is not flowing in the channel.

6. The historic water demand for the prior organic farming operations at the Nojoqui parcels (Nojoqui Property) from 2010 through 2016 was 106 AFY; the 10 year average was 82 AFY.

7. The estimated water demand for the Nojoqui Farm cannabis operation is 24.1 AFY. This represents a reduction in water consumption of 75% relative to the historical water demand of the organic farming operation.

8. The productive capacity of the Main Well (150-200 gpm) and the two secondary wells (40-50 gpm) will provide a more than adequate supply of water to meet the water demand of 24.6 AFY for the Nojoqui Project. In fact, the capacity of the Main Well alone is sufficient to meet the project water demand. This assumes two crops per year and a total growing season of 150 days.

It is important to note that the Nojoqui parcels are not located within the Santa Ynez River Basin (3.5 miles to the north) and are not within any State recognized groundwater basin. Therefore, there isn't a reason to apply the County's Water Thresholds. Additionally, the overall project demand is 70-75% lower than the historical averages for the Nojoqui Property.

This report was prepared by Katherman Exploration Co., LLC

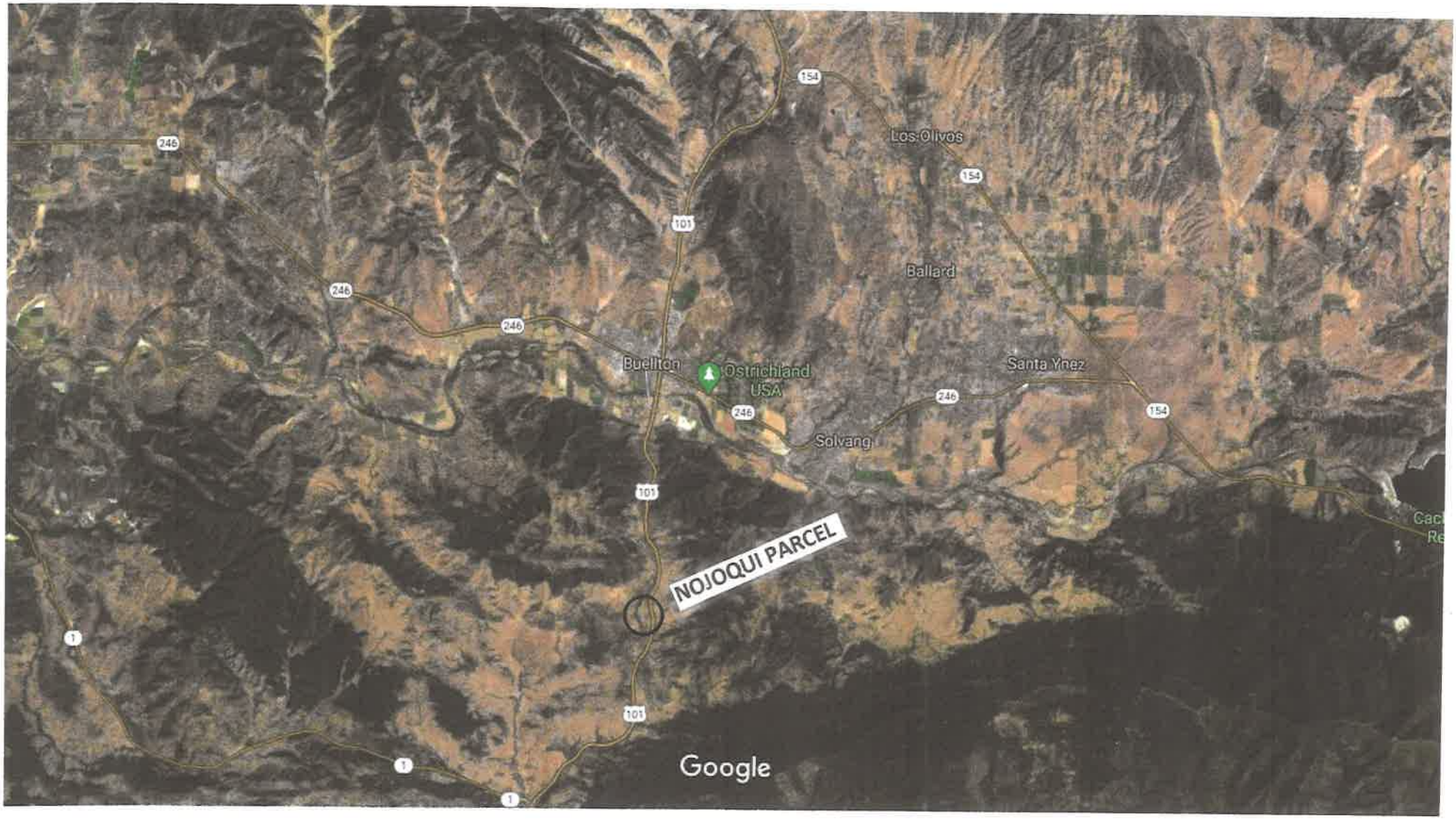
Charles E. Katherman Date 3/15/2022

Charles E. Katherman
CA Prof. Geologist #4069

NOJOQUI REPORT

FIGURES

Santa Barbara



Imagery ©2021 TerraMetrics, Map data ©2021 2 mi

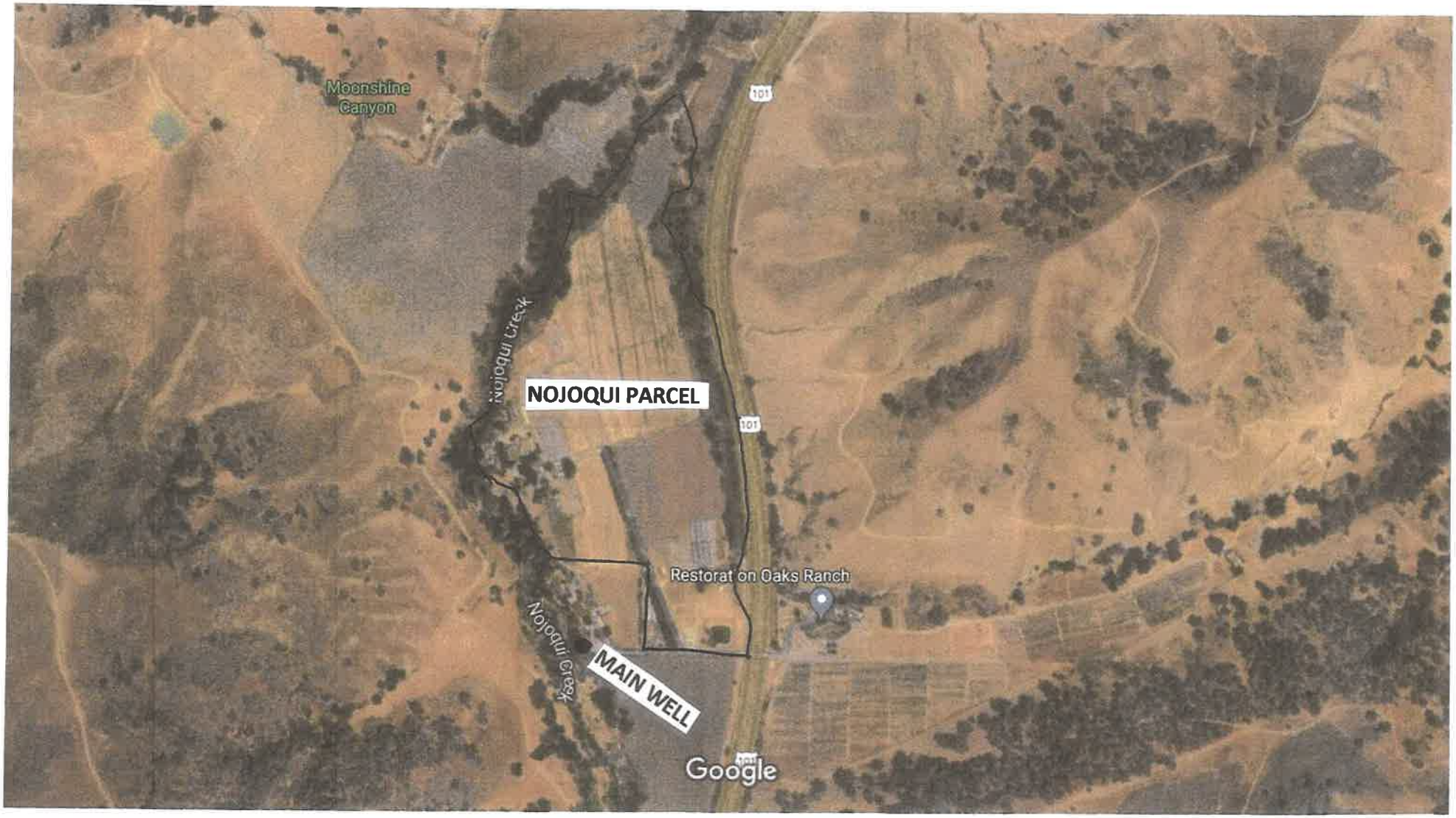
FIGURE 1A
LOCATION MAP

Google Maps Santa Barbara

Imagery ©2021 Data CSUMB SFML, CA OPC, Landsat / Copernicus, Maxar Technologies, USDA Farm Service Agency, Map data ©2021 2000 ft

FIGURE 1B
LOCATION MAP

Google Maps Santa Barbara



Imagery ©2021 Maxar Technologies, USDA Farm Service Agency, Map data ©2021 500 ft

FIGURE 2
AERIAL VIEW OF PARCEL

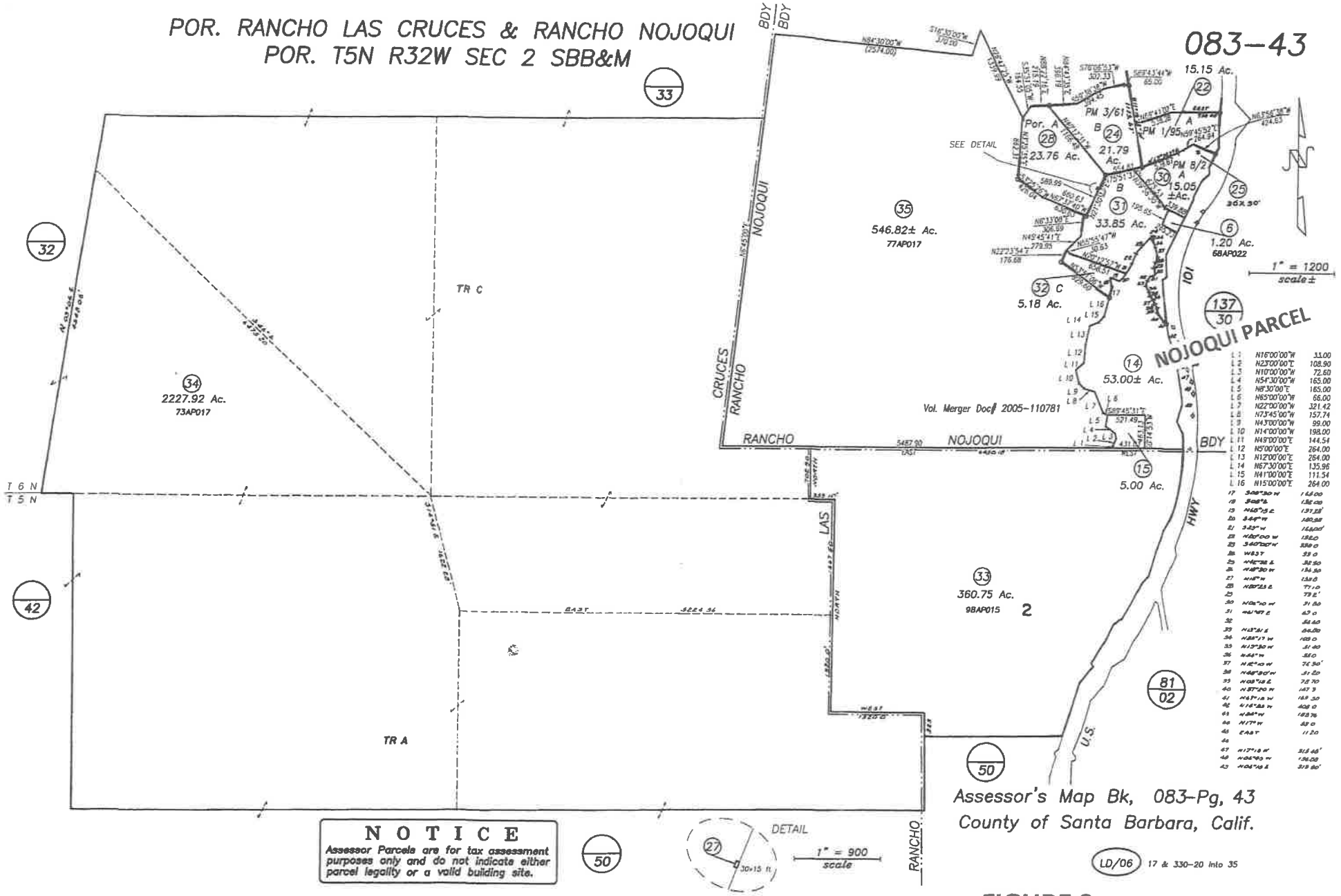


FIGURE 3
ASSESSOR PARCEL MAP

FIGURE 4
TOPOGRAPHY MAP

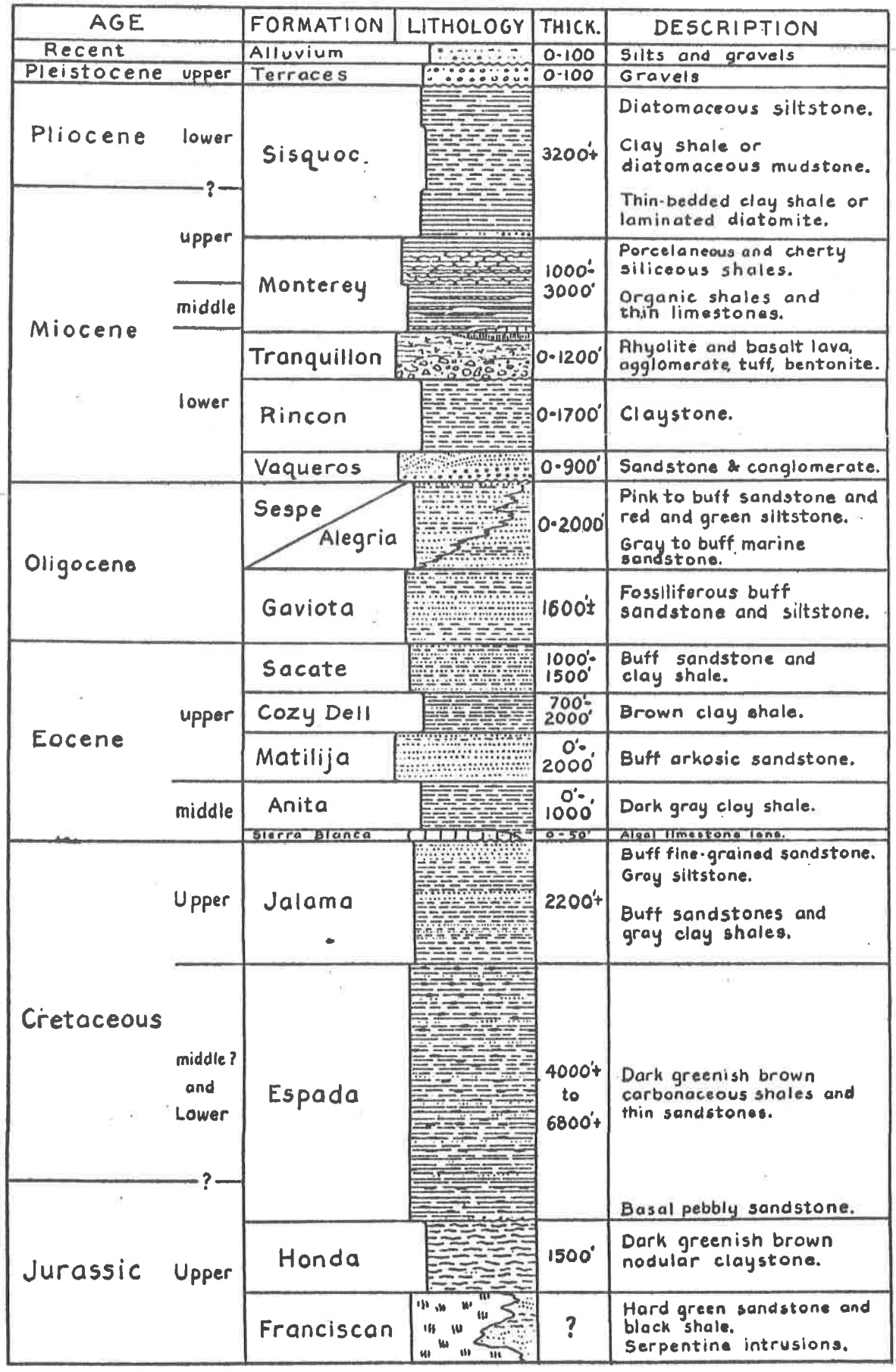


FIGURE 5 Stratigraphic column, western Santa Ynez Mountains.

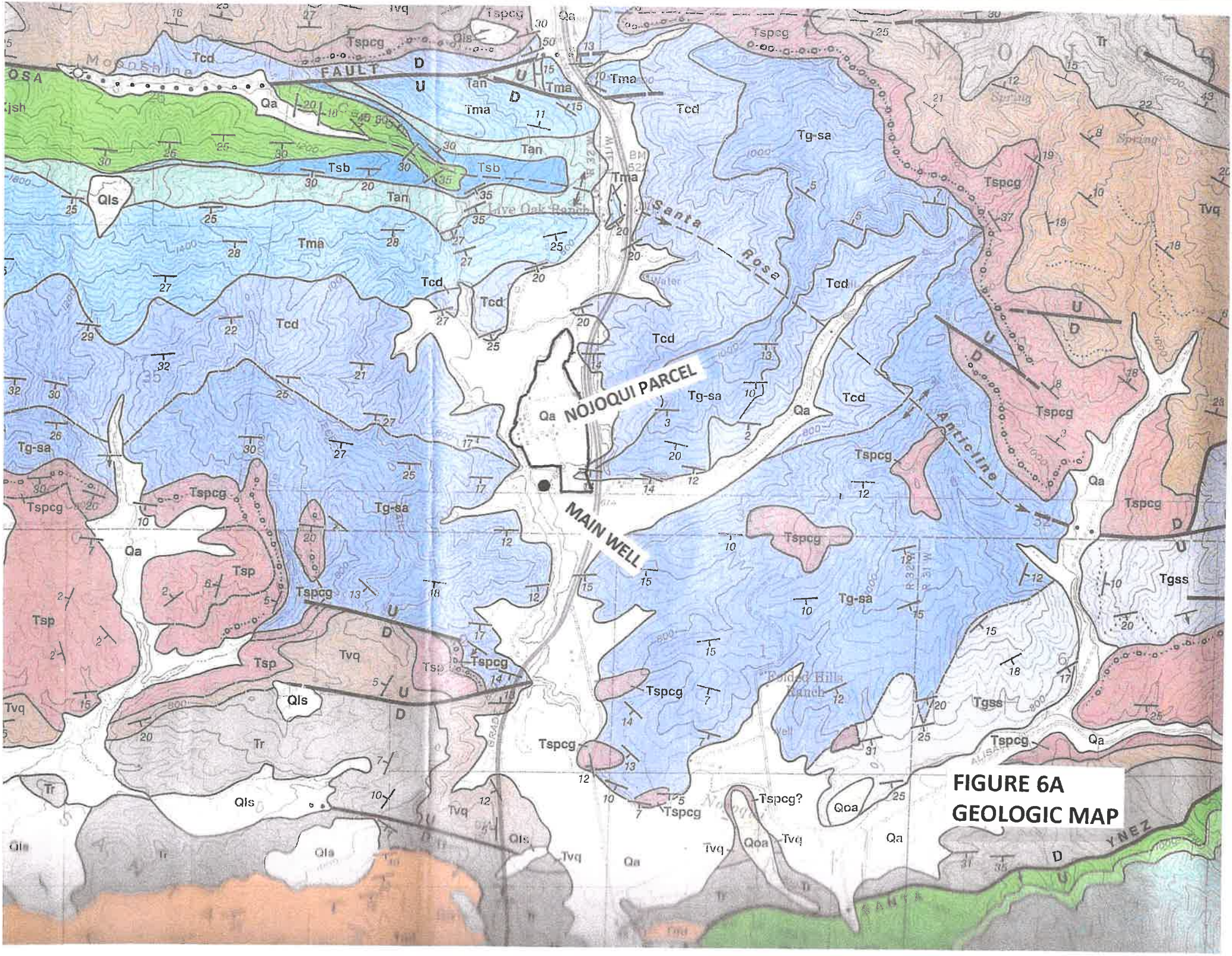


FIGURE 6A
GEOLOGIC MAP

SOLVANG AND GAVIOTA QUADRANGLES
LEGEND

★ UNITS PRESENT ONLY NORTH OF SANTA YNEZ FAULT
♦ UNITS PRESENT ONLY SOUTH OF SANTA YNEZ FAULT

QUATERNARY

Holocene

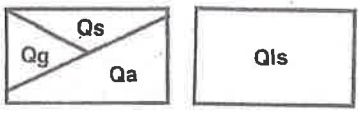
?

Pleistocene

?

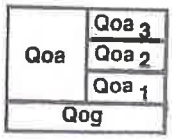
Pliocene

Miocene



SURFICIAL SEDIMENTS

Qs *beach sand deposits*
Qg *stream channel deposits of gravel, sand and silt*
Qa *valley and floodplain deposits of silt, sand and gravel*
Qls *landslide debris*

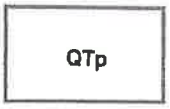


OLDER DISSECTED SURFICIAL SEDIMENTS

remnants of weakly consolidated stream terrace and alluvial fan deposits of silt, sand and gravel; local unconformities at base

Qoa *undivided former terrace remnants*
Qog *cobble-boulder fan gravel and fanglomerate deposits composed largely of sandstone detritus*
★ **Qoa_3** *lowest, youngest terrace remnants*
★ **Qoa_2** *intermediate terrace remnants*
★ **Qoa_1** *highest, oldest terrace remnants*

UNCONFORMITY



★ PASO ROBLES FORMATION

nonmarine; latest Pliocene to early Pleistocene age

QTp *weakly consolidated, light greenish-gray to reddish alluvial conglomerate, sand, and clay; conglomerate composed largely of Monterey Shale detritus*

★ CAREAGA SANDSTONE

shallow marine regressive; late Pliocene age

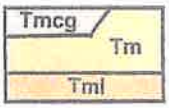
Tca *friable, massive, grayish-yellow, locally pebbly sandstone*

UNCONFORMITY

SISQUOC SHALE

marine; late Miocene age

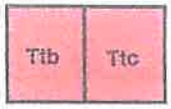
Tsq *north of Santa Ynez fault: soft white impure diatomite and diatomaceous shale; south of Santa Ynez fault: exposed offshore only, southwest of Gaviota Beach area; Delmontian-Mohnian Stage*



MONTEREY SHALE

marine; early to late Miocene age

Tmcg *conglomerate-breccia of siliceous and cherty shale detritus in tar-soaked sandstone matrix, west of Gaviota Beach*
Tm *upper shale unit: white-weathering, thin-bedded, hard, brittle siliceous shale, locally cherty; Mohnian Stage*
Tml *lower shale unit: white-weathering, soft, punky, fissile to platy, semi-siliceous shale, containing thin, gray-white calcareous strata; Luisian-Relizian Stages*



★ TRANQUILLON VOLCANIC FORMATION

marine(?); early Miocene age

Ttb *west of Buellton: brown-weathering black basaltic flow(?) breccia*
Ttc *south of Solvang: weathered, hard brown tuff breccia and bentonitic sandstone in part calcareous, and gray-white algal limestone; uppermost Saucesian Stage*

FIGURE 6B
LEGEND FOR GEOLOGY MAP

TERTIARY

Oligocene

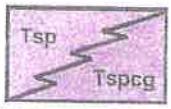
?

?

UNCONFORMITY

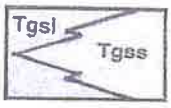
RINCON SHALE
marine; early Miocene age
Tr *poorly bedded gray clay shale or claystone; Saucesian and upper Zemorrian Stages*

VAQUEROS SANDSTONE
shallow marine transgressive; early Miocene age
Tvq *north of Santa Ynez fault: greenish-tan sandstone and interbedded greenish siltstone, with local calcareous lenses; south of Santa Ynez fault: light gray calcareous sandstone*
★**Tvqcg** *greenish-brown sandstone and pebble conglomerate composed mostly of Franciscan detritus*



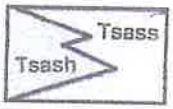
SESPE FORMATION
nonmarine; predominantly Oligocene age
Tsp *gray to tan sandstone and green to red siltstone and claystone; basal part intertongues westward with Alegria Formation south of Santa Ynez fault*
★ **Tspcg** *greenish-gray to reddish conglomerate composed mostly of Franciscan and ultramafic (peridotite) detritus; unconformity at base*

♦ **ALEGRIA FORMATION**
shallow marine regressive; Oligocene age
Ta *tan, arkosic sandstone and greenish-gray siltstone, locally fossiliferous; intertongues eastward into lowest part of Sespe Formation; lower Zemorrian and Refugian Stage*



♦ **GAVIOTA FORMATION**
shallow marine regressive; early Oligocene age
Tgss *hard, thick bedded tan arkosic sandstone, locally fossiliferous, and minor gray siltstone; Refugian Stage*
Tgsl *gray concretionary siltstone and claystone*

♦ **GAVIOTA — SACATE FORMATIONS**
Tg-sa *Gaviota or Sacate Formations, undifferentiated*



♦ **SACATE FORMATION**
marine; late Eocene age
dark gray micaceous clay shale and siltstone interbedded with hard, light gray to tan arkosic sandstone; Narizian Stage
Tsass *predominantly sandstone* **Tsash** *predominantly shale*

Ec

MATILIJA (?) SANDSTONE
marine; middle to late Eocene age
Tma *hard, thick bedded, tan arkosic sandstone with thin partings of gray micaceous shale*

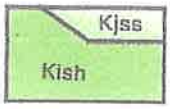
♦ ANITA SHALE
marine; early(?) to middle Eocene age
Tan *medium to dark gray micaceous clay shale with rare thin sandstone strata; includes a bed of red to green foraminiferal claystone ("Poppin Shale")*

★ SIERRA BLANCA LIMESTONE
shallow marine transgressive; early(?) Eocene age
Tsb *white algal limestone, commonly sandy; disconformity at base*

UNCONFORMITY

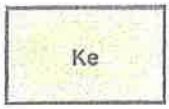
CRETACEOUS

Upper



♦ JALAMA (?) FORMATION
marine; late Cretaceous age
Kjss *hard, tan arkosic sandstone with thin partings of dark gray micaceous shale*
Kjsh *hard but fractured dark gray micaceous shale; rare thin hard strata of sandstone, and conglomerate of black chert pebbles*

Lower



★ ESPADA FORMATION
marine; late Jurassic (?) to early and middle (?) Cretaceous age
Ke *dark gray, hard but fractured micaceous shale with thin interbeds of hard, olive-gray arkosic sandstone, minor pebble conglomerate, and thin, dark gray carbonate strata*

SYMBOLS

not all symbols present on each map

FORMATION CONTACT *dashed where inferred or indefinite*

MEMBER CONTACT

CONTACT BETWEEN SURFICIAL SEDIMENTS
located approximately in places

FAULT

dashed where indefinite or inferred, dotted where concealed, queried where existence doubtful. Parallel arrows indicate inferred relative lateral movement. Relative vertical movement shown by U/D (U = upthrown side D = downthrown side). Short arrow indicates dip of fault plane.

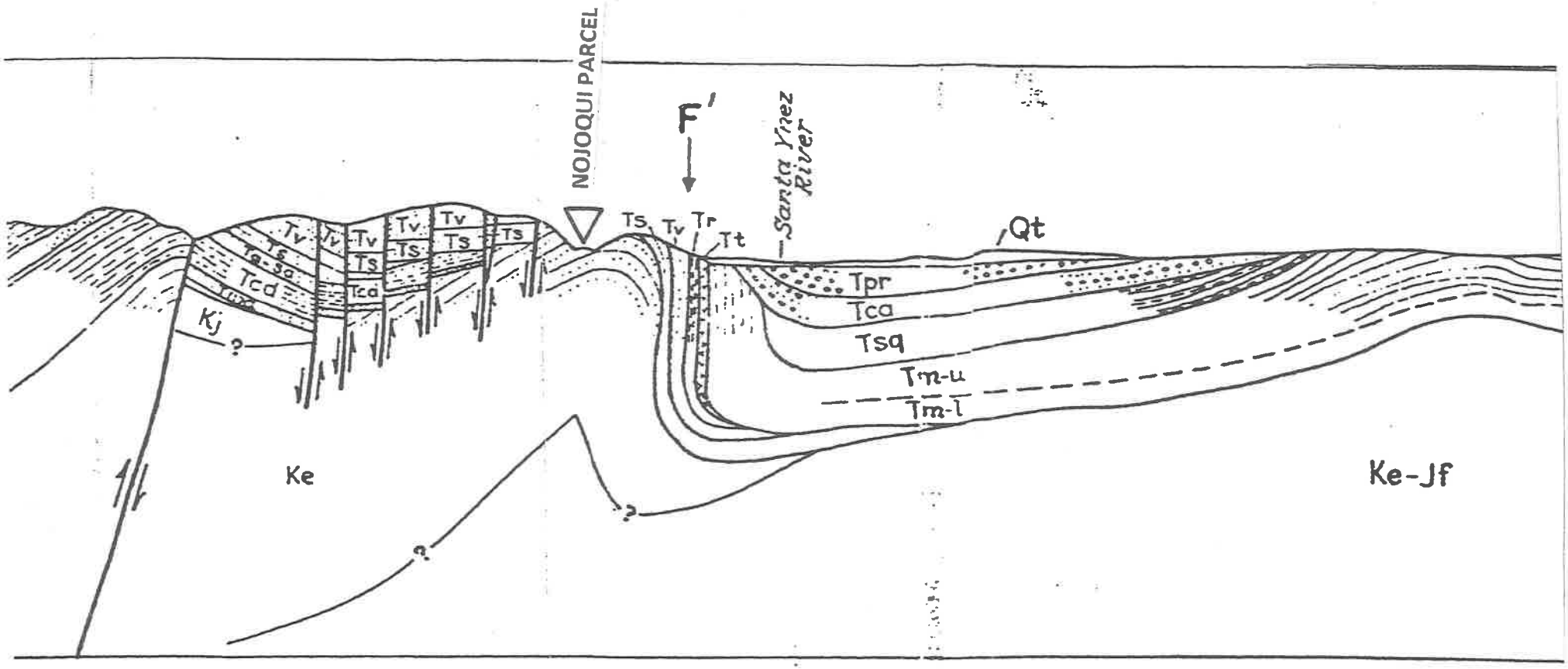


FIGURE 7
AREA CROSS SECTION

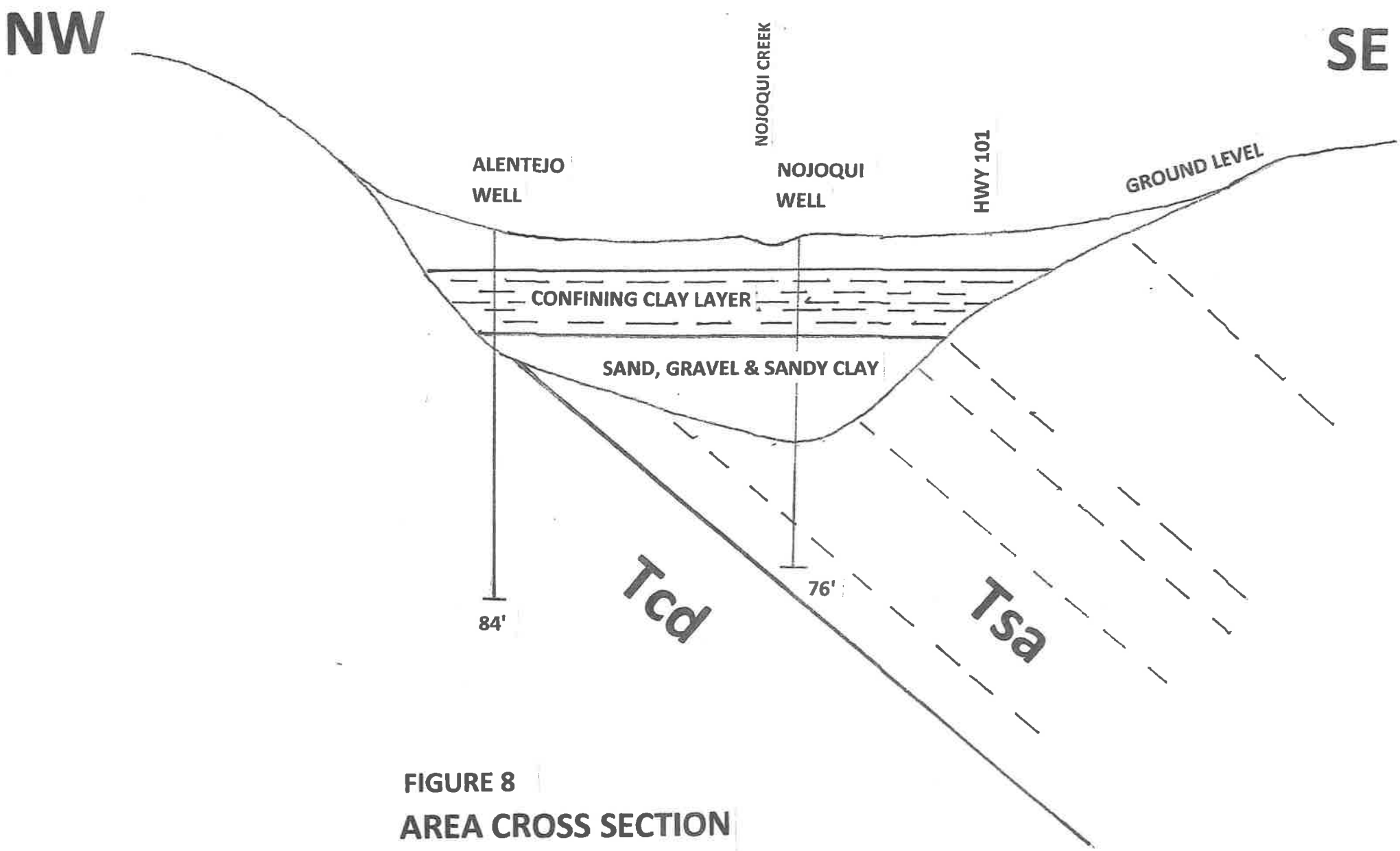


FIGURE 8

AREA CROSS SECTION

HORIZ SCALE: 1'=100'

VERT SCALE: 1"=30'

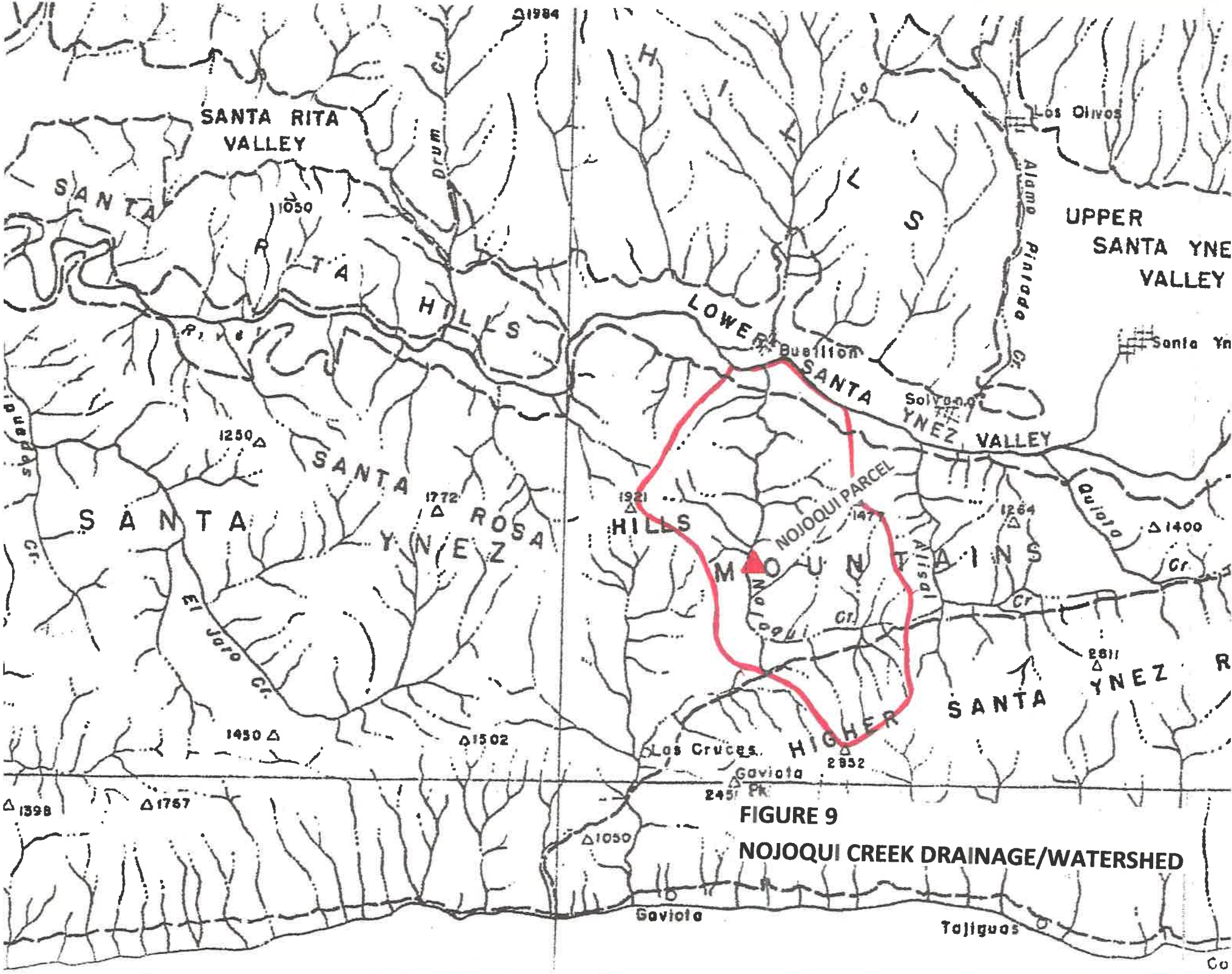


FIGURE 9

NOJOQUI CREEK DRAINAGE/WATERSHED

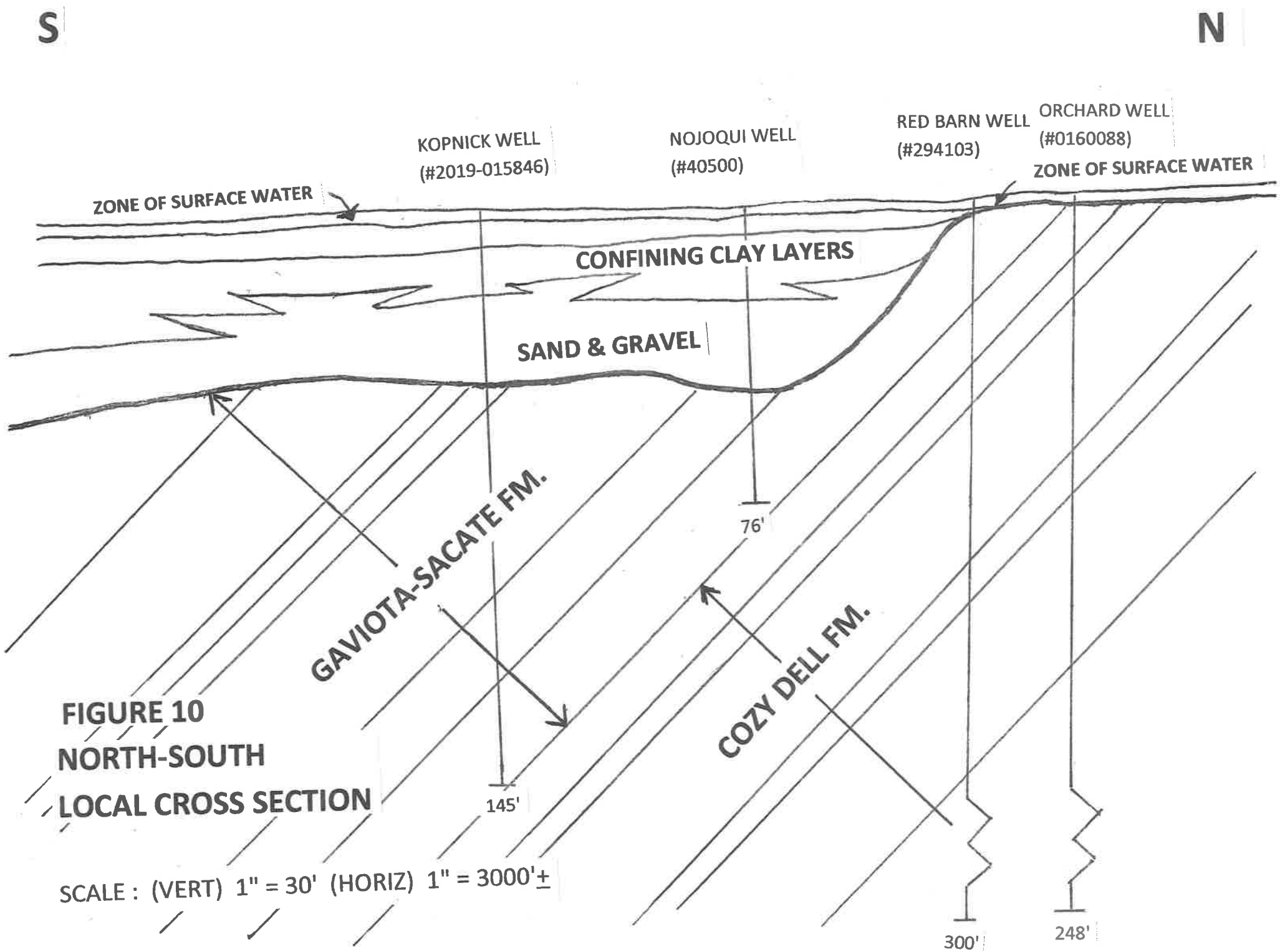


FIGURE 10
NORTH-SOUTH
LOCAL CROSS SECTION

SCALE : (VERT) 1" = 30' (HORIZ) 1" = 3000'±

NOJOQUI REPORT

APPENDIX

GRANT DEEDS

RECORDING REQUESTED BY

AND WHEN RECORDED MAIL TO

Name E. D. Gilbert
Address Box 88
City & State Calabasas, Cal

Title Order No. 138155 Escrow No. 208

54827

RECORDED AT REQUEST OF [illegible]

BOOK 2085 PAGE 942

BOOK 2085 PAGE 942
Dec 31 5 PM '64

OFFICIAL RECORDS
SANTA BARBARA COUNTY, CALIF.
[illegible]

FEE $3.60

INDEXED

SPACE ABOVE THIS LINE FOR RECORDER'S USE

Affix I.R.S. $[illegible] in This Space

K6709- 830 430-07

Grant Deed

THIS FORM FURNISHED BY SECURITY TITLE INSURANCE COMPANY

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

[illegible] E. FLANAGAN and ALISON M. FLANAGAN, his wife

hereby GRANT(S) to

EDWARD [illegible] [illegible] and [illegible] [illegible], his wife, as joint tenants

A part of the Rancho Nojoqui, in the County of Santa Barbara, State of California, as granted by the United States of America to Raymundo Carrillo, by Patent dated September 12, 1869, and recorded in Book "A" at Page 779, et seq., of Patents, in the office of the County Recorder of said County, and particularly described as follows:

Beginning at a point in Line No. 9 of the Final Survey of said Rancho Nojoqui, at the corner common to Section 31, Township 6 North, Range 31 West, S. B. & M., and Section 36, Township 6 North, Range 32 West, S. B. & M., from which point of beginning the corner common to Section 31, Township 6 North, Range 31 West, S. B. & M., and Section 36, Township 6 North, Range 32 West, S. B. & M., in the Township line between Township 6 North and Township 5 North bears South 731.5[illegible] feet distant, and from which last described point the corner common to Sections 1 and 2, Township 5 North, Range 32 West, S. B. & M., bears East 392.70 feet distant; thence from said point of beginning, 1st, East 75.58 feet along said Line No. 9 of the Final survey of said Rancho Nojoqui and along the South line of said Section 31, Township 6 North, Range 31 West, S. B. & M., to a point in the Westerly line of a certain county road; thence along same, 2nd, North 1°30' West 1118.04 feet to a point in the center line of a gulch near the West side of a bridge; thence 3rd, East 11.22 feet to a point in the center line of said county road; thence along same, 4th, North 37° West 99 feet to a point at an angle in the center line of said county road; thence 5th, North 35°03' West 105.30 feet to a point at another angle in said county road; thence 6th, North 33°35' West 400 feet to a point; thence leaving the center line of said County road, 7th, North 57°15' West at 156.50 feet, a point in the center line of a deep gulch at the most Southerly corner of that certain parcel of land as particularly described in the Deed to Eduardo de la Cuesta to E. S. Cordero, dated March 13, 19[illegible] and recorded in Book 100 at Page 7[illegible], et seq., of Deeds, in the office of the County Recorder of said County, 169.50 feet to a point; thence along the Westerly line of said parcel of land, as described in said Deed to Eduardo de la Cuesta to E. S. Cordero, by the following 16 courses and distances: 8th, North 37°30' West 10[illegible].[illegible] feet to a point; thence 9th, North 3°15' East 78.70 feet to a point; thence 10th, North 46°30' West 51.20 feet to a point; thence 11th, North 12°10' West 75.30 feet to a point; thence 12th, North 5[illegible]° West 56 feet to a point; thence 13th, North 19°70' West 51.40 feet to a point; thence 14th, North 15°17' East 107 feet to a point; thence 15th, North 13°51' East 64.60 feet to a point; thence 16th, North 33°55' East 56.[illegible] feet to a point; thence 17th, North 6[illegible]°4[illegible]' East 69 feet to a point; thence 18th, North [illegible]°10' West [illegible].[illegible] feet to a point; thence 19th, North 33°45' East 73.[illegible] feet to a point; thence 20th, North 20°29' West 77 feet to a point; thence 21st, North 15° West 153.80 feet to a point; thence 22nd, North 19°30' West 1[illegible].50 feet to a point; thence 23rd, North 42°30' East 38.50 feet to the confluence of said deep gulch and that certain creek locally known as and called Nojoqui Creek, from said point of confluence two willow trees marked "[illegible]," bears North 6[illegible]°[illegible]' West 12.90 feet distant, and North 4[illegible]°30' West 32.50 feet distant, respectively; thence up the center line of said Nojoqui Creek, following its meanders by the following [illegible] courses and distances: 24th, East 33 feet to a point; thence 25th, South 40° West 3[illegible] feet to a point; thence 26th, South 10° West 1[illegible] feet to a point; thence 27th, South 39° West 1[illegible].[illegible] to a point; thence 28th, South 54° West 140.58 feet to a point; thence 29th, North 68°30' West 137.[illegible] feet to a point; thence 30th, South 8° East 130 feet to a point; thence 31st, South 6°30' West 135 feet to a point; thence 32nd, South 13° West 264.00 feet to a point; thence 33rd, South 41° West 111.56 feet to a point; thence 34th, South 67°30' East 135.9[illegible] feet to a point; thence 35th, South 12° West 104 feet to a point; thence 36th, South 5° West 264 feet to a point; thence 37th, South 46° West 144.5[illegible] feet to a point; thence 38th, South 14° East 190 feet to a point; thence 39th, South 43° East 99 feet to a point; thence 40th, South 73°45' East 157.74 feet to a point; thence 41st, South 12° East 321.42 feet to a point; thence 42nd, South 65° East 56 feet to a point; thence 43rd, South 8°[illegible]' West 165 feet to a point; thence 44th, South ...

to a point; thence 46th, South 23° West 108.90 feet to a point, thence 47th, South 20° East 33 feet to a point in said line No. 9 of the final survey of said Rancho Nojoqui; thence along same, 48th, East 962.28 feet to the point of beginning.

EXCEPTING therefrom so much thereof as has been conveyed to the State of California for highway purposes, including the portion conveyed by the Deed dated April 8, 1954, and recorded May 24, 1955 as Instrument No. 9257, in Book 1316 at Page 286 of Official Records.

ALSO EXCEPTING therefrom 1/2 of all oil, gas or other hydrocarbon substances in, under or upon said land, as reserved in the Deed from Sylvia C. McMartin, also known as Cecelia McMartin and Sylvia McMartin, Narcelus Clinton, Josephallen Manes, Cecelia Mouhleau and Mary Lois Mouhleau, recorded May 1st, 1951, as Instrument No. 7747, in Book 991 at Page 288 of Official Records.

Excepting and reserving unto the grantors herein, for the period of their lives plus twenty-one years, an undivided one-half interest in and to all oil, gas, petroleum and other hydrocarbon substances, minerals and water in, under or recoverable from the portion of subsurface of the above described land lying below a plane parallel to and 500 feet vertically below the surface of said land, without, however, the right to enter upon the surface of said land or any portion thereof lying above a plane parallel to and 500 feet vertically below the surface of said land.

Also Excepting Therefrom that portion thereof described as follows:

Beginning at Southwest corner of Parcel One above described parcel, being a point on line No. 9 of said Rancho Nojoqui; thence, along the west line of said parcel the following courses and distances: North 16° West, 33 feet; thence North 23° East, 108.90 feet; thence North 10° West 72.60 feet; thence North 54°30' West, 165 feet, thence North 8°30' East 165 feet; thence leaving said Westerly line South 89° 45' 31" East, 521.49 feet to a point from which said line No. 9 of Rancho Nojoqui bears South 0° 18'53" West, 463.13 feet; thence South 0°18'53" West, 463.13 feet to a point on said Line No. 9 from which the point of beginning bears West, 431.01 feet; thence along said Line No 9 West 431.01 feet to the point of beginning.

PARCEL TWO

An easement and right of way for water well sight purposes, pumping plant and incidentals thereto over, under, upon, and through the following described land: Beginning at the Southwest corner of Parcel one above described; thence along the Westerly line of said Parcel one North 16° West 33 feet; thence continuing along said Westerly line North 23° East, 28.83 feet; thence leaving said Westerly line North 85°34'45" East, 130.40 feet; thence South 3°01'45" West 66.50 feet to a point on said Line No. 9 from which the point of beginning bears West 99 feet; thence along said Line No. 9 West 99 feet to the point of beginning.

EXCEPTING AND RESERVING from PARCEL ONE above an easement for road, public utilities purposes, ingress and egress over, under, along and upon a strip of land 30 feet in width lying adjacent to and Northerly of the Northerly of said Parcel One, excepting that portion thereof lying within the lines of PARCEL TWO herein.

PARCEL THREE:

[redacted] An easement for water line purposes, repairs and maintence the same, over, under, upon and along a 10 foot strip of land described as follows commencing at the southwest corner of Parcel One herein described thence North 0°14'53" East 21.45 feet to the beginning of the center line of said 10 foot easement; thence south 89°37'36" west 35.72 feet; thence north 61°08 west 55.00 feet; thence south 35°07 west 40.50 feet; thence south 86°55' West 97.00 feet; thence North 50°47' West 83.55 feet to appoint on the east line of Parcel two here and above described said point being South 3°01'45" west 6.00 feet from the southeast corner of said Parcel two.

In Book 68 at Page 90 of Record of Surveys, appears a map of the herein described land.

Dated December 29th, 1964

Peter M. Flanagan

Alison R. Flanagan

STATE OF CALIFORNIA
COUNTY OF Santa Barbara } ss

On December 29th, 1964 before me, the undersigned, a Notary Public in and for said County and State personally appeared PETER M. FLANAGAN & ALISON R. FLANAGAN

known to me to be the person S whose name S are subscribed to the within instrument and acknowledged that THEY executed the same.

Notary Public

FOR NOTARY SEAL OR STAMP

ARTHUR D. PETERSON
NOTARY PUBLIC-CALIFORNIA
PRINCIPAL OFFICE IN
SANTA BARBARA

My Commission Expires Feb. 7, 1968

2017-0018910

Recorded
Official Records
County of
Santa Barbara
Joseph E. Holland
County Clerk Recorder

REC FEE 37.00

NA
04:08PM 20-Apr-2017 | Page 1 of 5

RECORDING REQUESTED BY AND
WHEN RECORDED MAIL TO:

Patricia Paulsen
Sunburst Church of Self Realization
PO Box 2008
Buellton CA 93427

MAIL TAX STATEMENTS TO:

Patricia Paulsen
Sunburst Church of Self Realization
PO Box 2008
Buellton CA 93427

CORPORATION GRANT DEED

A.P.N.: 083-430-014

The undersigned Grantor declares:

Document Transfer Tax $ N/A. **"This is a bonafide gift and the Grantor received nothing in return, Cal. Rev. & Tax Code § 11911."**
(X) computed on full value of property conveyed, or
( ) computed on full value less value of liens and encumbrances remaining at time of sale.
(X) Unincorporated area: Santa Barbara County, California

Jonathan King for New Frontiers Holdings
Signature of Declarant or Agent determining tax-Firm Name

FOR NO CONSIDERATION,

NEW FRONTIERS HOLDINGS, INC., a California Corporation, of 1984 Old Mission Drive A7, Solvang, CA 93463, Grantor, a corporation organized under the laws of the state of California, hereby GRANT(s) to

SUNBURST CHURCH OF SELF REALIZATION, a California nonprofit religious corporation, of 7200 Highway 1, Lompoc, CA 93436, Grantee, certain real property located in the County of Santa Barbara, State of California, as described on Exhibit A, attached hereto and incorporated herein by this reference.

IN WITNESS WHEREOF, Grantor has caused this instrument to be executed as of the 19th day of April, 2017.

NEW FRONTIERS HOLDINGS, INC.,
a California corporation

By: Jonathan King
Name (Print): Jonathan King
Its: President

EXHIBIT A

(Legal Description)

The land situated in the State of California, County of Santa Barbara, City of Buellton and is described as follows:

PARCEL ONE:

A part of the Rancho Nojoqui, in the County of Santa Barbara, State of California, as granted by the United States of America to Raymundo Carrillo, by patent dated September 11, 1869, and recorded in Book "A" at Page 779, et seq., of Patents, in the office of the County Recorder of said County, and particularly described as follows:

Beginning at a point in Line No. 9 of the Final Survey of said Rancho Nojoqui, at the corner common to Section 31, Township 6 North, Range 31 West, S. B. & M., and Section 36, Township 6 North, Range 32 West, S. B. & M., from which point of beginning the corner common to Section 31, Township 6 North, Range 31 West, S. B. & M., and Section 36, Township 6 North, Range 32 West, S. B. & M., in the township line between Township 6 North and Township 5 North bears South 701.58 feet distant, and from which last described point the corner common to Sections 1 and 2, Township 5 North, Range 32 West, S. B. & M., bears East 392.70 feet distant; thence from said point of beginning, 1st, East 76.58 feet along said Line No. 9 of the Final Survey of said Rancho Nojoqui and along the South line of said Section 31, Township 6 North, Range 31 West, S. B. & M., to a point in the Westerly line of a certain county road; thence along same, 2nd, North 1°30' West 1118.04 feet to a point in the center line of a gulch near the West side of a bridge; thence 3rd, East 11.22 feet to a point in the center line of said county road; thence along same, 4th, North 17° West 59 feet to a point at an angle in the center line of said county road; thence 5th, North 35°03' West 195.50 feet to a point at another angle in said county road; thence 6th, North 14°35' West 408 feet to a point; thence leaving the center line of said county road, 7th, North 67°15' West at 156.50 feet, a point in the center line of a deep gulch at the most Southerly corner of that certain parcel of land as particularly described in the deed to Edwardo De La Cuesta to E. S. Cordero, dated March 10, 1904 and recorded in Book 100 at Page 72, et seq., of Deeds, in the office of the County Recorder of said County, 169.50 feet to a point; thence along the Westerly line of said parcel of land, as described in said deed to Edwardo De La Cuesta to E. S. Cordero, by the following 16 courses and distances: 8th, North 37°20' West 147.30 feet to a point; thence 9th, North 3°15' East 78.70 feet to a point; thence 10th, North 48°30' West 51.20 feet to a point; thence 11th, North 12°10' West 76.30 feet to a point; thence 12th, North 54° West 55 feet to a point; thence 13th, North 19°30' West 51.40 feet to a point; thence 14th, North 25°17' West 109 feet to a point; thence 15th, North 13°51' East 84.80 feet to a point; thence 16th, North 33°55' East 56.60 feet to a point; thence 17th, North 61°47' East 69 feet to a point; thence 18th, North 6°10' West 91.80 feet to a point; thence 19th, North 13°45' East 73.20 feet to a point; thence 20th, North 20°25' East 77 feet to a point; thence 21st, North 15° West 153.80 feet to a point; thence 22nd, North 18°30' West 136.50 feet to a point; thence 23rd, North 42°30' East 32.50 feet to the confluence of said deep gulch and that certain creek locally known as and called Nojoqui Creek, from said point of confluence, two willow trees marked "F. B. T." bears North 62°45' West 12.50

feet distant, and North 42°30' East 32.50 feet distant, respectively; thence up the center line of said Nojoqui Creek, following its meanders by the following 23 courses and distances: 24th, West 33 feet to a point; thence 25th, South 40° West 330 feet to a point; thence 26th, South 10° West 132 feet to a point; thence 27th, South 29° West 165 feet to a point; thence 28th, South 44° West 140.58 feet to a point; thence 29th, North 68°30' West 137.28 feet to a point; thence 30th, South 8° East 132 feet to a point; thence 31st, South 8°30' West 165 feet to a point; thence 32nd, South 15° West 264.00 feet to a point; thence 33rd, South 41° West 111.54 feet to a point; thence 34th, South 67°30' West 135.96 feet to a point; thence 35th, South 12° West 264 feet to a point; thence 36th, South 5° West. 264 feet to a point; thence 37th, South 49° West 144.54 feet to a point; thence 38th, South 14° East 198 feet to a point; thence 39th, South 43° East 99 feet to a point; thence 40th, South 73°45' East 157.74 feet to a point; thence 41st, South 22° East 321.42 feet to a point; thence 42nd, South 65° East 66 feet to a point; thence 43rd, South 8°30' West 165 feet to a point; thence 44th, South 54° 30' East 165 feet to a point; thence 45th, South 10° East 72.60 feet to a point; thence 46th, South 23° West 108.90 feet to a point; thence 47th, South 15° East 33 feet to a point in said Course No. 9 of the Final Survey of said Rancho Nojoqui; thence along same, 48th, East 962.28 feet to the point of beginning.

EXCEPTING therefrom that portion thereof as has been conveyed to the State of California, for highway purposes, including the portion conveyed by the deed dated April 4, 1955 and recorded May 24, 1955, as instrument No. 9257 in Book 1316, at Page 226 of Official Records.

ALSO EXCEPTING therefrom that portion thereof described as follows:

Beginning at Southwest corner of Parcel One above described parcel, being a point on Line No. 9 of said Rancho Nojoqui; thence, along the West line of said parcel, the following courses and distances: North 16° West, 33 feet; thence North 23° East, 108.90 feet; thence North 10° West. 72.60 feet; thence North 54°30' West, 165 feet; thence North 8°30' East 165 feet; thence leaving said Westerly line South 89°45'31" East, 521.49 feet to a point from which said Line No. 9 of Rancho Nojoqui bears South 0°14'53" West, 463.13 feet; thence South 0°14'53" West, 463.13 feet to a point on said Line No. 9 from which the point of beginning bears West, 431.01 feet; thence along said Line No. 9 West 431.01 feet to the point of beginning.

ALSO EXCEPTING therefrom 1/2 of all oil, gas or other hydrocarbon substances in, under or upon said land, as reserved in the deed from Sylvia C. McMartin, also known as Cecelia McMartin and Sylvia McMartin, Veronica Clinton, Josephellen Hanse, Cecilia Rouchleau and Mary Lois Rouchleau, recorded May 18, 1951 as Instrument No. 7747 in Book 991 at Page 284 of Official Records.

ALSO EXCEPTING therefrom for the period of their lives plus twenty-one years, an undivided one-half interest in and to all oil, gas, petroleum and other hydrocarbon substances, minerals and water in, under or recoverable from the portion of subsurface of the above described land lying below a plane parallel to and 500 feet vertically below the surface of said land, without, however, the right to enter upon the surface of said land or any portion thereof, lying above a plane parallel to and 500 feet vertically below the surface of said land, as reserved by Peter M. Flanagan, et ux. ,in the deed recorded December 31, 1964 as Instrument No. 54827 in Book 2085, Page 942 of Official Records.

PARCEL TWO:

An easement and right of way for water well site purposes, pumping plant and incidentals thereto over, under, upon, and through the following described land: Beginning at the Southerly terminus of the 47th course of Parcel One hereinabove described; thence Northerly along said 47th course North 15° West 33 feet; thence continuing North 23° East 28.83 feet; thence North 85°34'45" East, 100.40 feet; thence South 3°01'45" West 66.50 feet to a point on said Course No. 9 from which the point of beginning bears West 99 feet; thence along said Course No. 9 West 99 feet to the point of beginning.

PARCEL THREE:

An easement for water line purposes, repairs and maintenance of the same, over, under, upon and along a 10 foot strip of land described as follows: Commencing at the Southerly terminus of the 47th course of Parcel One hereinabove described; thence North 0°14'53" East 21.45 feet to the beginning of the center line of said 10 foot easement; thence South 89°37'36" West 95.72 feet; thence North 61°08' West 55.00 feet; thence South 35°07' West 40.50 feet; thence South 86°55' West 97.00 feet; thence North 50°47' West 83.55 feet to a point on the East line of Parcel Two here and above described, said point being South 3°01'45" West 6.00 feet from the Northeast corner of said Parcel Two.

APN: 083-430-014

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Santa Barbara)

On April 19, 2017 before me, Lori A. Thompson, Notary public
(insert name and title of the officer)

personally appeared Jonathan Mark King,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

LORI A. THOMPSON
COMM. # 2111222
NOTARY PUBLIC-CALIFORNIA
SANTA BARBARA COUNTY
My Commission Expires MAY 12, 2019

Signature Lori A. Thompson (Seal)

NOJOQUI FARM/SUNBURST

WELL COMPLETION REPORT

QUADRUPLICATE

RETAIN THIS COPY

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In

No. 40500

State Well No.

Other Well No.

(1) OWNER:

Name E. D Gilbert

Address Box 68

Goleta, Calif.

(2) LOCATION OF WELL:

County Santa Barbara Owner's number, if any—

R. F. D. or Street No. Approximately 4 miles south of Hollister on Hwy 101, ½ mile north and ½ mile west of intersection of Hwy 101 & Fairview Ave.

(3) TYPE OF WORK (*check*):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (*check*):

Domestic ☒ Industrial ☐ Municipal ☐

Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐

Cable ☒

Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐

From	ft. to	ft.	Diam.	Gage or Wall
0	55	2	8	

Type and size of shoe or well ring

Describe joint Weld collar

If gravel packed

Diameter of Bore	from ft.	to ft.

Size of gravel:

(7) PERFORATIONS:

Type of perforator used Mill knife

Size of perforations 1/2 in., length, by 3/8 in.

From	ft. to	ft.	Perf. per row	Rows per ft.
44	48		6	2

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 22 ft.

Were any strata sealed against pollution? ☐ Yes ☒ No If yes, note depth of strata

From ft. to ft.

Method of Sealing

(9) WATER LEVELS:

Depth at which water was first found ft.

Standing level before perforating ft.

Standing level after perforating 30 ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: gal./min. with ft. draw down after hrs.

Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth 75 ft. Depth of completed well ft.

Formation: *Describe by color, character, size of material, and structure.*

0 ft. to	2 ft.	Black soil
2 "	25 "	Yellow clay
25 "	37 "	Sandy blue clay
37 "	39 "	Sandy blue clay and gravel
39 "	45 "	Sandy blue clay
45 "	49 "	Gravel, some blue clay
49 "	75 "	Blue analog some gravel

Work started 19 Completed December 1964

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Alexander Bros. (Person, firm, or corporation) (*Typed or printed*)

Address 415 East College Ave.

Lompoc, Calif.

[SIGNED] Robert M Alexander Well Driller

License No. 20647 Dated 12/2/64, 19

95819 2-54 80M QUIN ® SPO

DWR FORM NO. 246 (REV. 3-54)

NOJOQUI MAIN WELL

PUMP TEST RESULTS

Nojoqui Farms Water Well - AG well
Pump test 4/29/2020
Pump Depth - 46' Static Level - 12.5'

Time	Pumping Level (ft)	Rate (Gpm)	Well Behind House	Wishing Well	Remarks
10:10 AM	12.5'		32.1'	10.7'	Start of Test
10:15					
10:16	46'	250			
10:17	46'				down to pump
10:18	45.9'				reduce flow
10:19					beads are stuck
10:20	41.5'	130			
10:21					
10:22	39'				airline leaking
10:23					trying to valve back VFO
10:24	37'				
10:25	30'				valved back with gate valve
10:26	28'				
10:27	26'				
10:28	24'				
10:29		100			fixed airline?
10:30	20.7'		32.1'	10.7'	
10:32		100			
10:35	17.1'	83			
10:40					
10:45	17.1'	70			
10:50		70			
10:55	17.1'	60			
11:00	22.8'	83	32.1	10.7'	
11:15	24.1'	100			
11:25	25.2'	110			
11:35	"	105	32.1'		

Time	Pumping Level (ft)	Rate (Gpm)	Well Behind House	Wishing Well		Remarks
11:55	25.2'	110				
12:02 PM	"	114	32.1'	10.7'		valving back
12:10	21.7'	87.5				
12:20	"	95				
12:30	"	95				
12:45	"	96.6				airline off by 3.7'
1:00	22.8'	100	32.1'	10.7'		sounder unstuck
1:15		106				
1:30	22.8'	110				
1:45		106				
2:15	22.8'	106				end totalizer
2:45			32.1'	10.8'	<1"	
30 min. recovery						
2:16	14.3'		32.1'			Begin recovery
2:17	13.1'					
2:18	13.1'					
2:19	"					
2:20	"					
2:21	"					
2:22	"					
2:23	"					
2:24	13'					
2:25	13'					
2:30	13'					
2:35	12.8'					
2:45	12.6'					finished recovery

NOJOQUI FARM

WATER CONSUMPTION

2010-2020

2010 to 2016 Nojoqui Farms Water Use Summary

Year	Start	Finish	Months With Data	Gallons Pumped	Normalized To 12 mo's (AFY)
2010	1/6/2010	12/30/2010	12	37,431,600	114.9
2011	12/30/2010	1/2/2012	12	48,656,600	149.3
2012	1/2/2012	12/31/2012	12	39,429,000	121.0
2013	12/31/2012	6/26/2013	6	14,754,800	90.6
2015	12/31/2014	10/28/2015	10	24,774,100	91.2
2016	1/14/2016	12/22/2016	11	20,855,800	69.8

2010 1/6/2010 12/30/2010 12 32404600 99.4
2011 1/4/2011 1/2/2012 12 53683700 164.7 } ADJ. PARCELS 60-[redacted] ACRES 2.38 AFY
2012 1/2/2012 12/31/2012 12 39429000 121.0 }
2013 12/31/2012 6/26/2013 6 14754800 90.6
2014 MISSING 0 ?
2015 91.2 } 28 ACS 3.1 AF/AC
2016 69.8

636.7/6 = 106 AFY
~ 38 ACS
2.8 AFY

ACRES FARMED

2017 OAT HAY 20 ACS X 2.5 AFY = 50
2018 OAT HAY 20 ACS X " = 50
2019 NO CROP PLANTED
2020 HEMP 5 ACRES X ~~2.2~~ 1.8 AFY = ~~11~~ 9 AFY

10
~~20~~ YRS 747.7 AF/39 = 83 AFY

91.2
69.8
50.0
50.0
11
272.0/5 = 54.4 AFY

Nojoqui Farms Main Well
2010

		Running	Static		PSI	PSI	Feet	Totalizer					
Date	Time	Pump On	Pump Off	Totalizer	Head	Air Line	of water	Start	Finish	Gallons	Time	GPM	Notes
1/6/2010	11:00		off			11.9	27.5						
1/6/2010	12:00	55 min		3,208,900	57	8.4	19.4	3208900	3209800	900	3.68	245	Opened head to 54 psi
1/6/2010	13:50	2:50		3,236,600	54	6.9	15.9	6600	7500	900	3.7	243	Opened head to 52 psi
1/7/2010	15:55	on 1 hour		3,533,000	52	7	16.2	3000	4100	1100	4.27	258	
1/8/2010	8:00	on 3 hour		3,692,400	52.7	9.8	22.6	2400	3500	1100	4.41	249	Opened head to 50 psi
1/8/2010	13:30	on		3,736,800	49.5	6.5	15.0	6800	7800	1000	3.65	274	
1/12/2010	15:20	on		3,847,700	49	7.2	16.6	7700	8800	1100	3.99	276	
1/28/2010	11:45		off			11.2	25.9						Static after rains
4/13/2010	13:05		off	7,050,800		11.1	25.6						Static after rain
5/6/2010	11:50		off	7,859,650		11.4	26.3						
5/14/2010	8:30	on >1 hr		8,472,600	49.5	8.7	20.1	72600	73800	1200	4.38	274	On & off all night
5/14/2010	11:35	on >1 hr		8,510,100	46	7	16.2	10100	11600	1500	4.91	305	Throtle opened
6/22/2010	10:10	on		12,689,900	46	6.85	15.8	89900	91600	1700	5.56	306	Continuous on
7/5/2010	14:48	on		14,743,100	45	5.4	12.5	43100	44700	1600	5.31	301	Continuous on
8/4/2010	9:25	on		20,730,800	44.5	3.8	8.8	13500	15100	1600	6.16	260	Intermittant over 24 hours
8/13/2010	8:10	on		22,621,200	42	3.2	7.4	21200	22300	1100	4.9	224	Sucking air
8/13/2010	8:20	on		22,623,400	54	4	9.2	23400	24100	700	3.52	199	Throtled down
8/20/2010	12:00	on		23,987,200	50	1.5	3.5	87200	87700	500	2.567	195	Throttled down, sucking air
8/20/2010	12:05	on			55	1.6	3.7			0			Sounds ok
8/20/2010	3:20	on		24,024,700	54	0	0.0	4700	5900	1200	6.622	181	0 air line, Yikes
8/25/2010	9:50	on		24,871,600	57	3.8	8.8	1600	2500	900	4.93	183	
8/25/2010	13:55	on			56	0	0.0						Hot, pump, permanent on
8/26/2010	11:30	on			57	3	6.9						3 on--1 off
8/27/2010	12:20	on		25,344,300	56	2.1	4.9						
8/28/2010	2:15	off	off			5	11.6						
8/28/2010	3:20	on			57	1.8	4.2						
8/30/2010	2:15	on		25,934,700	57	2.3	5.3						After 15 min rest
9/1/2010	8:15	on		26,224,900	57.5	3.3	7.6	24900	29100	4200	22.62	186	Permanent on--morning
9/2/2010	8:30	on		26,476,600	56.5	3.8	8.8	76600	77200	600	3.32	181	Running continuous all night
9/2/2010	13:50	on			55	0	0.0						
9/3/2010	10:20	on			57	3.8	8.8						Just finished 15 min break
9/3/2010	11:45	on			55	0.3	0.7						
9/6/2010	11:50	on		27,091,300	57	4.2	9.7						Cool day, continuous on
9/6/2010	13:48	on			57	2.4	5.5						Cool day
9/7/2010	8:10	on		27,265,000	57.5	5.6	12.9	65000	65700	700	3.68	190	
9/7/2010	11:30	on			56	3.2	7.4						
9/8/2010	8:05	on			57.5	4.7	10.9						Didn't use pump, may be higher
9/15/2010	8:50	on		28,697,200	58.3	6.6	15.2	7200	8500	1300	6.96	187	
9/15/2010	11:40	on			57	3.75	8.7						
9/20/2010	11:05	on		29,278,000	59	6.6	15.2	8000	8600	600	3.1	194	Opened throttle valve slightly
9/20/2010	11:15	on			58			9900	10100	200	0.94	213	
9/20/2010	12:15	on			56.5	3.95	9.1	2900	3600	700	3.23	217	
9/23/2010	11:00	on			57.5	5.7	13.2						

Nojoqui Farms Main Well
2010

Date	Time	Running Pump On	Static Pump Off	Totalizer	PSI Head	PSI Air Line	Feet of water	Totalizer Start	Finish	Gallons	Time	GPM	Notes
9/27/2010	11:15	on			56.5	3.3	7.6						Hot!
10/5/2010	11:36	on		32,223,200	57	5	11.6	3200	3900	700	3.42	205	
10/12/2010	11:15	on		32,778,700	59	7.5	17.3	8700	9200	500	2.246	223	
10/12/2010	11:18	on			58			9500	9800	300	1.355	221	Opened throttle valve slightly
10/13/2010	11:30	on		33,021,000	58	6.4	14.8	1000	1600	600	2.65	226	
10/13/2010	11:35	on			57			1900	2300	400	1.68	238	Opened throttle valve slightly
10/15/2010	12:05	on		33,367,400	57.8	8.8	20.3	7400	8000	600	3	200	Valve closed?
10/15/2010	12:10	on			57			8500	8800	300	1.33	226	Opened valve a bit
11/15/2010	12:40	off	static	35,501,100	58	10.7	24.7						Pump came on after air line reading
11/15/2010	13:40	on		35,515,500	57.5	7.1	16.4	15500	16100	600	2.53	237	Opened valve a bit
11/16/2010	10:15	on		35,613,500	56.5	8.2	18.9	3500	4100	600	2.45	245	Opened valve a bit
11/16/2010		on			54.5	8.2	18.9	4600	4900	300	1.3	231	
12/21/2010	9:30	off		37,512,600									Opened valve one turn--no readings

2010 TOTAL 3240~~4600~~

34303700

Nojoqui Farms Main Well
2011

Date	Time	Running Pump On	Static Pump Off	Totalizer	PSI Head	PSI Air Line	Feet of water	Totalizer Start	Finish	Gallons	Time	GPM	Notes
1/4/2011	9:30	Off	Static	37,512,600		14.8	34.2						Water in the creek
1/17/2011	13:53	Off	Static	37,693,900		9	20.8			0			Air line seems low
1/17/2011	15:53	On		37,731,600	43.5	4	9.2	1600	2600	1000	3.027	330	
1/20/2011	12:35	On		38,070,800	43.5	5.5	12.7	800	2000	1200	3.6	333	
2/8/2011	14:15	On	Static	39,969,400	43	3.9	9.0	69400	70600	1200	3.7	324	Running for several hours
3/16/2011	15:15	Off	Static	41,646,100		9.6	22.2			0			
4/1/2011	8:30	Off	Static	42,282,700		13.5	31.2			0			Creek running well
4/22/2011	10:15	Off	Static	44,508,400			0.0			0			
4/25/2011	10:30	On		44,887,300	44	7.7	17.8	7300	8600	1300	4.002	325	Runnin 6 hours
4/27/2011	13:30	Off	Static	45,174,300		10.8	24.9						
5/2/2011	8:50	Off	Static	45,745,000			0.0			0			
6/2/2011	7:55	On		50,469,300	44	8.6	19.9	69300	70800	1500	4.662	322	Running 2 hours
6/3/2011	12:55	On		50,661,500	43.5	5.5	12.7	61500	64300	2800	8.704	322	Running 7 hours
6/23/2011	7:50	On		53,934,700	44	6.8	15.7	4800	6200	1400	4.346	322	Running several hours
7/4/2011	8:45	On		55,436,900	43	6.6	15.2	6900	8400	1500	4.621	325	
7/20/2011	13:00	On		59,682,000	43	4.6	10.6	82000	83200	1200	3.758	319	Running since early morning
8/3/2011	14:25	On		63,066,200	42	3.8	8.8	6200	7600	1400	4.38	320	
8/15/2011	12:00	On		65,816,000	43	4.6	10.6	6000	7000	1000	3.116	321	
8/24/2011	10:40	On		67,662,600	43.5	5.8	13.4	2600	3800	1200	3.76	319	
9/6/2011	10:50	On		70,446,800	43.5	5.9	13.6	6800	8200	1400	4.4	318	
9/21/2011	11:45	On		73,461,000	42.5	5.5	12.7	1000	2400	1400	4.35	322	
11/17/2011	10:30	Off	Static	82,271,700		12.4	28.6						
12/1/2011	9:45	Off	Static	83,357,300		13.4	31.0						
1/2/2012	10:30		Static	86,088,300		11.2	25.9						
							0.0						
12/30/2010				~~37,431,600~~			0.0						
							0.0						

2011 TOTAL 53683700

Nojoqui Farms Main Well
2012

		Running	Static		PSI	PSI	Feet	Totalizer					
Date	Time	Pump On	Pump Off	Totalizer	Head	Air Line	of water	Start	Finish	Gallons	Time	GPM	Notes
1/2/2012	10:30		Static	86,088,300		11.2	25.9						
2/9/2012	10:20		Static	89,289,550			0.0			0			
3/2/2012	3:45		Static	91,135,700		7.8	18.0			0			
3/6/2012	9:35	On		91,674,700	44	6.6	15.2	4700	6100	1400	4.37	320	Running 5 hours
3/19/2012	13:30	Off	Static	92,845,600		10.8	24.9			0			
3/19/2012	15:10	On		92,877,500	43	6.8	15.7	7500	8500	1000	2.99	334	Running 1:40 hours
3/19/2012	16:10	On		92,897,800	43	7.2	16.6	7800	8800	1000	2.98	336	Running 2:40 hours
	Acid treatemt of the well												
4/12/2012	9:15	Off	Static	94,329,200		12.7	29.3			0			Rain
5/9/2012	8:45	Off	Static	96,638,300		11.4	26.3			0			
6/1/2012	2:05	On		100,053,400	42	2.4	5.5	3400	4700	1300	4.21	309	Running 9 hours
							0.0			0			Throttled to 44 #
6/8/2012	11:25	On		101,298,000	44.5	4.2	9.7	8000	9400	1400	4.78	293	Running 3.5 hours
6/22/2012	1:05	Off	Static	103,472,000			0.0			0			
7/4/2012	11:45	On		105,470,200	44.5	3.4	7.9	70200	71300	1100	4.02	274	Running 14 hours
7/14/2012	8:35	On		107,494,300	42	2.8	6.5	4300	5100	800	4.26	188	Running 23 hours / day
7/14/2012	8:35				47	3.0	6.9			0			Throttled
7/16/2012	12:25	on		107,857,900	48	0.5	1.2	7900	8600	700	3.44	203	Throttled a bit more
7/24/2012	11:45	on		109,293,700	48	1.6	3.7	3700	4400	700	3.56	197	Sucking air-throttled to 50 #
7/27/2012	9:50	on		109,932,600	bouncing	2.2	5.1	2600	3800	1200	6.48	185	Sucking air-throttled to 52 #
7/31/2012	1:35	off	Static	110,528,400		3.2	7.4			0			
8/1/2012	9:00	On		110,550,500		5.6	12.9	500	1000	500	3.7	135	Off all night
8/1/2012	12:00	On		110,174,200	63.5	3.9	9.0	4200	4700	500	3.62	138	3 hour run-pump off at 12:00
8/1/2012	20:00	On			64	4.5	10.4						
8/2/2012	7:30	On		110,698,800	64	7.4	17.1	8800	9200	400	2.84	141	
8/2/2012	4:20	On			62.5	3.2	7.4						
8/2/2012	20:05	On			63.5	5.7	13.2						
8/3/2012	6:45	On			63.5	7.2	16.6						
8/3/2012	11:40	On		110,899,100	62	4.2	9.7	9100	9600	500	3.59	139	
8/3/2012	19:45	On			63.5	5.8	13.4			0			
8/4/2012	7:55	On		111,031,500	64	6.8	15.7	1500	1900	400	2.97	135	
8/7/2012	8:20	On		111,517,400	62	6.2	14.3	7400	7800	400	3.08	130	
8/7/2012	11:55	On			62	1.4	3.2						
8/7/2012	3:35	On			62	3.0	6.9						
8/8/2012	11:50	On		111,707,200	61	1.4	3.2						
8/9/2012	12:00	On		11,849,000	61	1.9	4.4						
8/10/2012	6:55	On		111,971,400	63	6.7	15.5	1400	1800	400	2.98	134	
8/10/2012	19:50	On			62	3.8	8.8						
8/13/2012	11:45	On		112,499,300	60.5	0.4	0.9	9300	9700	400	2.99	134	
8/14/2012	11:55	On		112,661,100	61	1.3	3.0	1100	1500	400	3	133	
8/17/2012	11:50	On		113,137,300	60.5	1.2	2.8	7300	7700	400	3.04	132	
8/20/2012	11:45	On		113,604,500	59	0	0.0	4500	4800	300	2.51	120	Throttled to 62#
8/20/2012	19:00	Off	Static			5.6	12.9						

Nojoqui Farms Main Well
2012

		Running	Static		PSI	PSI	Feet	Totalizer					
Date	Time	Pump On	Pump Off	Totalizer	Head	Air Line	of water	Start	Finish	Gallons	Time	GPM	Notes
8/21/2012	10:15	On		113,671,500	63.25	3.7	8.5	1500	1800	300	2.65	113	
8/22/2012	8:00	On		113,811,900	59	3.6	8.3	1900	2300	400	3.1	129	Ran all night
8/22/2012	11:50	On			57	0	0.0						Sucking air: throttled to 62#
8/22/2012	11:55	On					0.0	1900	2100	200	1.69	118	After throttling
8/23/2012	8:20	On		113,960,800	62	4.2	9.7	800	1100	300	2.77	108	
8/24/2012	10:25	On		114,055,200	63	5.6	12.9	200	700	500	4.1	122	
8/27/2012	7:15	On		114,252,200	65.5	9.4	21.7	2200	2600	400	3.12	128	Well one third time running
8/28/2012	11:45	On		114,416,700	62	1.3	3.0			0			
8/29/2012	11:55	On		114,545,900		4.3	9.9	5900	6400	500	3.87	129	
8/31/2012	11:50	On		114,795,200	63	4.5	10.4	5200	5800	600	4.82	124	
9/1/2012	10:00	On		114,906,400	65	6.8	15.7	6400	6800	400	3.41	117	
9/3/2012	8:15	On		115,148,300	64.5	7.4	17.1	8300	8700	400	3.27	122	Opened vlave a bit
9/4/2012	8:05	On		115,274,100	64.5	7.6	17.6	4100	4500	400	3.2	125	Opened vlave a bit more
9/4/2012	11:05	On			63	3.2	7.4						
9/5/2012	8:30	On		115,404,400	64.5	6.8	15.7	4400	4700	300	2.43	123	
9/5/2012	11:40	On		115,428,400	63.5	3.1	7.2	8400	8800	400	3.26	123	
9/6/2012	11:50	On		115,556,700	64	5.1	11.8	6700	7100	400	3.18	126	
9/7/2012	11:55	On		115,682,700	63.5	3	6.9	2700	3000	300	2.47	121	
9/10/2012	18:45	On		116,072,400	65	5.8	13.4	2400	2700	300	2.49	120	
9/11/2012	11:15	On		116,180,900	64	3.8	8.8	900	1200	300	2.27	132	
9/12/2012	11:50	On		116,313,000	64	3.8	8.8	3000	3300	300	2.29	131	
9/13/2012	11:50	On		116,438,200	63.5	3.7	8.5	8200	8500	300	2.33	129	
9/17/2012	8:15	On		116,902,500	65	7.7	17.8	2500	2800	300	2.54	118	
9/17/2012	12:00	On		116,930,800	64	5	11.6	800	1100	300	2.29	131	Opened valve a bit more
9/18/2012	7:50	On		117,033,100	62.5	7.5	17.3	100	400	300	2.13	141	
9/18/2012	12:05	On		117,067,700	61.5	4.7	10.9	7700	8000	300	2.24	134	
9/27/2012	11:50	On		118,282,000		4.8	11.1	2000	2600	600	4.41	136	
9/28/2012	11:50	On		118,414,600	64	4.35	10.0	600	900	300	2.29	131	
10/8/2012	11:50	On		119,741,800	63	5	11.6	1800	2200	400	3.00	133	Opened valve to 62 psi head
10/12/2012	11:55	On		120,370,700	61.5	4.8	11.1	700	1100	400	2.55	157	
10/16/2012	11:06	On		120,921,500	61	4.5	10.4	500	900	400	2.57	156	
10/17/2012	11:35	On		121,087,700	61	3.2	7.4	700	1100	400	2.47	162	
10/19/2012	11:43	On		121,412,900	61.5	4.2	9.7	900	1300	400	2.46	163	
10/24/2012	11:55	On		121,980,600	61.5	6.2	14.3	600	1100	500	3.14	159	
10/26/2012	11:30	On		122,354,100	61	4.8	11.1	100	600	500	3.21	156	
11/2/2012	11:40	On		123,307,800	61.5	5	11.6	7800	8200	400	2.55	157	
11/8/2012	11:45	On		124,262,000	62	6.4	14.8	2000	2400	400	2.57	156	Drizzle & Cool
11/15/2012	11:15	On		124,676,300	63	5.9	13.6	6300	7000	700	4.33	162	Overcast: opened valve a bit
11/29/2012	13:15	Off	Static	124,997,200		10.4	24.0						
12/31/2012	8:10	Off	Static	125,517,300		15.5	35.8						
Gallons pumped from 1/2/12 to 12/31/12				39,429,000									

2012 TOTAL

Nojoqui Farms Main Well
2013

		Running	Static		PSI	PSI	Feet	Totalizer					
Date	Time	Pump On	Pump Off	Totalizer	Head	Air Line	of water	Start	Finish	Gallons	Time	GPM	Notes
12/31/2012	8:10	Off	Static	25,517,300		15.5	35.8						
2/1/2013	2:30	Off	Static	26,382,600		9.9	22.9			0			
3/1/2013	10:05	Off	Static	27,045,100		8.4	19.4			0			Well had been running
3/20/2013	7:45	On		28,040,500	62.5	10.7	24.7	500	1300	800	4.33	185	Adjusted head to 60 psi
3/21/2013	11:00	On		28,206,200	58	7.2	16.6	200	800	600	3.06	196	Adjusted head to 55 psi
3/21/2013	12:50	On		28,231,400	54	6.9	15.9	1400	2100	700	3.05	230	Adjusted head to 53
3/27/2013	11:50	On		28,473,600	53.5	5.7	13.2	3600	4600	1000	4.17	240	Adjusted head to 52 psi
3/28/2013	11:35	On		28,626,400	52	4.9	11.3	6400	7200	800	3.29	243	Adjusted head to 51 psi
4/10/2013	7:30	On		29,484,200	52.5	10.4	24.0	4200	5300	1100	4.39	251	
4/11/2013	14:10	On		29,708,700		5.7	13.2	8700	9500	800	3.17	252	
4/19/2013	12:00	On		30,502,400	50	1.7	3.9	2400	3400	1000	4.04	248	Should throttle down soon
4/23/2013	11:50	On		30,784,300	51.5	6.2	14.3	4300	5100	800	3.23	248	Cooler so ok: throttle if hot
4/25/2013	11:50	On		31,060,100	50.5	6.2	14.3	100	2400	2300	9.3	247	Warmer, but ok
5/2/2013	11:55	On		31,782,700	49.5	4	9.2	2700	3700	1000	4.05	247	
5/3/2013	11:55	On		31,893,300	49	2.4	5.5	3300	4700	1400	5.91	237	Hot
5/16/2013	10:15	On		33,675,800	51.5	7	16.2	5800	6700	900	3.84	234	
5/16/2013	16:10	On		33,730,300	51.5	6.6	15.2	300	1100	800	3.47	231	
5/24/2013	11:35	On		35,200,700	50	2.4	5.5	700	1500	800	3.68	217	
5/27/2013	11:45	On		35,763,100	49.5	1.4	3.2	100	900	800	3.92	204	
5/30/2013	11:50	On		36,092,500	48.5	1.2	2.8	2500	3300	800	3.79	211	Sucking air--throttled
6/5/2013	11:50	On		37,146,200	55	2.7	6.2	200	800	600	3.45	174	
6/13/2013	11:56	On		38,844,800	46-47	0	0.0	4800	5300	500	3	167	Sucking air--throttled
6/14/2013	6:56	On		38,960,700	58	4.1	9.5	700	1100	400	3.19	125	Opened to 57.5
6/14/2013	10:07	On		38,987,500	56	1.4	3.2	500	800	300	2	150	Little throtle back
6/14/2013	11:50	On		39,002,500	56.5	0	0.0	500	900	400	2.73	147	Little throtle back
6/14/2013	15:50	Off	Static			4.8	11.1						
6/14/2013	17:00	On			61	2.8	6.5						
6/14/2013	20:15	On			63	3.9	9.0						
6/15/2013	5:15	On			64	6.6	15.2			0			
6/15/2013	8:25	On		39,103,300	63.5	6.2	14.3	300	600	300	3.26	92	
6/15/2013	11:15	On		39,118,500	63	4	9.2	500	700	200	2.24	89	
6/15/2013	11:55	On			61.75	3.45	8.0						
6/17/2013	7:25	On		39,339,400	62	5.8	13.4	9400	9700	300	2.95	102	
6/17/2013	10:50	On			61	1.0	2.3						
6/17/2013	12:00	On		39,366,500	59.5	0	0.0	500	700	200	2.17	92	
6/17/2013	16:45	On			62.5	3.6	8.3	800	1100	300	2.7	111	
6/18/2013	7:33	On		39,470,100	60.5	3.8	8.8	100	400	300	2.73	110	
6/18/2013	9:30	On		39,482,700	60	2.7	6.2	700	900	200	1.86	108	
6/18/2013	10:30	On			59.5	2	4.6						
6/18/2013	11:30	On			59.5	1.5	3.5						
6/19/2013	8:00	On		39,601,100	61	4.2	9.7	100	300	200	1.85	108	
6/19/2013	11:50	On		39,625,100	60	0	0.0	100	300	200	2.12	94	
6/20/2013	7:40	On		39,726,000	61.25	4.25	9.8	0	300	300	2.79	108	

Nojoqui Farms Main Well
2013

		Running	Static		PSI	PSI	Feet	Totalizer						
Date	Time	Pump On	Pump Off	Totalizer	Head	Air Line	of water	Start	Finish	Gallons	Time	GPM	Notes	
6/20/2013	11:06	On		39,746,900	59.75	0	0.0	6900	7100	200	1.97	102	Throttled to 61	
6/20/2013	11:40	On		39,749,500	62	1	2.3	500	600	100	1.01	99		
6/20/2013	13:20	Off	Static			4.5	10.4			0				
6/20/2013	15:45	Off	Static			5.4	12.5			0				
6/21/2013	7:45	On		39,837,900	65	4.7	10.9	7900	8100	200	2.14	93		
6/21/2013	10:50	On		39,854,600	65	4.2	9.7	600	800	200	2.43	82		
6/24/2013	8:15	On		40,071,000	66	6.2	14.3	1000	1200	200	2.21	90		
6/25/2013	8:24	On		40,167,600	66	5.8	13.4	600	800	200	2.4	83		
6/25/2013	10:00	On			65.5	4.5	10.4							
6/25/2013	11:40	On		40,184,000	65	2.7	6.2	4000	4200	200	2.65	75		
6/25/2013	3:40	Off	Static	40,189,500	38	4.3	9.9							
6/25/2013	3:55	On			66	3.4	7.9							
6/25/2013	10:00	On		40,217,500	66	6.2	14.3							
6/26/2013	6:00	On		40,249,200	68	7.6	17.6							
6/26/2013	7:20	On		40,255,200	67.5	7.3	16.9	200	300	100	1.3	77		
6/26/2013	9:51	On		40,265,500	67	4.9	11.3	500	600	100	1.42	70		
6/26/2013	11:35	On		40,272,100	66.5	3.4	7.9	100	200	100	1.63	61		
6/26/2013	12:56	Off	Static		38	3.6	8.3							
6/26/2013							0.0			0		#DIV/0!		
							0.0			0		#DIV/0!		
							0.0			0		#DIV/0!		
Gallons pumped from 12/31/12 to 6/26/13:				14,754,800			0.0			0		#DIV/0!		
			2012				0.0			0		#DIV/0!		
			(6 mos)				0.0			0		#DIV/0!		
							0.0			0		#DIV/0!		
							0.0			0		#DIV/0!		
							0.0			0		#DIV/0!		
							0.0			0		#DIV/0!		
							0.0			0		#DIV/0!		
							0.0			0		#DIV/0!		
							0.0			0		#DIV/0!		
							0.0			0		#DIV/0!		
							0.0			0		#DIV/0!		
							0.0			0		#DIV/0!		
							0.0			0		#DIV/0!		
							0.0			0		#DIV/0!		
							0.0			0		#DIV/0!		
							0.0			0		#DIV/0!		
							0.0							
							0.0							

Nojoqui Farms Main Well
2015

		Running	Static		PSI	PSI	Feet	Freq.	Totalizer					
Date	Time	Pump On	Pump Off	Totalizer	Head	Air Line	of water	Hz	Start	Finish	Gallons	Time	GPM	Notes
12/31/2014	8:47	Off	Static	86,898,200		0	0.0							75 min/day
1/23/2015	9:00	Off	Static	87,452,000		13.3	30.7		86,898,200	87,452,000	553800			
1/27/2015	9:05	Off	Static	87,549,800		12.9	29.8		87,452,000	87,549,800	97800			
2/20/2015	7:35	Off	Static	87,808,100		13.7	31.6		87,549,800	87,808,100	258300			
3/2/2015	8:00	On	Pumping	87,919,800	Broken	9.3	21.5		87,919,800	87,920,200	400	1.27	315	
4/8/2015	8:04	On	Pumping	88,446,100	Broken	9.7	22.4		88,446,100	88,446,200	100	0.33	303	
4/8/2015	8:12	On	Pumping			9.4	21.7				0			
4/30/2015	14:38	On	Pumping	89,616,900	39	4.7	10.9		89,617,000	89,617,100	100	0.35	286	Ran most of day
5/4/2015	8:09	Off	Static	89,697,800		13.4	31.0				0			
5/6/2015	7:40	Off	Static	89,916,900		13.3	30.7				0			
5/25/2015	10:25	Just off	Rising	90,872,000			0.0				0			
5/25/2015	14:32	On	Pumping	90,015,000	38		0.0				100	0.32	313	
6/12/2015	14:37	On	Pumping	92,434,600	40	4.6	10.6				100	0.35	286	
6/19/2015	13:38	On	Pumping	93,311,400	38	2.5	5.8				100	0.35	286	
7/23/2015	8:42	On	Pumping	97,528,300	38	2.9	6.7				100	0.42	238	
7/28/2015	11:50	On	Pumping	98,420,400	38	1.3	3.0				100	0.37	270	
7/31/2015	5:50	Off	Static	98,689,200		9.6	22.2				0			
8/5/2015	6:01	On	Pumping	99,625,700	0	2.6	6.0				100	0.34	294	6 hour run from midnight
8/22/2015	9:30	On	Pumping	102,081,000	Broken	2	4.6				100	0.4	250	
8/28/2015	11:00	On	Pumping	103,218,100		0	0.0				100	0.377	265	
9/1/2015	8:28	Off	Static	103,724,500		9.5	21.9				0		0	
9/3/2015	6:10	On	Pumping	103,919,700		3	6.9				100	0.37	270	
9/3/2015	7:57	On	Pumping	103,949,770		2.7	6.2				100	0.35	286	
9/10/2015	6:57	On	Pumping	104,661,400		2.9	6.7	60.0			100	0.35	286	
9/19/2015	8:15	On	Pumping	105,649,700		3.2	7.4	5.9			100	0.38	263	
9/11/2015	10:35	On	Pumping	105,686,000		1	2.3	58.5						
9/11/2015	16:36	Off	Static	105,978,900		5	11.6							Set 10 hours at night
9/24/2015	7:20	On	Pumping	106,367,600	40	3.3	7.6				100	0.37	270	
10/9/2015	7:55	On	Pumping	108,960,800			0.0	54.5			100	0.37	270	
10/15/2015	7:43	On	Pumping	110,333,300		2.6	6.0	52.1			100	0.68	147	
10/28/2015	7:15	On	Pumping	111,672,300		3.2	7.4	50.5						
11/18/2015	7:40	On	Pumping	Broken		3.6	8.3	51.2						
Gallons pumped from 12/31/14 to 10/28/15:				24,774,100										

Nojoqui Farms Main Well
2016

		Running	Static		PSI	PSI	Feet	Freq.	Gallons	Days	Average	Timing	Timer		
Date	Time	Pump On	Pump Off	Totalizer	Head	Air Line	of water	Hz	Pumped		Gal/Day	Gallons	Time	GPM	Notes
							0.0								
							0.0								
1/14/2016	8:00	On	Pumping	14,856,400		3	6.9	57.4				100	0.35	286	Had run all night-cavitation
2/2/2016	13:25	On	Pumping	15,450,200		2.4	5.5	60.0	593,800	19	31,253	100	0.39	256	
3/1/2016	8:30	On	Pumping	18,663,800	=/-40	2	4.6	55.0	3,213,600	28	114,771	100	0.37	270	Cavitating
6/16/2016	7:26	Perm On	Pumping	30,188,800		3.1	7.2	49.8				100	1.62	62	
7/6/2016	16:40	Perm On	Pumping				0.0	49.0							
7/28/2016	8:05	Perm On	Pumping	33,224,700			0.0	49.8	3,035,900	42	72,283	100	2.23	45	
7/29/2016	6:30	Perm On	Pumping	33,301,400	38 to 40	4	9.2	49.9	76,700	1	76,700	100	1.65	61	
8/4/2016	7:20	Perm On	Pumping	33,609,650	38	2.75	6.4	50.0	308,250	6	51,375	100	1.6	63	
8/24/2016	11:25	Off		34,497,400			0.0		887,750	20	44,388				VFD Broken
8/25/2016	7:50	Off	Static			6.8	15.7								VFD Broken
8/26/2016	9:30	Off	Static			7.2	16.6								
9/13/2016	15:45	Off		34,703,400			0.0								
9/16/2016	7:30	On		34,736,000	38	2.1	4.9	50.6	32,600	3	10,867	100	1	100	
9/21/2016	7:44	On		34,806,100	38.5	2.2	5.1	51.1	70,100	5	14,020	100	1	100	
9/29/2016	7:24	Came on					0.0								
9/29/2016	8:08	On		34,897,650	38	2.1	4.9	51.1	91,550	8	11,444				Pump turned off
10/6/2016	7:55	On		34,945,500	38	2.8	6.5	51.2	47,850	7	6,836	100	0.838	119	
10/19/2016	7:40	On		35,038,600	38	2.7	6.2	51.6	93,100	13	7,162	100	0.88	114	
11/11/2016	10:45	Off	Static	35,216,100		8.4	19.4		177,500	23	7,717			0	
11/17/2016	7:17	Off	Static	35,265,900		10.8	24.9		49,800	6	8,300				4 timer pegs, now 3
11/18/2016	14:30	On/Off					0.0	51.2							Left on 31 hours
12/13/2016	14:40	Off	Static	35,650,750		10.2	23.6		384,850	26	14,802				
12/22/2016	7:30	Off	Static	35,712,200		12	27.7		61,450	9	6,828				
12/22/2016	7:37	On				2.5	5.8	53.8							Dropped quickly
Gallons pumped from 1/14/16 to 12/22/16:				20,855,800											

MOONSHINE WELLS 1 & 2

WELL COMPLETION REPORTS

MOONSHINE 1

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

QUADRUPLICATE
Use to comply with local requirements

Do not fill in

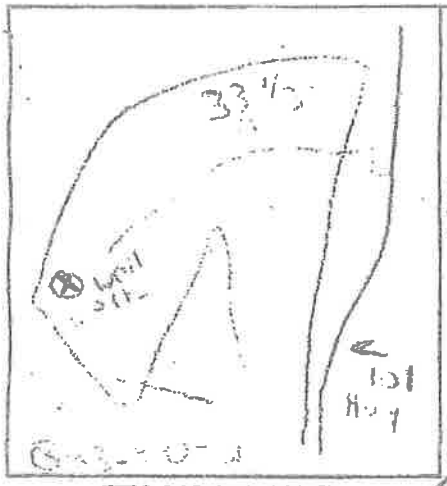
No. 354299

Notice of Intent No. _____
Local Permit No. or Date _____

State Well No. _____
Other Well No. _____

(1) OWNER: Name MC Lucian Valley Farms
Address P.O. Box 130
City Firebaugh CA ZIP 93627

(2) LOCATION OF WELL (See instructions):
County Fresno Owner's Well Number _____
Well address if different from above Hill Rd.
Township 15N Range 13E Section _____
Distance from cities, roads, railroads, fences, etc. _____



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☑
Irrigation ☒
Industrial ☐
Test Well ☐
Municipal ☐
Other ☒
(Describe)

(5) EQUIPMENT:
Rotary ☒ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size #2/12
Diameter of bore 12 3/4
Packed from 60 ft. to 180 ft.

(7) CASING INSTALLED:
Steel ☐ Plastic ☒ Concrete ☐

From ft.	To ft.	Dia. in.	Gage or Wall
0	60	12"	.375

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Slot size
60	180	.040

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 60 ft.
Were strata sealed against pollution? Yes ☐ No ☒ Interval _____ ft.
Method of sealing _____

(10) WATER LEVELS:
Depth of first water, if known _____ ft.
Standing level after well completion 25 ft.

(11) WELL TESTS:
Was well test made? Yes ☒ No ☐ If yes, by whom? Cascade
Type of test Pump ☒ Bailer ☐ Air lift ☐
Depth to water at start of test 25 ft. At end of test 122 ft.
Discharge 55 gal/min after 12 hours Water temperature _____
Chemical analysis made? Yes ☐ No ☒ If yes, by whom? _____
Was electric log made Yes ☐ No ☒ If yes, attach copy to this report

(12) WELL LOG: Total depth 180 ft. Completed depth 180 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	45	Fine: Clay
45	80	Fine: Clay w/gravel
80	180	Fine sand

Work started 11-1 1995 Completed 11-15 1995

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Signed _____ (Well Driller)
NAME Cascade Well & Pump Co (Person, firm, or corporation) (Typed or printed)
Address 2171 E Shaw Ave
City Fresno CA ZIP 93710
License No. 411674 Date of this report 11-21-95

CONFIDENTIAL
NOT FOR PUBLIC USE
WATER CODE SEC. 13752

DWR 188 (REV. 12-88) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM 86 96335

CASCADE WELL & PUMP COMPANY

267 EL SUENO ROAD
SANTA BARBARA, CA 93110

Telephone (805) 965-7246
Fax (805) 681-4559

3/21/96

NOJOQUI VALLEY RANCH
P.O. BOX 130
BUELLTON, CA 93427

RE: HWY 101-33 ACRE PARCEL

WELL TEST

3/21/96

TIME	GUAGE	WATER LEVEL	DRAWDOWN	GPM
9:30 a.m.	61	29	0	50
9:45	61	29	0	50
10:00	61	29	0	50
10:30	60	31	2	50
11:30	59	33	4	50
12:30 p.m.	59	33	4	50
1:30	58	36	7	50
2:30	58	36	7	50
3:30	58	36	7	50
4:30	58	36	7	50
5:30	58	36	7	50
6:30	58	36	7	50
7:30	58	36	7	50
8:30	58	36	7	50
9:30	58	36	7	50

Recovery

9:45	59
10:00	61

AFTER PUMPING FOR A PERIOD OF 12 HOURS, I CERTIFY THAT THIS WELL WILL DELIVER A MINIMUM OF 50 GALLONS PER MINUTE.

BEN GIORDNAO
LICENSE #496704

MOONSHINE 2

State of California

Well Completion Report

Form DWR 188 Complete 11/28/2017

WCR2017-005533

Owner's Well Number | Date Work Began 09/13/2016 | Date Work Ended 10/08/2016

Local Permit Agency Santa Barbara County Environmental Health Services

Secondary Permit Agency | Permit Number 0000438 | Permit Date 03/30/2015

Well Owner (must remain confidential pursuant to Water Code 13752)

Name XXXXXXXXXXXXXXXXXXX

Mailing Address XXXXXXXXXXXXXXXXXXX

XXXXXXXXXXXXXXXXXXX

City XXXXXXXXXXXXXXXXXXX State XX Zip XXXXX

Planned Use and Activity

Activity New Well

Planned Use Other

Specify Agriculture & Domestic

Well Location

Address 1889 Highway 101

City Gaviota Zip 93117 County Santa Barbara

Latitude 34 Deg. 33 Min. 10.4 Sec. N Longitude -120 Deg. 11 Min. 30.5 Sec. W

Dec. Lat. 34.5528889 Dec. Long. -120.1918056

Vertical Datum | Horizontal Datum WGS84

Location Accuracy >50 Ft Location Determination Method Other

APN 083430014

Township 06 N

Range 31 W

Section 31

Baseline Meridian San Bernardino

Ground Surface Elevation

Elevation Accuracy

Elevation Determination Method

Borehole Information

Orientation Vertical Specify

Drilling Method Direct Rotary Drilling Fluid Bentonite

Total Depth of Boring 800 Feet

Total Depth of Completed Well 800 Feet

Water Level and Yield of Completed Well

Depth to first water (Feet below surface)

Depth to Static Water Level (Feet) Date Measured 10/08/2016

Estimated Yield* 25 (GPM) Test Type Pump

Test Length (Hours) Total Drawdown (feet)

*May not be representative of a well's long term yield.

Geologic Log - Free Form

Depth from Surface Feet to Feet		Description
0	10	Light brown clayey silt
10	20	Dark grey silt and clay
20	30	Orange brown gravelly silt
30	150	Dark grey siltstone and shale, hard
150	160	Blue grey siltstone, hard
160	260	Grey brown shale
260	300	Blue grey siltstone, hard
300	310	Dark grey brown shale and clay
310	365	Blue grey siltstone
365	390	Blue grey sandstone, fine grained

390	400	Dark grey shale and sandstone, very fine grained
400	430	Blue grey siltstone and sandstone, very fine grained
430	440	Blue grey sandstone, very fine grained
440	450	Dark grey siltstone, hard
450	530	Blue grey very fine grained sandstone
530	540	Dark grey siltstone very fine grained
540	550	Blue grey sandstone very fine grained
550	600	Dark grey siltstone and blue grey sandstone, very fine grained
600	670	Blue grey sandstone, very fine to fine grained
670	690	Blue grey sandstone and siltstone
690	800	Blue grey shale and sandstone

Casings

Casing #	Depth from Surface Feet to Feet		Casing Type	Material	Casings Specificatons	Wall Thickness (inches)	Outside Diameter (inches)	Screen Type	Slot Size If any (inches)	Description
1	0	260	Blank	PVC	OD: 6.625 in. I SDR: 21 I Thickness: 0.316 in.	0.316	6.625			
1	260	800	Screen	PVC	OD: 6.625 in. I SDR: 21 I Thickness: 0.316 in.	0.316	6.625	Milled Slots	0.032	

Annular Material

Depth from Surface Feet to Feet		Fill	Fill Type Details	Filter Pack Size	Description
51	800	Filter Pack	Other Gravel Pack		Gravel Pack
0	51	Cement	Other Cement		Sanitary Seal

Other Observations:

Borehole Specifications

Depth from Surface Feet to Feet		Borehole Diameter (inches)
0	800	12.25

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name: CASCADE WELL CO
Person, Firm or Corporation

1200 VIA REGINA | SANTA | CA | 93111
Address | City | State | Zip

Signed: *electronic signature received* | 11/22/2017 | 496704
C-57 Licensed Water Well Contractor | Date Signed | C-57 License Number

Attachments

1889 Hwy 101 Map.pdf - Location Map

DWR Use Only

CSG #	State Well Number	Site Code	Local Well Number

			N						W

Latitude Deg/Min/Sec | Longitude Deg/Min/Sec

TRS:

APN:

APPROVED SINGLE PARCEL WATER SYSTEM

Santa Barbara County PUBLIC Health DEPARTMENT

Environmental Health Services

225 Camino Del Remedio, Santa Barbara, CA. 93110 ◆ (805) 681-4900
2125 S. Centerpointe Pkwy., #333 • Santa Maria, CA 93455-1340 ◆ (805) 346-8460

Single Parcel Water System Permit Application

☐ Single Parcel Water System (1 – 4 connections) Plan Review - $1,604 [4617]

FOR OFFICE USE ONLY
Rec'd Date: _____
Rec'd By: _____
SR # _____
District # _____

Required Attachments:

1. Water System Exclusive Ownership Declaration – Complete Attachment 1 (*see Application Instructions – item D.*)
2. Copy of Grant Deed (*see Application Instructions – item D.*)
3. Copy of easement if using offsite source. (*see Application Instructions – item D.*)
4. Plot Plan – Complete Attachment 2 (*see Application Instructions – item K.*)
5. Schematic Drawing – Complete Attachment 3 (*see Application Instructions – item L.*)
6. Pump specifications (*see Application Instructions – item L.*)
7. Pump Test Report (*see Application Instructions – item I.*)
8. Water Quality Chemical Analysis results (*see Application Instructions – item J.*)
9. Water Treatment Letter – included as Attachment 4 (*see Application Instructions – item J.*)

APPLICANT: ☑ Property Owner ☐ Licensed Well Drilling Contractor ☐ Owner's Agent (*Authorized in writing*)

Property Owner SUNBURST CHURCH / PATTY PAULSEN Telephone No. (805) 291 - 2466

Mailing Address: P.O. Box 2008 (Street Number and Name) BUELLTON (City) CA 93427 (State/ Zip Code)

(*If applicant is other than Property Owner*):

Applicant's Name CHARLES KATHERMAN Phone: 805-598-5661 Cell: SAME E-mail: LKathermanc@aol.com Fax: _____

Applicant's Address: P.O. BOX 1812 (Street Number and Name) SANTA MARIA (City) CA 93456 (State/ Zip Code)

Site Location: 1889 U.S. HIGHWAY 101 (Street Number and Name) BUELLTON (City) CA 93427 (State/ Zip Code)

Assessor's Parcel Number 083 - 430 - 014

1. Number of Existing Water Connections: 2

Number of New Water Connections: 0

Type of New Water Connection(s):
☐ Commercial Building ☐ Single Family Residence
☐ Mobile Home ☐ Additional Dwelling Unit

2. Water System Location:
☑ On Project Property WATER SYSTEM
☑ Off-Site (see Application Instructions – item D) WELL
(Assessor's Parcel # 083 - 430 - 015)

3. Water System Source:
☑ Well ☐ Horizontal Well
☐ Spring ☐ Creek / Stream
If the source is a well, please complete the attached schematic diagram. If the source is a spring, horizontal well or creek/stream, attach appropriate schematic.

4. Well Data:
Date Drilled: 12/1964
Well Permit # WCR 101177

5. Other Water Source
☐ Public ☐ Private ☑ None

6. Type of Permit:
☐ Construction ☑ Modification OF EXISTING SYS.

7. Source Yield / Pump Test Report:
(From test completed in last 5 years)
Gallons Per Minute: 100+ gpm (Attach Pump Test Report)

8. Water Quality Chemical Analysis:
(From test completed in last 3 years)
☑ No Treatment required ☐ Treatment required
(Attach analysis and indicate treatment equipment on schematic. Treatment form and equipment specifications are required.)

9. LEGAL DECLARATION

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am a licensed under the provisions of Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code and such license (C-57 or C-61) is in full force and effect.

NOT APPLICABLE (AS BUILT) _____ _____

Print Name of Contractor | Signature of Contractor | Date

Lic. No.: _____ Office Telephone _____ Cell Phone: _____

Business Name: _____ Address _____

10. (Complete 'A' or 'B')

A. WORKERS' COMPENSATION DECLARATION

I hereby affirm one of the following:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
- ☐ I have and will maintain workers' compensation insurance, as provided for by Section 3700 of the Labor Code, for the performance of work for which this permit is issued. My insurance carrier and policy number are:

Carrier _____ Policy No. _____

Applicant Signature _____ Date _____

B. CERTIFICATION OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of work for which this permit is issued, I shall not employ any person in a manner so as to become subject to the Worker's Compensation Laws of California.

Applicant Signature Charles E. Katherman Date 4/26/2021

Notice to Applicant: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

11. When signed by the Environmental Health Specialist, this application shall become a Permit to Construct a Single Parcel Water System and is not a "permit for development" as that term is used in the California Subdivision Map Act. Approval is based entirely on the review of information submitted by the applicant and is not a guarantee as to the future quality or quantity of water which will be provided by the water system. Permits are valid for three years from the date of issuance. Permits are not transferable. Please note additional permits (e.g., electrical installation, land use clearance, grading) may also be required from other agencies prior to the installation of the water system.

In accordance with the requirements of Santa Barbara County Code, I do hereby make application for a permit to construct a Single Parcel Water System and certify that the above information is true and correct. The permit application must be signed by the parcel owner, his/her agent (with written authorization) or a licensed contractor. A manually signed copy of this application delivered by facsimile, email, or other electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this application.

REQUIRED INSPECTIONS / FINAL CLEARANCE: Prior to final clearance/occupancy:

1. Disinfect and flush the completed water system per EHS instructions.
2. After flushing, a final inspection and bacteriological sampling must be scheduled directly with the approving Environmental Health Specialist at least two (2) business days in advance.
3. Submit a chemical analysis of treated water (if treatment is required).
4. Obtain written occupancy from Environmental Health.

Signed CHARLES E. KATHERMAN Charles E Katherman 4/26/2021

Applicant Owner/Agent/Licensed Contractor (Print Name) | Applicant's Signature | Date

FOR DEPARTMENT USE ONLY

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed Belinda Huy 07/26/21

ENVIRONMENTAL HEALTH SPECIALIST | DATE

Fixed Fee Rec'd: by: _____ Date/Amt. _____ $ _____ Credit Card: ☐ Check/Receipt/Trans. No.: _____

#: _____ **Hourly Billing**: Applicant notified of amount due by Plan Checker (Initials): _____ Date: _____

Rec'd by: _____ Date/Amt. _____ $ _____ Credit Card: ☐ Check/Receipt/Trans. No.: _____ #: _____

Date plans resubmitted (1) _____ (2) _____ (2) _____

Permit Conditions: _____

Final Construction Approved by: _____ Date: _____

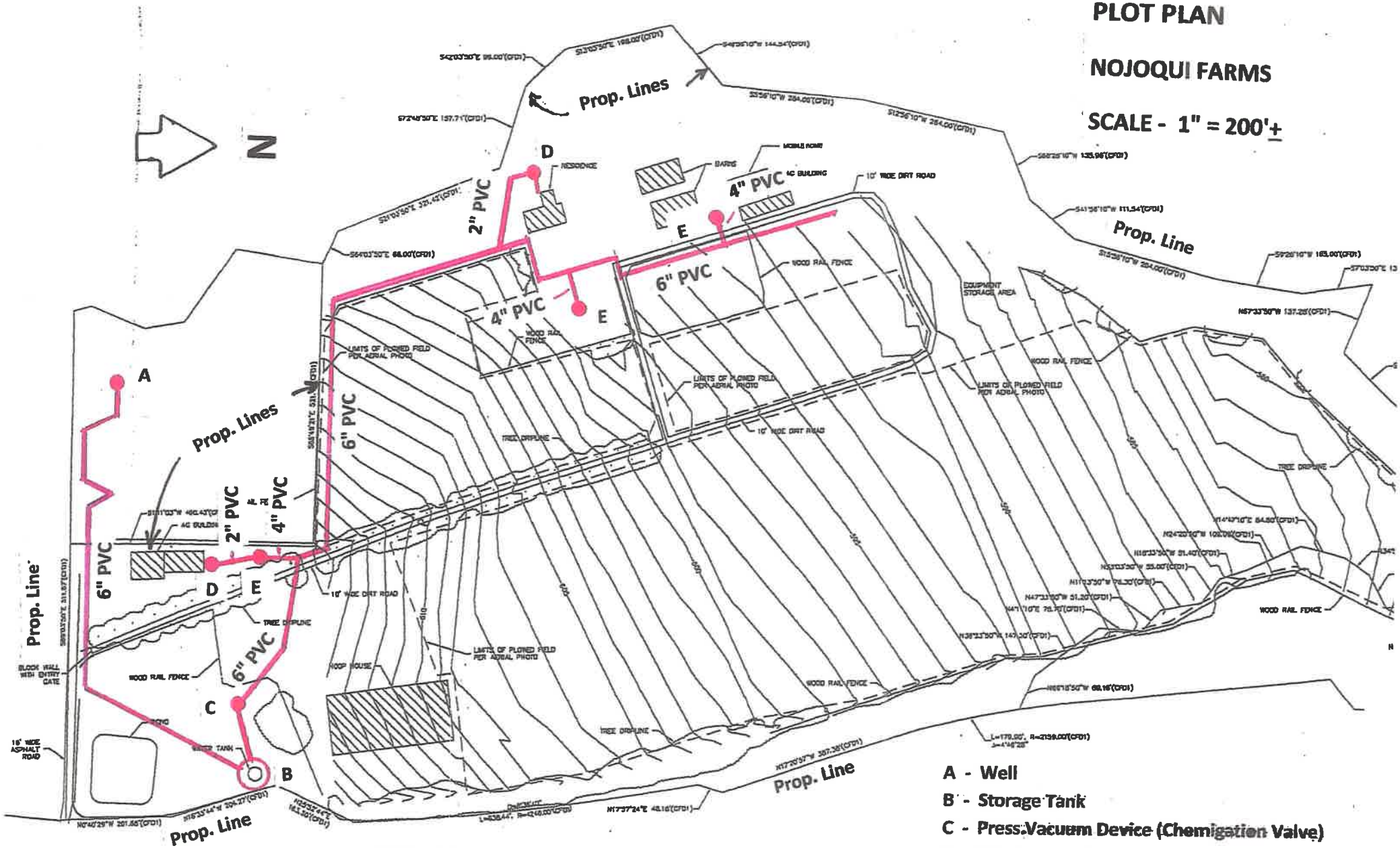
Final Clearance by: _____ Date: _____

DOMESTIC WATER SYSTEM PLOT PLAN

PLOT PLAN

NOJOQUI FARMS

SCALE - 1" = 200'±



A - Well

B - Storage Tank

C - Press.Vacuum Device (Chemigation Valve)

D - Pressure Tank

E - Hydrants

1 SURVEY
G001 1"=100'-0"

FIGURE 11

DOMESTIC WATER SYSTEM

SURVEYORS STATEMENT

I HEREBY STATE THAT THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION UNDER THE PROVISIONS OF SECTION 8726 OF THE PROFESSIONAL LAND SURVEYORS ACT AND THAT SAID SURVEY CORRECTLY SHOWS THE TOPOGRAPHIC FEATURES. THE

SURVEYOR'S NOTES

1. BOUNDARY SHOWN HEREON CALCULATED FROM RECORD DATA PER INSTRUMENT NO. 2017-0018910 OF OFFICIAL RECORDS.
2. PLOWED FARM FIELD LIMITS DEFINED FROM AERIAL

ABBREVIATIONS

AC	ASPHALT	HW	HEADWALL
BLDG	BUILDING	INV	INVERT ELEVATION
BW	BARBED WIRE FENCE	IRR	IRRIGATION
CATV	CABLE TELEVISION BOX	JP	JOINT POLE
CB	CATCH BASIN	MKR	MARKER
CF	CURB FACE	MON	MONUMENT
		OH	OVERHANG(EAVES)

HIGHWAY 246

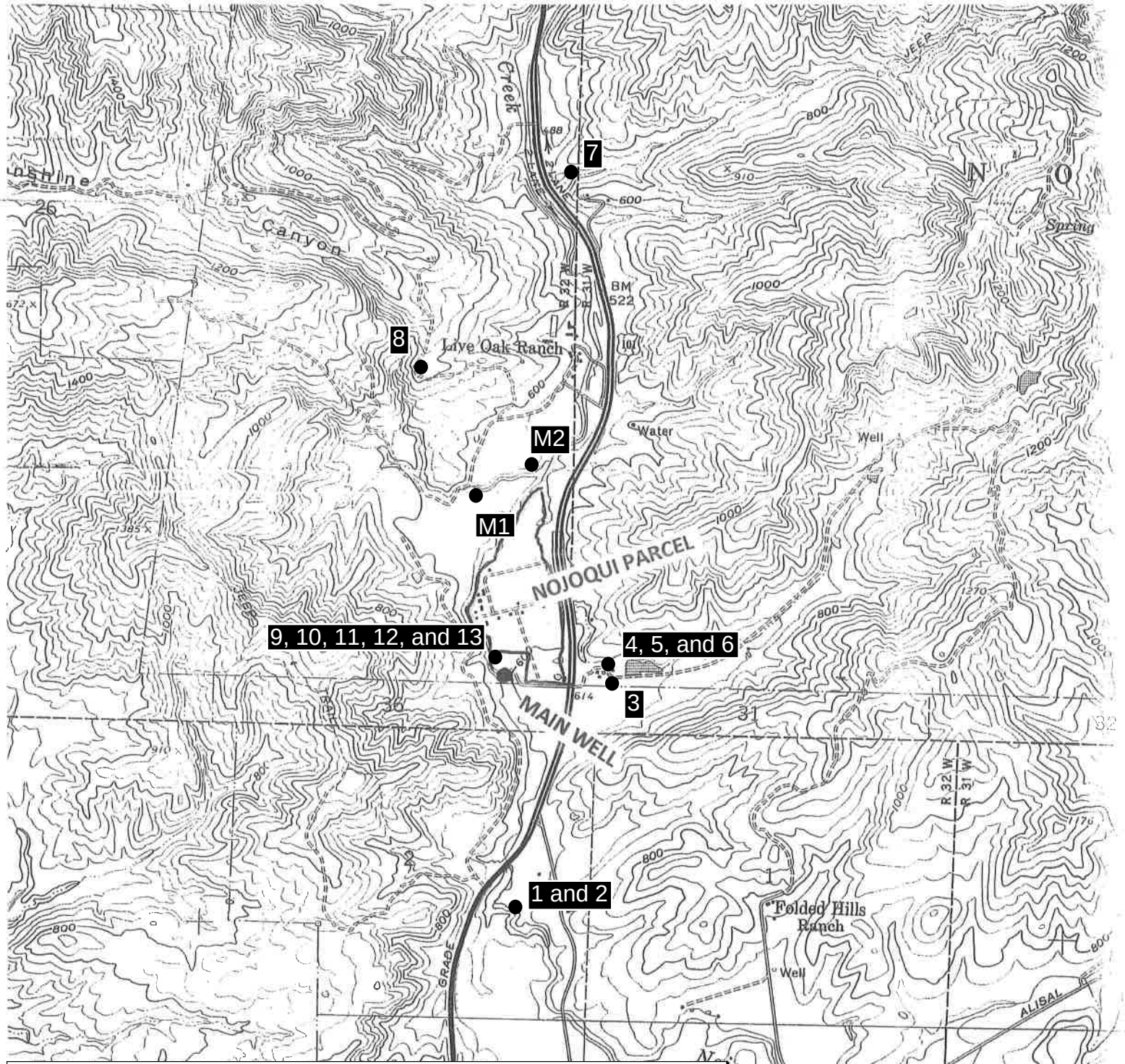
AERIAL PHOTO/LOCATION MAP

HIGH PRESSURE IRRIGATION LINES

LOW PRESSURE DOMESTIC LINES

LAYOUT OF IRRIGATION SYSTEM

EXHIBIT 2



LABEL	Well Log Number	Water Level	Bottom of Cement	Total Depth
Main	6N32W36J01	30	20	76
M1	6N32W36G01 / 354299	25	60	180
M2	WCR2017-005533		51	800
1	5N32W11A01			50
2	5N32W11A02			48
3	E007050	37	23	125
4	080591	20	50	535
5	080591		20	310
6	080594	17	50	225
7	6N31W30E01	17		250
8	6N32W25Q01	50		98
9	6N32W36R01	17	12	70
10	6N32W36R02	5.75	0	65
11	6N32W36R03		0	58
12	6N32W36R04		0	33
13	6N32W36R05	5	0	33

FIGURE 4
TOPOGRAPHY MAP

ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 3
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In
No. 40500
State Well No. 06N/32W-36J01 S
Other Well No.

CONFIDENTIAL Section 7076.1 Water Code

(2) LOCATION OF WELL:

County Santa Barbara Owner's number, if any—
R. F. D. or Street No. Approximately 4 miles south of Buellton on Hiway 101, ½ mile north and ½ mile west of intersection of Nojoqui Rd.

(3) TYPE OF WORK (*check*):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (*check*):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐

From	ft. to	ft.	Diam.	Gage or Wall
0	55	8	8	

Type and size of shoe or well ring
Describe joint weld collar

If gravel packed

Diameter of Bore	from ft.	to ft.

Size of gravel:

(7) PERFORATIONS:

Type of perforator used Mills knife
Size of perforations 1½ in., length, by ½ in.

From	ft. to	ft.	Perf. per row	Rows per ft.
44	49	6	2	

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 20 ft.
Were any strata sealed against pollution? ☐ Yes ☒ No If yes, note depth of strata
From ft. to ft.
Method of Sealing

(9) WATER LEVELS:

Depth at which water was first found ft.
Standing level before perforating ft.
Standing level after perforating 30 ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. draw down after hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☒ No
Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth 76 ft. Depth of completed well ft.
Formation: *Describe by color, character, size of material, and structure.*

	ft. to	ft.	
0	2		Black soil
2	26		Yellow clay
26	37		Sandy blue clay
37	39		Sandy blue clay and gravel
39	45		Sandy blue clay
45	49		Gravel, some blue clay
49	76		Blue shale~~e~~ some gravel

CONFIDENTIAL - NOT FOR PUBLIC RELEASE

Work started 19 Completed December 19 64

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Alexander Bros.
(Person, firm, or corporation) *(Typed or printed)*
Address 415 East College Ave
Lompoc, Calif.
[SIGNED] Robert M. Alexander
Well Driller
License No. 206471 Dated 12/2/64, 19

95609 3-54 50M QUIN ⑧ SPO

DWR FORM NO. 246 (REV. 3-54)

USGS 343313120114101 006N032W36J001S

Santa Barbara County, California
Hydrologic Unit Code 18060010
Latitude 34°33'13", Longitude 120°11'41" NAD27
Land-surface elevation 560.00 feet above NGVD29
The depth of the well is 49.0 feet below land surface.
The depth of the hole is 76.0 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

MOONSHINE 1

QUADRUPLICATE
Use to comply with local requirements

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in

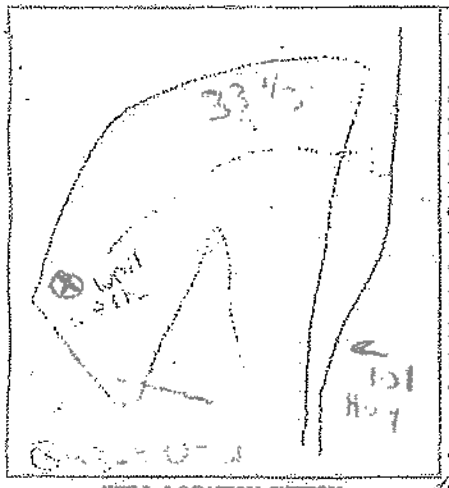
No. 354299

Notice of Intent No. _____
Local Permit No. or Date _____

State Well No. _____
Other Well No. _____

(1) OWNER: Name MC Arthur Valley Ranch
Address P.O. Box 137
City Fallbrook, CA ZIP 92028

(2) LOCATION OF WELL (See instructions):
County San Diego Owner's Well Number _____
Well address if different from above Mission Rd.
Township 9S Range 3 W Section _____
Distance from cities, roads, railroads, fences, etc. _____



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☒
Industrial ☐
Test Well ☐
Municipal ☐
Other ☒
(Describe)

(5) EQUIPMENT:
Rotary ☒ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size No. #2 SIL
Diameter of bore 12"
Packed from 60' ft. to 180' ft.

(7) CASING INSTALLED:
Steel ☐ Plastic ☒ Concrete ☐

From ft.	To ft.	Dia. in.	Gage or Wall
0	60	12"	.316

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Slot size
60	180	.040

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 60 ft.
Were strata sealed against pollution? Yes ☐ No ☒ Interval _____ ft.
Method of sealing _____

(10) WATER LEVELS:
Depth of first water, if known _____ ft.
Standing level after well completion 25 ft.

(11) WELL TESTS:
Was well test made? Yes ☒ No ☐ If yes, by whom? Cascade
Type of test Pump ☒ Bailer ☐ Air lift ☐
Depth to water at start of test 25 ft. At end of test 120 ft.
Discharge 55 gal/min after 12 hours Water temperature _____
Chemical analysis made? Yes ☐ No ☒ If yes, by whom? _____
Was electric log made Yes ☐ No ☒ If yes, attach copy to this report

(12) WELL LOG: Total depth 180 ft. Completed depth 180 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	45	Brown Clay
45	80	Brown Clay w/gravel
80	180	Gray Shale

Work started 11-6 1995 Completed 11-15 1995

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Signed _____ (Well Driller)
NAME Cascade Well & Pump Co (Person, firm, or corporation) (Typed or printed)
Address 21761 Temecula Pkwy #A
City Temecula, CA ZIP 92590
License No. 411764 Date of this report 11-21-95

VOLUNTARY
PUBLIC USE
SEC 1752
NOT FOR
WATER
CODE

DWR 188 (REV. 12-88) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM 86 96389

USGS 343330120114401 006N032W36G001S

Santa Barbara County, California
Hydrologic Unit Code 18060010
Latitude 34°33'30", Longitude 120°11'44" NAD27
Land-surface elevation 600.00 feet above NGVD29
The depth of the well is 38.0 feet below land surface.
The depth of the hole is 52.0 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

MOONSHINE 2

State of California

Well Completion Report

Form DWR 188 Complete 11/28/2017

WCR2017-005533

Owner's Well Number | Date Work Began: 09/13/2016 | Date Work Ended: 10/08/2016

Local Permit Agency: Santa Barbara County Environmental Health Services

Secondary Permit Agency | Permit Number: 0000438 | Permit Date: 03/30/2015

Well Owner (must remain confidential pursuant to Water Code 13752)

Name: XXXXXXXXXXXXXXXXXXX

Mailing Address: XXXXXXXXXXXXXXXXXXX

XXXXXXXXXXXXXXXXXXX

City: XXXXXXXXXXXXXXXXXXX | State: XX | Zip: XXXXX

Planned Use and Activity

Activity: New Well

Planned Use: Other

Specify: Agriculture & Domestic

Well Location

Address: 1889 Highway 101

City: Gaviota | Zip: 93117 | County: Santa Barbara

Latitude: 34 Deg. 33 Min. 10.4 Sec. N | Longitude: -120 Deg. 11 Min. 30.5 Sec. W

Dec. Lat.: 34.5528889 | Dec. Long.: -120.1918056

Vertical Datum | Horizontal Datum: WGS84

Location Accuracy: >50 Ft | Location Determination Method: Other

APN: 083430014

Township: 06 N

Range: 31 W

Section: 31

Baseline Meridian: San Bernardino

Ground Surface Elevation

Elevation Accuracy

Elevation Determination Method

Borehole Information

Orientation: Vertical | Specify

Drilling Method: Direct Rotary | Drilling Fluid: Bentonite

Total Depth of Boring: 800 Feet

Total Depth of Completed Well: 800 Feet

Water Level and Yield of Completed Well

Depth to first water (Feet below surface)

Depth to Static Water Level (Feet) | Date Measured: 10/08/2016

Estimated Yield*: 25 (GPM) | Test Type: Pump

Test Length (Hours) | Total Drawdown (feet)

*May not be representative of a well's long term yield.

Geologic Log - Free Form

Depth from Surface Feet to Feet		Description
0	10	Light brown clayey silt
10	20	Dark grey silt and clay
20	30	Orange brown gravelly silt
30	150	Dark grey siltstone and shale, hard
150	160	Blue grey siltstone, hard
160	260	Grey brown shale
260	300	Blue grey siltstone, hard
300	310	Dark grey brown shale and clay
310	365	Blue grey siltstone
365	390	Blue grey sandstone, fine grained

390	400	Dark grey shale and sandstone, very fine grained
400	430	Blue grey siltstone and sandstone, very fine grained
430	440	Blue grey sandstone, very fine grained
440	450	Dark grey siltstone, hard
450	530	Blue grey very fine grained sandstone
530	540	Dark grey siltstone very fine grained
540	550	Blue grey sandstone very fine grained
550	600	Dark grey siltstone and blue grey sandstone, very fine grained
600	670	Blue grey sandstone, very fine to fine grained
670	690	Blue grey sandstone and siltstone
690	800	Blue grey shale and sandstone

Casings

Casing #	Depth from Surface Feet to Feet		Casing Type	Material	Casings Specificatons	Wall Thickness (inches)	Outside Diameter (inches)	Screen Type	Slot Size If any (inches)	Description
1	0	260	Blank	PVC	OD: 6.625 in. I SDR: 21 I Thickness: 0.316 in.	0.316	6.625			
1	260	800	Screen	PVC	OD: 6.625 in. I SDR: 21 I Thickness: 0.316 in.	0.316	6.625	Milled Slots	0.032	

Annular Material

Depth from Surface Feet to Feet		Fill	Fill Type Details	Filter Pack Size	Description
51	800	Filter Pack	Other Gravel Pack		Gravel Pack
0	51	Cement	Other Cement		Sanitary Seal

Other Observations:

Borehole Specifications

Depth from Surface Feet to Feet		Borehole Diameter (inches)
0	800	12.25

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name: CASCADE WELL CO
Person, Firm or Corporation

Address	City	State	Zip
1200 VIA REGINA	SANTA	CA	93111

Signed: *electronic signature received* | 11/22/2017 | 496704
C-57 Licensed Water Well Contractor | Date Signed | C-57 License Number

Attachments

1889 Hwy 101 Map.pdf - Location Map

DWR Use Only

CSG #	State Well Number	Site Code	Local Well Number

				N						W

Latitude Deg/Min/Sec | Longitude Deg/Min/Sec

TRS:

APN:

USGS 343230120113601 005N032W11A001S

Santa Barbara County, California
Hydrologic Unit Code 18060010
Latitude 34°32'30", Longitude 120°11'36" NAD27
Land-surface elevation 610.00 feet above NGVD29
The depth of the well is 39.0 feet below land surface.
The depth of the hole is 50.0 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

USGS 343230120113602 005N032W11A002S

Santa Barbara County, California
Hydrologic Unit Code 18060010
Latitude 34°32'30", Longitude 120°11'36" NAD27
Land-surface elevation 610.00 feet above NGVD29
The depth of the well is 40.0 feet below land surface.
The depth of the hole is 48.0 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

ORIGINAL
File with DWR

Page 1 of 1

STATE OF CALIFORNIA
WELL COMPLETION REPORT

Refer to Instruction Pamphlet

No. E007050

DWR USE ONLY — DO NOT FILL IN
STATE WELL NO./ STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

Owner's Well No. #1
Date Work Began 8/11/2003, Ended 8/11/2003
Local Permit Agency Santa Barbara County
Permit No. SR0102892 Permit Date 8/6/2003

GEOLOGIC LOG

ORIENTATION (✓) ✓ VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DRILLING METHOD ROTARY FLUID Bentonite

DEPTH FROM SURFACE Ft. to Ft.	DESCRIPTION *Describe material, grain, size, color, etc.*
0 – 3	TOP SOIL
3 – 15	BROWN CLAY
15 – 18	BROWN SAND
18 – 26	BROWN CLAY
26 – 28	BROWN SAND
28 – 37	BROWN CLAY
37 – 45	SAND & GRAVEL
45 – 48	GREEN CLAY
48 – 52	SAND & GRAVEL
52 – 125	GREY SHALE
	Air Lift test is only approximate. A Test Pump is recommended for an accurate account. (MT)

TOTAL DEPTH OF BORING 125 (Feet)
TOTAL DEPTH OF COMPLETED WELL 125 (Feet)

WELL OWNER

WELL LOCATION

Address 1980 Hwy 101
City Santa Barbara CA
County Santa Barbara
APN Book 137 Page 300 Parcel 007
Township 10N Range 32W Section 36
Latitude 34 DEG. 33 MIN. 604 SEC. 120 DEG. 11 MIN. 218 SEC.

LOCATION SKETCH

NORTH / WEST / EAST / SOUTH

Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)

✓ NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES (✓)

WATER SUPPLY
✓ Domestic ___ Public
___ Irrigation ___ Industrial
MONITORING ___
TEST WELL ___
CATHODIC PROTECTION ___
HEAT EXCHANGE ___
DIRECT PUSH ___
INJECTION ___
VAPOR EXTRACTION ___
SPARGING ___
REMEDIATION ___
OTHER (SPECIFY) ___

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER ___ (Ft.) BELOW SURFACE 1
DEPTH OF STATIC WATER LEVEL 37 (Ft.) & DATE MEASURED 8/11/2003
ESTIMATED YIELD 10 (GPM) & TEST TYPE Air Lift
TEST LENGTH 1 (Hrs.) TOTAL DRAWDOWN ___ (Ft.)
May not be representative of a well's long-term yield.

CASING (S)

DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0 – 25	11	✓				F-480 PVC	5	SDR 21	
25 – 125	11	Perf				F-480 PVC	5	SDR 21	.040

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft. to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0 – 23	✓			
23 – 125			✓	Monterey Mix

ATTACHMENTS (✓)

___ Geologic Log
___ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analysis
___ Other
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.
NAME FILIPPONI & THOMPSON DRILLING
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
ADDRESS P.O. BOX 845 CITY ATASCADERO STATE CA ZIP 93423
Signed [signature] WELL DRILLER/AUTHORIZED REPRESENTATIVE
DATE SIGNED 09/12/03
C-57 LICENSE NUMBER 432680

DWR 188 REV. 11-97

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

W N E S

WELL PERMIT PLOT PLAN

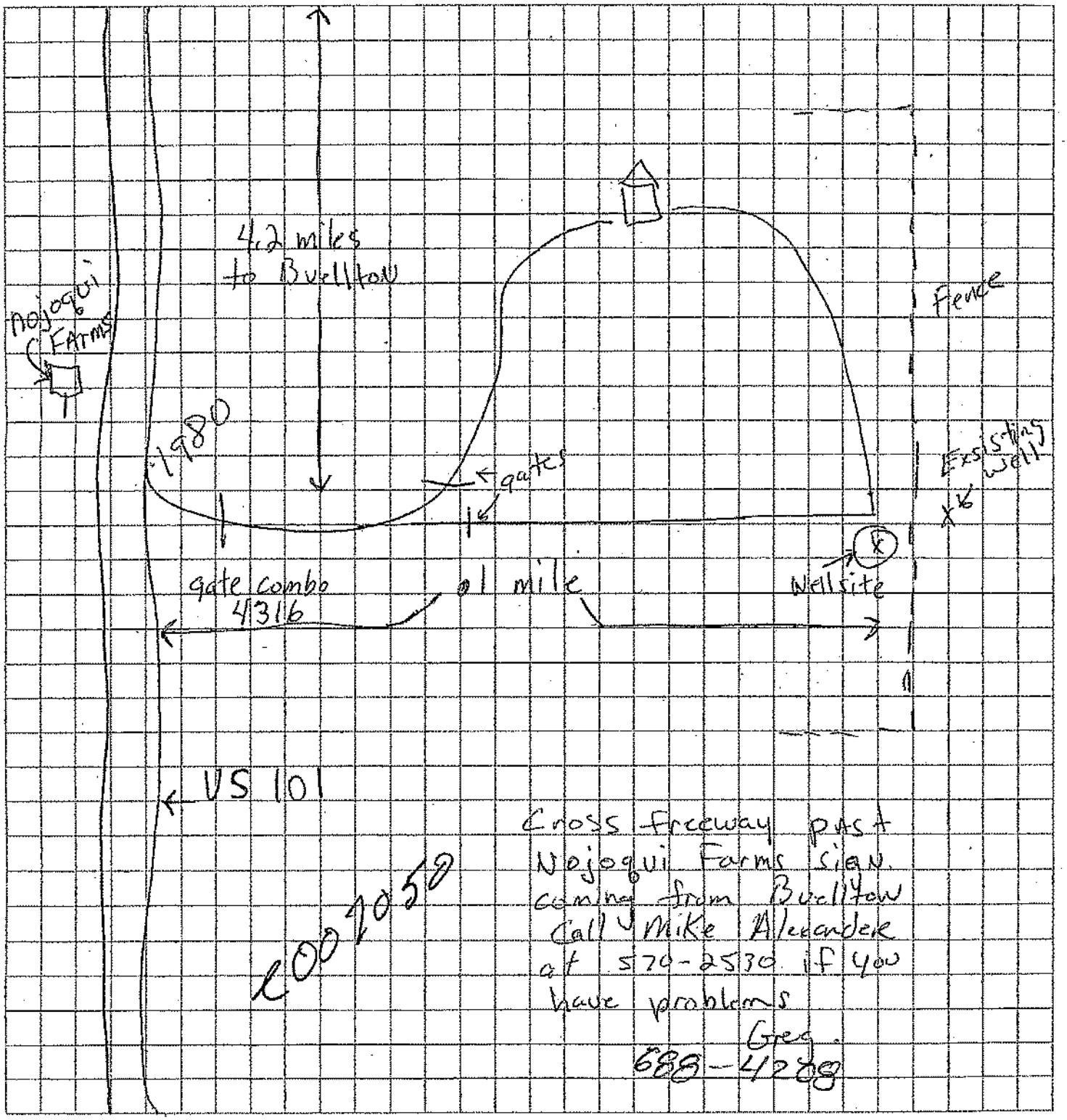
E0070S0

[redacted]

Tele[redacted]

SCALE: ¼" = 25'

INDICATE BELOW THE **EXACT LOCATION** OF PROPOSED WELL WITH RESPECT TO THE FOLLOWING ITEMS: PROPERTY LINES, WATER BODIES OR WATER COURSES, DRAINAGE PATTERN, ROADS, EXISTING WELLS, SEWERS AND PRIVATE SEWAGE DISPOSAL SYSTEMS AND ANY OTHER CONCENTRATED SOURCES OF POLLUTION. **INCLUDE DIMENSIONS.** ALL PROPOSED WELL SITES SHALL BE DESIGNATED WITH A FLAGGED SURVEYOR'S STAKE LABELED "WELL SITE." DRILLING SHALL NOT COMMENCE UNTIL THIS APPLICATION IS APPROVED.



E0070S0

PROBABLE LOCATION:

- WELLS # 80591 + 80592 ARE ABOUT 50' EAST OF THE LARGE CORRAL EAST OF THE BARN

- #80594 IS BETWEEN THE TWO BLUEBERRY FIELDS BUT WAS ABANDONED + REPLACED WITH A NEW WELL DRILLED NEAR IT IN ~~#~~ AUGUST 2003

- I DON'T HAVE ANY DOCUMENTS ON THE WELL WEST OF THE HOUSE (R)

G & C Water Well Drilling
& Pump Service Co.

- Pump Services
- We specialize in Large Diameter & Deep Holes!
- Air & Mud Drilling

James Gunn
Owner/Operator
Contractor Lic. #618446

(805) 735-5201

ATE
r's Copy

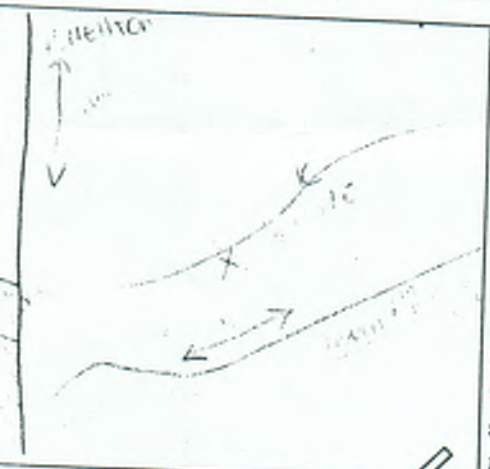
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in
No. 080591

Notice of Intent No.
Local Permit No. or Date 9437 10-1-90
State Well No.
Other Well No.

(1) OWNER: Name Aldo Cremoni
Address P.O. Box 305
City Cuellar Cr. Zip 93427

(2) LOCATION OF WELL (See instructions):
County Santa Barbara Owner's Well Number 3
Well address if different from above S. of Cuellar E. of Hwy 101
Township T6N Range R31W Section 31
Distance from cities, roads, railroads, fences, etc. 3/4 mile South of Cuellar. E. of 101 1/4 mile. 100 yards South of Creek 300 yds South of Barn



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well X Deepening
Reconstruction
Reconditioning
Horizontal Well
Destruction (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic
Irrigation X
Industrial
Test Well
Stock
Municipal
Other

(5) EQUIPMENT:
Rotary X Reverse
Cable Air
Other Bucket

(6) GRAVEL PACK: Yes X No Size #3 Sack
Diameter of bore 12 3/4
Packed from 50 to 150

(7) CASING INSTALLED: Steel Plastic X Concrete

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot
0	50	8	Sch 40	50	150	Factory 32/100 th

(8) PERFORATIONS: 32/100 full flow
Type of perforation or size of screen Factory Slotted

(9) WELL SEAL:
Was surface sanitary seal provided? Yes X No If yes, to depth 50 ft.
Were strata sealed against pollution? Yes No Interval ft.
Method of sealing Concrete pumper

(10) WATER LEVELS:
Depth of first water, if known 20 ft.
Standing level after well completion 20 ft.

(11) WELL TESTS:
Was well test made? Yes No If yes, by whom?
Type of test Pump Bailer Air lift
Depth to water at start of test ft. At end of test ft
Discharge gal/min after hours Water temperature
Chemical analysis made? Yes No If yes, by whom?
Was electric log made? Yes No If yes, attach copy to this report

(12) WELL LOG: Total depth 535 ft. Depth of completed well 150 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	10	clay + gravel
10	20	clay + gravel
20	30	hard + gravel
30	40	gravel
40	50	fine sand + shale
50	60	" "
60	70	" "
70	80	shale
80	90	shale
90	100	shale + sand
100	150	shale + sand

NOT USED FOR PUBLIC USE
NOT ON WATER CODE SEC. 13752

Work started NOV 1 19 90 Completed NOV. 20 19 90

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Signed
Name Gunn Water Well Drilling (Well Driller) (Person, firm, or corporation) (Typed or printed)
Address 4501 E. Hwy 246
City Lompoc, CA Zip 93436
License No. C57-580773 Date of this report 11-28-90

R 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Copy

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

11-27-90

Do not fill in

No. 080592

Notice of Intent No.

Local Permit No. or Date 9438 10-15-90

State Well No.

Other Well No.

(1) OWNER: Name Aldo Giannini
Address P.O. Box 305
City Buellton CA Zip 93427

(2) LOCATION OF WELL (See instructions):
County Santa Barbara Owner's Well Number 2
Well address if different from above
Township T6N Range R31W Section 31
Distance from cities, roads, railroads, fences, etc. ~~300 yds from~~ ~~garage 300 ft from old~~ ~~pump~~ 300 yds from garage past old pump 350 sec ft.

WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☒
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

(5) EQUIPMENT:
Rotary ☒ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size #6 Monterey
Diameter of bore 12 1/4
Packed from to ft.

(7) CASING INSTALLED:
Steel ☐ Plastic ☒ Concrete ☐

(8) PERFORATIONS: Factory Screen
Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	20	8"	sch. 40	20	300	.032

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 20 ft.
Were strata sealed against pollution? Yes ☐ No ☒ Interval ft.
Method of sealing concrete

(10) WATER LEVELS:
Depth of first water, if known unk. ft.
Standing level after well completion unk. ft.

(11) WELL TESTS:
Was test made? Yes ☒ No ☐ If yes, by whom? Driller
Type of test Pump ☒ Bailer ☐ Air lift ☐
Depth to water at start of test 40 ft. At end of test 120 ft.
Discharge 25 gal/min after 24 hours Water temperature UNK
Chemical analysis made? Yes ☐ No ☒ If yes, by whom?
Was electric log made? Yes ☐ No ☒ If yes, attach copy to this report

(12) WELL LOG: Total depth 310 ft. Depth of completed well 300 ft.

from ft. to ft.	Formation (Describe by color, character, size or material)
0 - 10	silt + clay
10 - 25	clay + boulders
25 - 50	blue shale
50 - 100	blue shale
100 - 300	blue shale

CONFIDENTIAL
NOT FOR PUBLIC USE
WATER CODE SEC. 13752

Work started 10-10 1990 Completed 11-10 1990

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED [signature] (Well Driller)

NAME G+M Water Well Drilling
(Person, firm, or corporation) (Typed or printed)
Address 4501 E. Hwy 246
City Lompoc CA Zip 93436
License No. C57-580773 Date of this report 11-27-90

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

[TR]IPLICATE
Owner's Copy

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in

No. 080594

Notice of Intent No. ____
Local Permit No. or Date 9439

State Well No. ____
Other Well No. ____

(1) OWNER: Name Aldo Gnenini
Address P.O. Box 305
City Buellton, CA Zip 93427

(2) LOCATION OF WELL (See instructions):
County Santa Barbara Owner's Well Number 4
Well address if different from above S. of Buellton 3½ miles
Township T6N Range R31W Section 31
Distance from cities, roads, railroads, fences, etc. 3½ miles S. of Buellton CA on Hwy 101. Just off Hwy on owners property in orchard

WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☒
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

(5) EQUIPMENT:
Rotary ☒ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size ____
Diameter of bore 12¼
Packed from 50 to 200 ft.

(7) CASING INSTALLED:
Steel ☐ Plastic ☒ Concrete ☐

From ft.	To ft.	Dia. in.	Gage or Wall
0	50	8	SCH 40 CL 200

(8) PERFORATIONS:
Type of perforation or size of screen .020 full flow

From ft.	To ft.	Slot size
50	200	.020 full flow screen

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 50 ft.
Were strata sealed against pollution? Yes ☐ No ☒ Interval ____
Method of sealing Concrete grout pumped

(10) WATER LEVELS:
Depth of first water, if known 17
Standing level after well completion 17 ft.

(11) WELL TESTS:
Was well test made? Yes ☒ No ☐ If yes, by whom? Driller
Type of test Pump ☒ Bailer ☐ Air lift ☐
Depth to water at start of test 20 ft. At end of test 35 ft
Discharge 95 gal/min after 24 hours Water temperature ____
Chemical analysis made? Yes ☐ No ☒ If yes, by whom? UNK
Was electric log made? Yes ☐ No ☒ If yes, attach copy to this report

(12) WELL LOG: Total depth 225 ft. Depth of completed well 200 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	10	Clay + silt sand
10	20	Clay + " "
20	30	gravel
30	40	"
40	50	"
50	60	gravel, sand
60	70	[illegible] sand + shale
70	80	fine sand + "
80	90	" " "
90	100	" " "
100	110	" " "
110	120	" " "
120	130	some sand mostly shale
130	140	" " "
140	150	Shale
150	170	Shale
170	180	Shale

Work started 11-15 19 90 Completed 11-28 19 90

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
SIGNED [signature] (Well Driller)
NAME G+M Water Well Drilling
(Person, firm, or corporation) (Typed or printed)
Address 4501 E. Hwy 246
City Lompoc CA Zip 93436
License No. C57 580773 Date of this report 11-29-90

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Santa Barbara County
PUBLIC Health
DEPARTMENT

Environmental Health Services

2125 S. Centerpointe Pkwy., #333 • Santa Maria, CA 93455-1340
805/346-8460 • FAX 805/346-8485
www.sbcphd.org/ehs

August 12, 2003

BETWEEN BLUEBERRY FIELDS; I THINK.

ROLLAND JACKS
1825 MISSION RIDGE RD
SANTA BARBARA CA 93103

Dear MR. JACKS

Subject: **Completion Report for Water Well Permit #SR0102892**
(Assessor's Parcel Number: 137-300-007)

This Department has reviewed the construction of the subject water well as related to the approval of the location of the well and the placement of the annular seal in the upper portion of the bore around the well casing. This work has been completed in conformity with the requirements of the Water Well Standards of the State Department of Water Resources, as adopted by the Santa Barbara County Water Well Ordinance.

If water from this well is intended to be utilized for domestic or drinking purposes, it will first be necessary to obtain a Water System Permit from this Department. The permit is required for any water system that will provide water to a dwelling unit or to any structure utilized for commercial or manufacturing purposes which requires potable water for human consumption or use.

Please contact the undersigned at the office indicated on this letterhead if you have any questions or if you need a Water System Permit Application and a copy of the instructions for completing the form and for providing the necessary specifications on the system.

Sincerely,

John D. Davies, R.E.H.S.
Environmental Health Specialist

PC: Assessor's Office

Santa Barbara County
PUBLIC Health
DEPARTMENT

Elliot Schulman, MD, MPH *Director/ Health Officer*
Michael D. Harris *Deputy Director*
Richard Merrifield, REHS *Director of Environmental Health*

Environmental Health Services

225 Camino Del Remedio • Santa Barbara, CA 93110
805/681-4900 • FAX 805/681-4901
2125 S. Centerpointe Pkwy. #333 • Santa Maria, CA 93455
805/346-8460 • FAX 805/346-8485

Keep

November 3, 2005

ON STATE PROPERTY NEAR FRONT FENCE

Rolland Jacks
1825 Mission Ridge
Santa Barbara CA 93103

Subject: **Completion Report for Water Well Permit # SR0104063**
(Assessor's Parcel Number: 137-300-007, 1980 Hwy 101, Buellton CA. 93427)

This Department has reviewed the construction of the subject water well as related to the approval of the location of the well and the placement of the annular seal in the upper portion of the bore around the well casing. This work has been completed in conformity with the requirements of the Water Well Standards of the State Department of Water Resources, as adopted by the Santa Barbara County Water Well Ordinance.

If water from this well, is intended to be utilized for domestic or drinking purposes it will first be necessary to obtain a Water System Permit from this Department. The permit is required for any water system that will provide water to a dwelling unit or to any structure utilized for commercial or manufacturing purposes, which require potable water for human consumption or use.

Please contact the undersigned at the office indicated on this letterhead if you have any questions or if you need a Water System Permit Application and a copy of the instructions for completing the form and for providing the necessary specifications on the system.

Sincerely,

John D. Davies, REHS
Environmental Health Specialist

PC: Assessor's Office

USGS 343420120112301 006N031W30E001S

Santa Barbara County, California
Hydrologic Unit Code 18060010
Latitude 34°34'20", Longitude 120°11'23" NAD27
Land-surface elevation 520.00 feet above NGVD29
The depth of the well is 98.0 feet below land surface.
The depth of the hole is 250 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

USGS 343358120115601 006N032W25Q001S

Santa Barbara County, California
Hydrologic Unit Code 18060010
Latitude 34°33'58", Longitude 120°11'56" NAD27
Land-surface elevation 860.00 feet above NGVD29
The depth of the well is 97.0 feet below land surface.
The depth of the hole is 98.0 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

ORIGINAL
File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION CONTROL BOARD No. 3
(Insert appropriate number)

WATER WELL DRILLERS REPORT
(Sections 7076, 7077, 7078, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA

Do Not Fill In
No 101177
State Well No. 06N/32W-36R01 S
Other Well No.

(1) OWNER:
Name [redacted]
Address

(2) LOCATION OF WELL:
County Santa Barbara Owner's number, if any—
R. F. D. or Street No. Approximately 4 miles south of Buellton on Hiway 101, ½ mile north and ½ mile west of intersection of Nojoqui Road

(3) TYPE OF WORK (check):
New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:
SINGLE ☒ DOUBLE ☐

				Gage or Wall
From 0 ft. to 37 ft.	8	Diam.	1/4	"
" 36 " 70 "	6	"	3/16	"

If gravel packed

Diameter of Bore	from ft.	to ft.
	"	"
	"	"
	"	"
	"	"
	"	"

Type and size of shoe or well ring
Size of gravel:
Describe joint butt weld

(7) PERFORATIONS:
Type of perforator used Mills knife

Size of perforations	1/4	in., length, by	3/8	in.
From 25 ft. to 28 ft.	4	Perf. per row	1	Rows per ft.
" 34 " 37 "	4	" " "	1	" " "
" 37 " 70 "	2	" " "	1/2	" " "
" " "		" " "		" " "
" " "		" " "		" " "

(8) CONSTRUCTION:
Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 12 ft.
Were any strata sealed against pollution? ☐ Yes ☒ No If yes, note depth of strata

From	ft. to	ft.
"	"	"

Method of Sealing

(9) WATER LEVELS:
Depth at which water was first found 17 ft.
Standing level before perforating ft.
Standing level after perforating 17 ft.

(10) WELL TESTS:
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. draw down after hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No
Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:
Total depth 70 ft. Depth of completed well ft.
Formation: Describe by color, character, size of material, and structure.

0 ft. to 8 ft.		Soil
8 " 17 "		Sandy yellow clay and gravel
17 " 19 "		Gravel
19 " 25 "		Yellow clay and gravel
25 " 28 "		Gravel
28 " 34 "		Sandy yellow clay and gravel
34 " 37 "		Gravel
37 " 70 "		Shale

CONFIDENTIAL - NOT FOR PUBLIC RELEASE

Work started 19 , Completed December 19 64

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Alexander Bros. (Person, firm, or corporation) (Typed or printed)
Address 415 East College Ave.
Lompoc, Calif.
[SIGNED] Robert M. Alexander (Well Driller)
License No. 20671 Dated 1/16/65, 19

CONFIDENTIAL Water Code Section 7076

DUPLICATE

File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION CONTROL BOARD No. 3

(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA

Do Not Fill In

Nº 101177

State Well No. 6N32W-36R1

Other Well No.

CONFIDENTIAL Section 70', 1, Water Code

(1) OWNER:

Name [redacted]

Address

(2) LOCATION OF WELL:

County Santa Barbara Owner's number, if any—

R. F. D. or Street No. Approximately 4 miles south of Sulfur on Hwy 101, ½ mile north and ½ mile west of intersection of Bojagd Road

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐

Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐

Cable ☒

Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐

From	ft. to	ft.	Diam.	Gage or Wall
0	37	8	4	
36	70	6	3/16	

Type and size of shoe or well ring

Describe joint Butt weld

If gravel packed

Diameter of Bore	from ft.	to ft.

Size of gravel:

775 feet north, 1000 feet west of SE corner of section 36, [USGS]

(7) PERFORATIONS:

Type of perforator used Mills knife

Size of perforations 1/8 in., length, by 3/8 in.

From	ft. to	ft.	Perf. per row	Rows per ft.
25	26	4	1	
34	37	4	1	
37	70	2	½	

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 12 ft.

Were any strata sealed against pollution? ☐ Yes ☒ No If yes, note depth of strata

From	ft. to	ft.

Method of Sealing

(9) WATER LEVELS:

Depth at which water was first found 17 ft.

Standing level before perforating ft.

Standing level after perforating 17 ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: gal./min. with ft. draw down after hrs.

Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth 70 ft. Depth of completed well ft.

Formation: *Describe by color, character, size of material, and structure.*

ft. to	ft.	
0	8	Soil
8	17	Sandy yellow clay and gravel
17	19	Gravel
19	25	Yellow clay and gravel
25	28	Gravel
28	34	Sandy yellow clay and gravel
34	37	Gravel
37	70	Shale

70.

CONFIDENTIAL - NOT FOR PUBLIC RELEASE

Work started 19 , Completed December 19 04

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Alexander Bros. (Person, firm, or corporation) (Typed or printed)

Address 415 West College Ave.

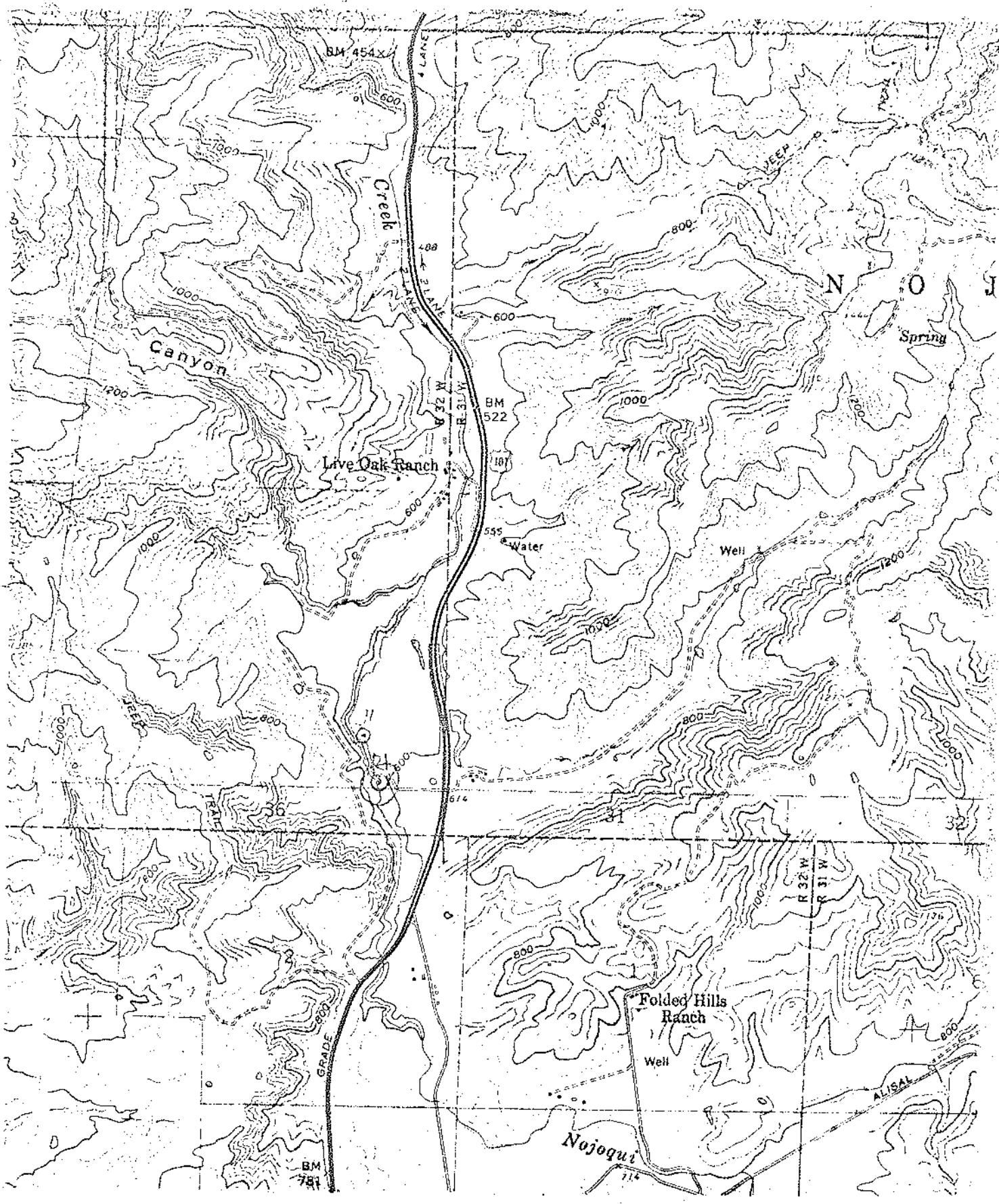
Lompoc, Calif.

[SIGNED] Robert W Alexander Well Driller

License No. 23671 Dated 2/10/05, 19

87649 5-62 25M QUIN ⓘ △ SPO

DWR 188 (REV. 3-54)


BM 454
Creek
Canyon
Live Oak Ranch
BM 522
Water
Well
Spring
Folded Hills Ranch
Well
Nojoqui
BM 781
ALISAL
GRADE
TRAIL
JEEP
R 32 W
R 31 W
36
31
32
600
800
1000
1200

Well Number 34, 37, 07 N 120, 11, 38

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD | Physiographic Province: PACIFIC BORDER | 2 A | Section: LOS ANGELES RANGES | G

Drainage Basin: SANTA YNEZ | 7 1 C | Subbasin: NOJOQUI

Topo of well site: local depression, flat surface, hilltop, hillside, (terrace), valley flat, NARROW T. | T

MAJOR AQUIFER: QUATERNARY RECENT | Q R | ALLUVIUM | 0 T
(system, series, aquifer, formation, group)

Lithology: UNCONSOL. SILT | U A | Origin: FLUVIAL | 2 | Aquifer Thickness: 37 ft

Length of well open to: 45 ft | Depth to top of: ___ ft

MINOR AQUIFER: ___ (system, series, aquifer, formation, group)

Lithology: ___ | Origin: ___ | Aquifer Thickness: ___ ft

Length of well open to: ___ ft | Depth to top of: ___ ft

Intervals Screened: 22-28 34-37-4/ROW-1/FOOT; 37-70-2/ROW-1/2/FOOT

Depth to consolidated rock: ___ ft | Source of data: ___

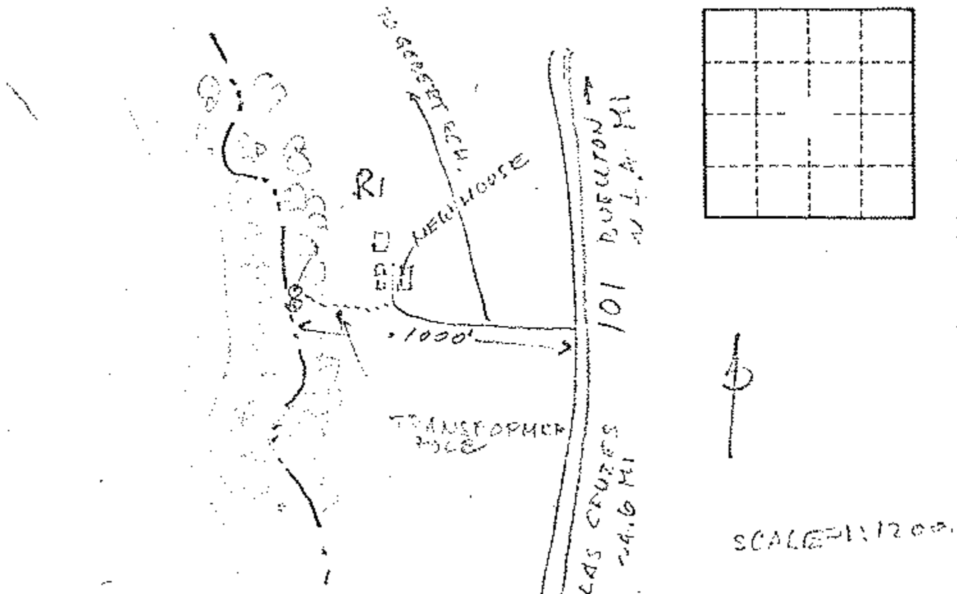
Depth to basement: ___ ft | Source of data: ___

Surficial material: ___ | Infiltration characteristics: ___

Coefficient Trans: ___ gpd/ft | Coefficient Storage: ___

Coefficient Perm: ___ gpd/ft^2; Spec cap: ___ gpm/ft; Number of geologic cards: ___

20' N OF IRRIG. P. IN OPEN ON NARROW RIVER TERRACE,



775 feet north, 1000 ... 36

WRD Exp. (CW)
Aug. 1964

NOT ... BASE ...

U. S. DEPARTMENT OF THE INTERIOR — GEOLOGICAL SURVEY

Water Resources Division Well Schedule Form

MASTER CARD

Rec. by ERNEST J. WIEDMANN | Source of data: D (Drl.) | Date: 8.16.65 | Map: SOLVANG

State: CALIF | 0 6 | County (or town): SANTA BARBARA

Latitude: 3 4 3 7 0 7 N | Longitude: 1 2 0 1 1 3 8 | Sequential number:

Lat-long accuracy: 1 | T 6 N, R 32 W, Sec 36, R1

Local well number: 0 6 N 0 3 2 W 3 6 R 0 1 | Other number: LOG 101171

Local use: [redacted]

Address: GAVIOTA, CAL.

Ownership: County, Fed Gov't, City, Corp or Co, (Private), State Agency, Water Dist | P

Use of water: Air cond, Comm, Dewatering, Fire, (Dom), Irr, Ind, P S, Stock, Instit, Unused | H

Use of well: Anode, Drain, Seismic, Obs, Oil-gas, Recharge, Spring, Test, Unused, (Withdraw), Waste, Destroyed | W

DATA AVAILABLE: Well data D | Freq. W/L meas.: DRILLER'S D | Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: ___ | Pumpage inventory: yes no, period:

Aperture cards:

Log data: DRILLER'S | D

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD | Depth well: 70 ft | 7 0 | Meas. (rept) DRILLER'S | 3 (accuracy)

Depth cased (first perf.): 70 ft | 7 0 | Casing type: STEEL; Diam. 6 in | 6

Finish: porous concrete, gravel w. (perf.), gravel w. (screen), horiz. gallery, open end, (perf.), screen, sd. pt., shored, open hole, other | P

Method Drilled: air rot., bored, (cable), dug, hyd rot., jetted, air percussion, reverse rotary, trenching, driven, drive wash, other | C

Date Drilled: DEC. 64 | D 6 4 | Pump intake setting: ___ ft

Driller: ALEXANDER BROS. (name) LOMPOC, CAL. (address)

Lift (type): air, bucket, cent, jet, multiple (cent.), multiple (turb.), none, piston, rot, (submerg), turb, other | S | Deep / Shallow D

Power (type): diesel, (elec), nat gas, gasoline, hand, LPG gas, wind; H.P. ___ | E | Trans. or meter no.

Descrip. MP: PLUG IN TOP SEAL 0.5 ft above lsd, Alt. MP 560.5

Alt. LSD: 560 | Accuracy (source): TOPO. INT. | 4

Water Level: 17 ft above / below MP; ft above / below lsd | 1 7 | Accuracy: DRILLER'S | 2

Date meas.: DEC. 64 | D 6 4 | Yield: ___ gpm | Method determined

Drawdown: ___ ft | Accuracy: ___ | Pumping period ___ hrs

QUALITY OF WATER DATA: Iron ___ ppm | Sulfate ___ ppm | Chloride ___ ppm | Hard. ___ ppm

Sp. Conduct ___ K x 10^6 | Temp. ___ °F | Date sampled

Taste, color, etc.

16117

USGS 343307120113801 006N032W36R001S

Santa Barbara County, California
Hydrologic Unit Code 18060010
Latitude 34°33'07", Longitude 120°11'38" NAD27
Land-surface elevation 560.00 feet above NGVD29
The depth of the well is 70.0 feet below land surface.
The depth of the hole is 70.0 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

ORIGINAL
File with DWR

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

Do Not Fill In

No 38479

State Well No. 6N/32W-36R02

Other Well No.

DEC 3 1969

(2) LOCATION OF WELL:

County Santa Barbara Owner's number, if any

Township, Range, and Section T6N R32W Section 24

Distance from cities, roads, railroads, etc. 25 feet west of well in report #38478

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐

Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐

Cable ☒

Other ☐

(6) CASING INSTALLED:

STEEL: ☒ OTHER:

SINGLE ☒ DOUBLE ☐

From ft.	To ft.	Diam.	Gage or Wall
0	47	8	¼
45	65	7	3/16

If gravel packed

Diameter of Bore	From ft.	To ft.

Size of shoe or well ring:

Size of gravel:

Describe joint butt weld

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen Mills knife

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
15	47	7	1	3/8 x 1½

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☐ No ☒ To what depth ft.

Were any strata sealed against pollution? Yes ☐ No ☒ If yes, note depth of strata

From ft. to ft.

From ft. to ft.

Method of sealing

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing 5 ft. 9 in.

(10) WELL TESTS:

Was pump test made? Yes ☐ No ☒ If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

Temperature of water Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

(11) WELL LOG:

Total depth 65 ft. Depth of completed well 68 ft.

Formation: *Describe by color, character, size of material, and structure*

from ft.	to ft.	formation
0	10	Soil and clay
10	15	Yellow clay and gravel
15	18	Gravel, some blue clay
18	25	Yellow clay and gravel
25	28	Gravel, some yellow clay
28	35	Yellow clay, some gravel
35	39	Blue shale
39	41	Hard blue shale
41	48	Blue shale
48	50	Hard blue shale
50	65	Blue shale

CONFIDENTIAL - NOT FOR PUBLIC RELEASE

Work started 19 , Completed Nov 1969

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Alexander Bros.
(Person, firm, or corporation) (*Typed or printed*)

Address 415 East College Ave.
Lompoc, Calif.

[SIGNED] Robert W. Alexander
(Well Driller)

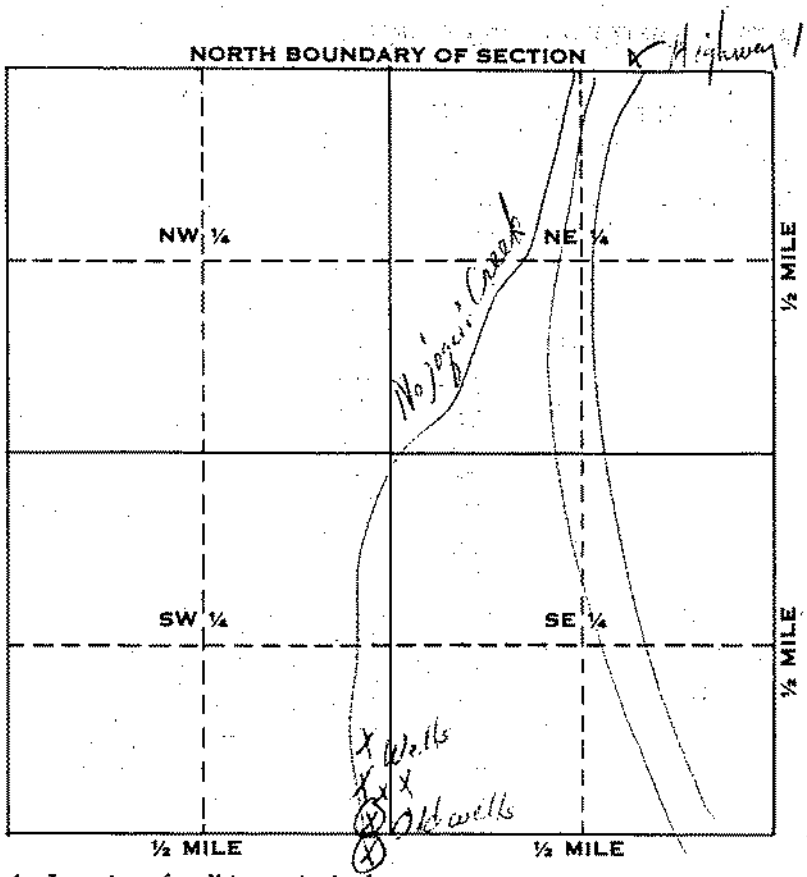
License No. 20647 Dated 11/30/69, 19

SKETCH LOCATION OF WELL ON REVERSE SIDE

56391-950 10-65 50M TRIP ① △ OSP

38479

WELL LOCATION SKETCH



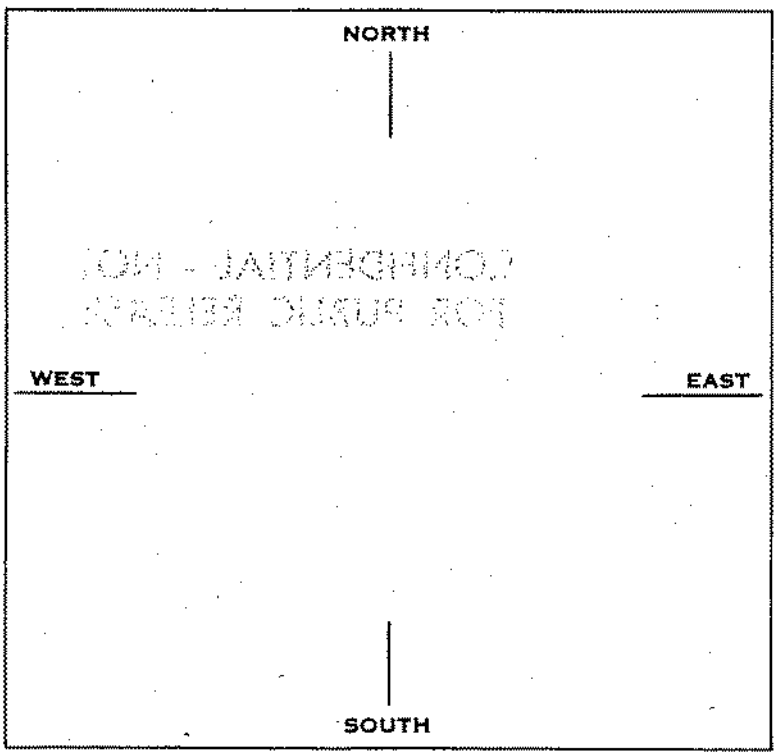
A. Location of well in sectionized areas.
Sketch roads, railroads, streams, or other features as necessary.

Township 6 N/S

Range 32 E/W

Section No. 24

950 ft N, 950 ft W of SE corner Section 36



B. Location of well in areas not sectionized.
Sketch roads, railroads, streams, or other features as necessary.
Indicate distances.

USGS 343309120113601 006N032W36R002S

Santa Barbara County, California
Hydrologic Unit Code 18060010
Latitude 34°33'09", Longitude 120°11'36" NAD27
Land-surface elevation 560.00 feet above NGVD29
The depth of the well is 47.0 feet below land surface.
The depth of the hole is 65.0 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

ORIGINAL
File with DWR

DEC 3 1969

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

Do Not Fill In

No 38478

State Well No. 6N/32W36J

Other Well No. -36R03

(2) LOCATION OF WELL:

County Santa Barbara Owner's number, if any

Township, Range, and Section T6N R32W Section 24

Distance from cities, roads, railroads, etc. South of Buellton, about ½ mile northwest of Highway101 and Nojoqui Rd

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐

Irrigation ☐ Test Well ☒ Other ☐

(5) EQUIPMENT:

Rotary ☐

Cable ☒

Other ☐

(6) CASING INSTALLED:

STEEL: OTHER:

SINGLE ☐ DOUBLE ☐

If gravel packed

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.

Size of shoe or well ring: Size of gravel:

Describe joint

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☐ No ☒ To what depth ft.

Were any strata sealed against pollution? Yes ☐ No ☒ If yes, note depth of strata

From ft. to ft.

From ft. to ft.

Method of sealing

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing ft.

(10) WELL TESTS:

Was pump test made? Yes ☐ No ☒ If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

Temperature of water Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

(11) WELL LOG:

Total depth 58 ft. Depth of completed well ft.

Formation: *Describe by color, character, size of material, and structure*

from ft.	to ft.	formation
0	4	Soil
4	16	Yellow clay
16	23	Yellow clay and gravel
23	25	Blue clay, some gravel
25	30	Gravel, some yellow clay
30	36	Yellow clay, some gravel
36	58	Blue shale

CONFIDENTIAL - NOT FOR PUBLIC RELEASE

Work started 19 , Completed Nov. 19 69

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Alexander Bros.
(Person, firm, or corporation) (*Typed or printed*)

Address 415 East College Ave.
Lompoc, Calif.

[SIGNED] Richard Alexander
(Well Driller)

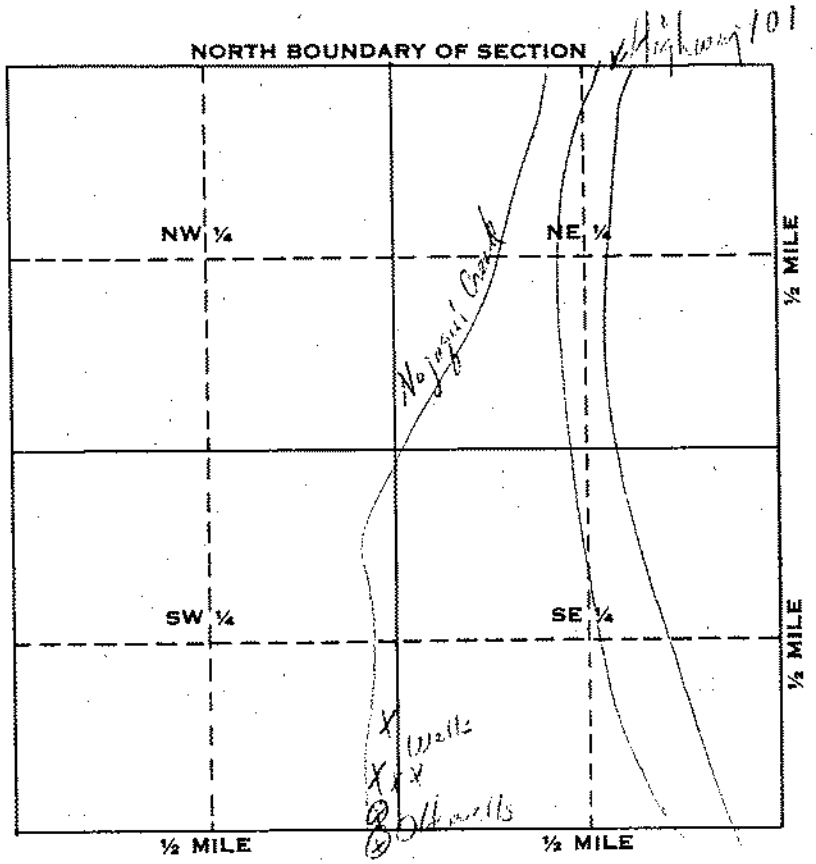
License No. 206471 Dated 11/30/69, 19

SKETCH LOCATION OF WELL ON REVERSE SIDE

88291-950 10-65 50M TRIP ① △ OSP

38478

WELL LOCATION SKETCH



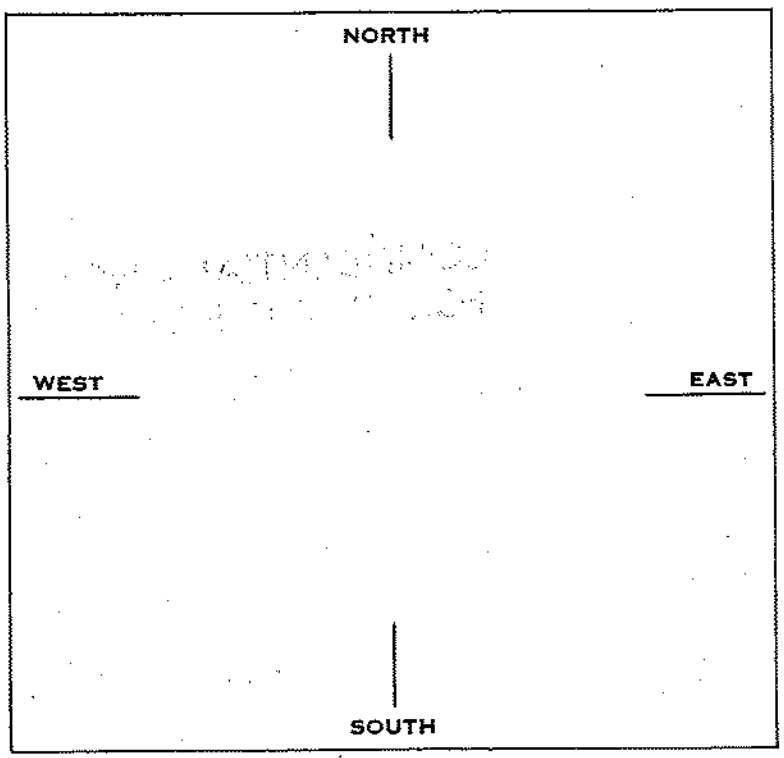
Township 6 N/S

Range 32 E/W

Section No. 24

950 ft north, 925 ft west of SE corner Section 36

A. Location of well in sectionized areas.
Sketch roads, railroads, streams, or other features as necessary.



B. Location of well in areas not sectionized.
Sketch roads, railroads, streams, or other features as necessary.
Indicate distances.

ORIGINAL
File with DWR

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

Do Not Fill In

No 38480

State Well No. 6N/32W-24

Other Well No. -36 R04

DEC 3 1969

(2) LOCATION OF WELL:

County Santa Barbara Owner's number, if any

Township, Range, and Section T6N R32W Section 24

Distance from cities, roads, railroads, etc. 150 feet north of well in report No 38479

(3) TYPE OF WORK *(check)*:

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE *(check)*:

Domestic ☐ Industrial ☐ Municipal ☐

Irrigation ☐ Test Well ☒ Other ☐

(5) EQUIPMENT:

Rotary ☐

Cable ☒

Other ☐

(6) CASING INSTALLED:

STEEL: OTHER:

SINGLE ☐ DOUBLE ☐

From ft.	To ft.	Diam.	Gage or Wall

If gravel packed

Diameter of Bore	From ft.	To ft.

Size of shoe or well ring:

Size of gravel:

Describe joint

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☐ No ☒ To what depth ft.

Were any strata sealed against pollution? Yes ☐ No ☒ If yes, note depth of strata

From ft. to ft.

From ft. to ft.

Method of sealing

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing ft.

(10) WELL TESTS:

Was pump test made? Yes ☐ No ☒ If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

Temperature of water Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

(11) WELL LOG:

Total depth 33 ft. Depth of completed well ft.

Formation: *Describe by color, character, size of material, and structure*

from ft.	to ft.	formation
0	4	Soil
4	12	Sandy brown clay
12	24	Gravel and brown clay
24	33	Blue shale

CONFIDENTIAL - NOT FOR PUBLIC RELEASE

Work started 19 , Completed Nov. 1969

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Alexander Bros.
(Person, firm, or corporation) *(Typed or printed)*

Address 415 East College Ave.
Lompoc, Calif.

[SIGNED] Robert M. Alexander
(Well Driller)

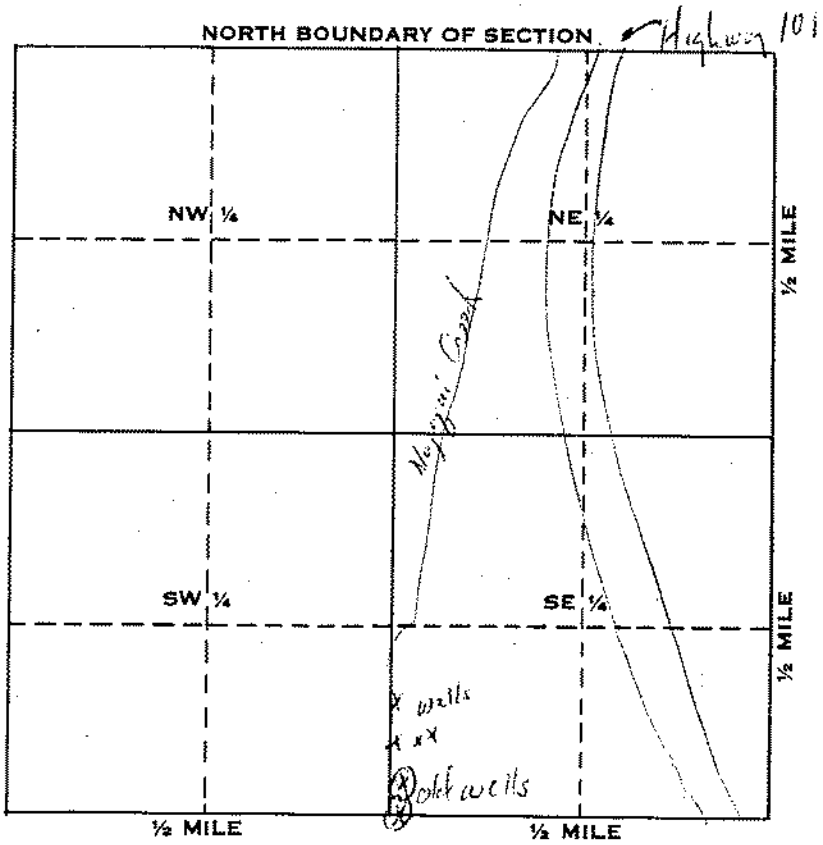
License No. 20647 Dated 11/30/69, 19

SKETCH LOCATION OF WELL ON REVERSE SIDE

86951-950 10-65 50M TRIP ⓘ △ OSP

38480

WELL LOCATION SKETCH



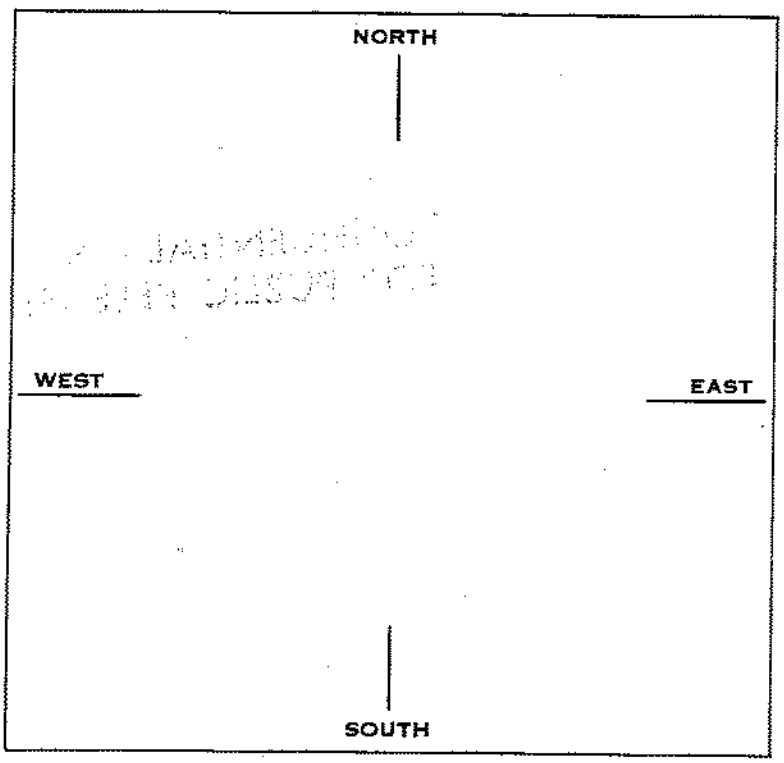
Township 6 N/S

Range 32 E/W

Section No. 24

1150 ft N, 1100 ft W of SE corner Section 36

A. Location of well in sectionized areas.
Sketch roads, railroads, streams, or other features as necessary.



B. Location of well in areas not sectionized.
Sketch roads, railroads, streams, or other features as necessary.
Indicate distances.

ORIGINAL
File with DWR

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

Do Not Fill In

No. 38481

State Well No. 6N/32W-36R5

Other Well No.

DEC 3 1969

(2) LOCATION OF WELL:

County Santa Barbara Owner's number, if any

Township, Range, and Section T6N R32W Section 24

Distance from cities, roads, railroads, etc. 75 feet south of well in report No. 38480

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐

Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐

Cable ☒

Other ☐

(6) CASING INSTALLED:

STEEL: ☒ OTHER:

SINGLE ☒ DOUBLE ☐

From ft.	To ft.	Diam.	Gage or Wall
0	26	10	¼

If gravel packed

Diameter of Bore	From ft.	To ft.

Size of shoe or well ring:

Size of gravel:

Describe joint butt weld

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen Mill Slots

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
2	26	5	4	3/16 x 2

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☐ No ☒ To what depth ft.

Were any strata sealed against pollution? Yes ☐ No ☒ If yes, note depth of strata

From ft. to ft.

From ft. to ft.

Method of sealing

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing 5 ft.

(10) WELL TESTS:

Was pump test made? Yes ☐ No ☒ If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

Temperature of water Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

(11) WELL LOG:

Total depth 30 ft. Depth of completed well 33 ft.

Formation: *Describe by color, character, size of material, and structure*

from	to	formation	ft.
0	2	Soil	
2	8	Gravel	
8	25	Gravel and brown clay	
25	30	Blue shale	

CONFIDENTIAL - NOT FOR PUBLIC RELEASE

Work started 19 , Completed Nov 19 69

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Alexander Bros.
(Person, firm, or corporation) (Typed or printed)

Address 415 East College Ave.
Lompoc, Calif.

[SIGNED] Robert M. Alexander
(Well Driller)

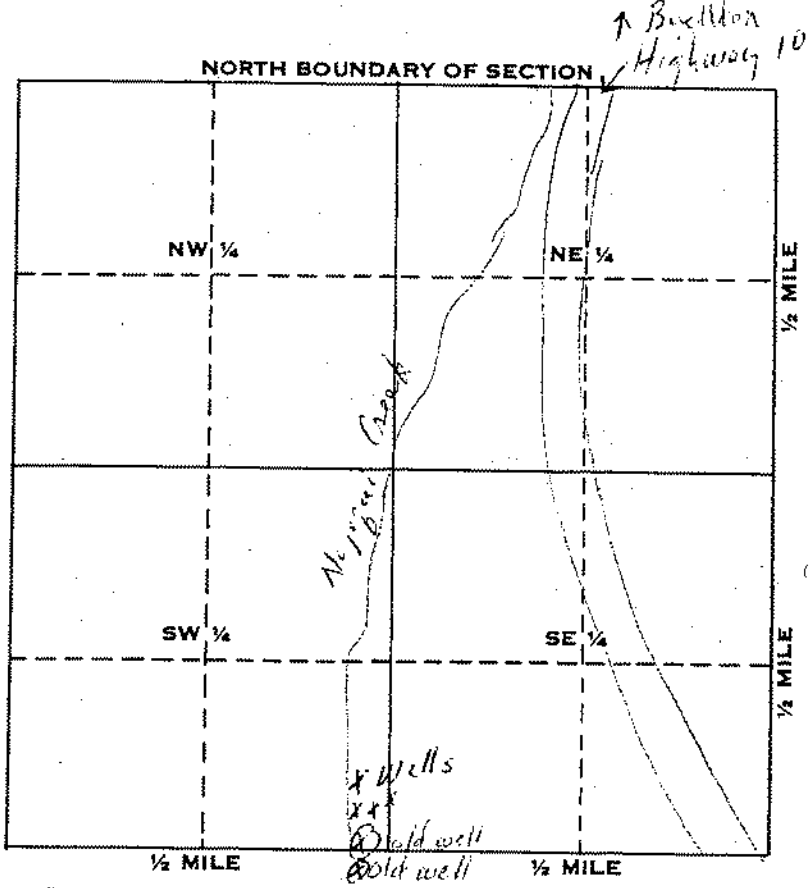
License No. 206471 Dated 11/30/69, 19

SKETCH LOCATION OF WELL ON REVERSE SIDE

56391-950 10-65 80M TRIP ① △ OSP

38481

WELL LOCATION SKETCH



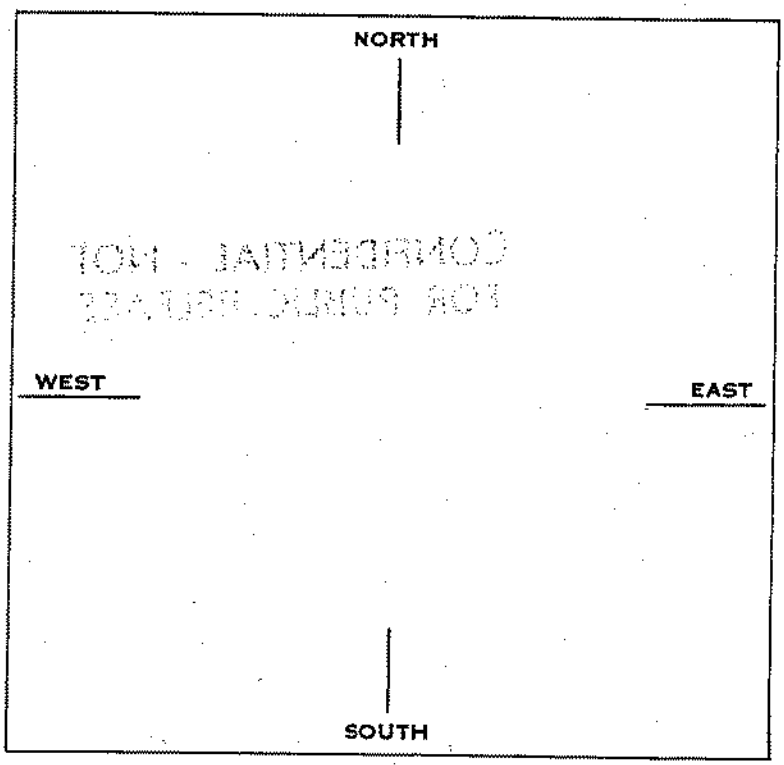
Township 6 N/S

Range 32 E/W

Section No. 24

1000 ft N, 1100 ft W of SE corner Section 36

A. Location of well in sectionized areas.
Sketch roads, railroads, streams, or other features as necessary.



B. Location of well in areas not sectionized.
Sketch roads, railroads, streams, or other features as necessary.
Indicate distances.

USGS 343309120113604 006N032W36R005S

Santa Barbara County, California
Hydrologic Unit Code 18060010
Latitude 34°33'09", Longitude 120°11'36" NAD27
Land-surface elevation 560.00 feet above NGVD29
The depth of the well is 26.0 feet below land surface.
The depth of the hole is 30.0 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

Cachuma Resource Conservation District
920 E. Stowell Rd. Santa Maria, CA 93454
(805) 868-4013

January 3, 2022

To Whom It May Concern:

At this time the Cachuma Resource Conservation District has not conducted any watershed studies in the Nojoqui Creek area. We are not aware of the status of the watershed nor the availability of water, groundwater or surface.

Sincerely,

Anna Olsen
Executive Director
Cachuma Resource Conservation District

#	Date	Name	Comments	District?
1	1/13/2022 17:38	Ruby T		
2	1/21/2022 2:28	Ed Seaman		
3	1/25/2022 23:23	SPAM	SPAM	
4	1/27/2022 15:49	Lake Francis Mutual Water Company		
5	2/4/2022 14:23	Esther Schmitt		
6	2/11/2022 22:28	Katie Hershfelt		
7	3/14/2022 18:23	Kevin Rodriguez		
8	3/24/2022 22:23	Andy Busch	The Nojoquoi Corridor is not the right place for Commercial Cannabis. It is a stunning place meant for families and ranchers.	
9	3/28/2022 16:49	Shay Seaman		2
10	3/28/2022 23:37	Sierra Falso	Ditto on Andy Busch's comment, we feel the same. "The Nojoquoi Corridor is not the right place for Commercial Cannabis." As a resident of the Nojoquoi Corridor I also believe there is not enough. water to support commercial cannabis grows and the surrounding agriculture.	-3
11	3/29/2022 6:14	Ericka Buckley	Recreational â€œcropsâ€ take substantial and precious resources away from the community just so people can get high. That is unacceptable. Fact: Private â€œlegalâ€ grows are driving the black market causing more cartel traffic on our coastline. Nothing good about this in any way. I donâ€™t want more drugs being produced in my town, my neighborhood already reeks to the point that I cannot open the house at the end of a hot day. Also, I donâ€™t want my kids being exposed to the normalization of drug use.	
12	4/5/2022 4:28	Kurtis S	Please protect our local watershed	
13	4/5/2022 18:37	daniel corry		
14	4/6/2022 14:59	Paul Metzner	Santa Barbara cannabis operations apparently have surpassed the Emerald Triangle of N California. While we have numerous cannabis farms consisting of thousands of acres, we have only 1 U Pick berry farm with limited acreage for tourists and locals alike, especially young school and preschool children who love the experience and wholesome farm to table fruits. Please donâ€™t burden this special place with the demands of heightened traffic, security, odor and particularly the watershed during Californiaâ€™s protracted drought.	
15	4/7/2022 17:54	Manny Ayala	Please, stop destroying our beautiful back Country. This, proposal if approved will most definitely have a negative impact in the quality of life for all..	
16	4/7/2022 23:32	Randy Jones	We ran completely out of water from a well that worked for 80 years during the last drought when Nojoqui Farms raised Vegitables up the Nojoqui Creek from the Pork Palace. We do not irrigate but do raise livestock. We cannot afford to truck in water like we had to do the last time the creek went dry because of the excessive pumping and drought.	3

17	4/9/2022 17:49	Marion Seaman		
18	4/10/2022 5:35	Jill Stassinos	Please save our local watershed!	1
19	4/12/2022 3:53	Julie Churchman	I live in Santa Barbara and enjoy the bucolic setting of the Nojoqui Corridor. Please keep it free of ugly cannibis greenhouses and smells.	
20	4/13/2022 3:42	Linda Laskin	Santa Barbara does not need more cannabis farms. The little bit of water we do have should be used for growing fruits, vegetables, and water for the cattle as well as the beautiful oaks in the Nojoquoi Corridor. Water is a precious commodity, don't waste it on cannabis!	2
21	4/13/2022 23:54	Hanh Calkins		
22	4/14/2022 15:15	Pat Roberts	Please ban the growing of cannabis in the Nojoqui Falls corridor	-3
23	4/14/2022 18:33	Jay S Hinkle	Iâ€™m opposed to using this land for the cultivation of cannabis	
24	4/15/2022 3:19	Mia McElwee		24
25	4/15/2022 4:56	Katie Lekas	Please donâ€™t take away the beauty of this area by ruin the at with cannabis, smell alone will devastate the area. My children love this area and you were going to ruinous foul stench of cannabis. Not only that but the type of people that it brings are typically completely unsafe to be around children.	
26	4/15/2022 17:46	Vanessa Furlong		24
27	4/15/2022 19:38	John Furlong	Keep cannabis out! I don't know what district I'm in for SB (Goleta).	
28	4/16/2022 3:56	Betty Seaman	Time to respect and restore watersheds no matter the crop. Letâ€™s stop abusing the little remaining resources before we end up in the same shape as Cuyama valley, and other mono crop disaster areas.	3
29	4/16/2022 22:34	Rosemarie Harrison		93111
30	4/19/2022 14:53	Camron Baker		
31	4/19/2022 14:58	Kevin Shrout		
32	4/19/2022 15:55	Renata Brillinger		
33	4/19/2022 19:12	Allegra Roth	Keep groundwater available for food production!	
34	4/21/2022 15:09	Denice Fellows	The Nojoqui FallS Corridor is small and quaint. The traffic, noise, and smell that it would bring is in direct conflict with the beauty in the area. Please vote no!	-2
35	4/21/2022 15:53	Connie J Margolen		
36	4/21/2022 16:33	April Bancroft		
37	4/21/2022 16:53	Stuart Halewood		1
38	4/22/2022 17:08	Jennifer Walsh		5
39	4/23/2022 1:12	Randy Davis		
40	4/23/2022 13:12	Loretta Redd	How much cannabis needs to be produced for one relatively small community? This is a tax grab by local politicians.	4
41	4/23/2022 13:53	Susan Trenschel		

42	4/23/2022 14:28	Marcia Pearson	Caifornia may be entering a period of sustained drought. Prudent planning would seem to dictate that water would best be used for the natural ecosystem and edible crops.	2
43	4/23/2022 14:45	Dianne Burns	Nojoqui is a jewel. Enuf weed farms already. Per Joni Mitchel; "you don't know what you got till it's gone."	
44	4/23/2022 15:38	Clarinda CONGER	BAN COMMERCIAL CANNABIS IN SANTA BARBARA'S BEAUTIFUL NOJOQUI FALLS CORRIDOR	1
45	4/23/2022 16:34	GLEN MOWRER		-2
46	4/23/2022 17:20	Darcy Sylvester		5
47	4/23/2022 17:37	Marsha Croninger		1
48	4/23/2022 20:04	Anna Marie Gott		2
49	4/23/2022 20:26	Stephen Ferry	I've been visiting the Nojoqui Falls Corridor for over 50 years. It would be a shame to see it degraded by cannabis operations. As a minimum, the total watershed capacity should be measured and evaluated before any additional agricultural operations are approved.	2
50	4/23/2022 21:24	Jane Avon		4
51	4/23/2022 21:40	RW Ziegler Jr		
52	4/23/2022 21:50	Lorna Moore		4
53	4/24/2022 13:19	Mary Turley		2
54	4/24/2022 13:50	Nancy Leonard		
55	4/24/2022 14:14	Bernice James		2
56	4/24/2022 14:31	Dennis Houghton	We must all work to maintain the natural beauty of our open spaces. Hoop houses used in cannabis cultivation are an eyesore and the operation depletes our limited groundwater.	2
57	4/24/2022 14:33	Joe Selzler		2
58	4/24/2022 14:44	Ruth Green		
59	4/24/2022 15:13	Barbara Hirsch	Water, water, ecosystems!	2
60	4/25/2022 0:22	Ami Kearns		2
61	4/25/2022 0:26	Abel basch		
62	4/25/2022 2:27	Kerstin Corson		2
63	4/25/2022 12:40	Diane Huntoon		11
64	4/25/2022 15:54	Terry Hankenson	I am opposed to the cultivation the marijuana in the Nojocqui Falls watershed. This area needs to be preserved.	160
65	4/25/2022 18:14	Richard Schoonmaker		-4
66	4/25/2022 18:37	Hib Halverson		-1
67	4/25/2022 21:30	Judith McCaffrey	Please ban cannabis in the Nojoqui Falls corridor! We donâ€™t need more cannabis in Santa Barbara county!!	2
68	4/26/2022 2:32	douglas trantow		

69	4/27/2022 20:21	Cristy Christie	We cannot sustain increased water use pressure. This precious resource needs to be committed to our food systems.	
70	4/30/2022 20:43	Catherine Perman	Please protect this precious area and its ecosystem.	
71	5/2/2022 16:19	Katherine Carbone	Let's use our water wisely not approve additional projects that we don't have the water to sustain	4
72	5/4/2022 11:40	Kimberly Lisi		24
73	5/17/2022 19:48	Carrie Elizabeth Eacker		
74	5/18/2022 14:19	Denise Diven		
75	5/19/2022 0:58	James Diven		
76	5/23/2022 3:16	Cassandra Kashanski		
77	5/30/2022 15:35	Rachael Siebenaler	Letâ€™s preserve the water we have! And keep these beautiful places from stinking!	
78	5/30/2022 15:38	Alan Siebenaler		1
79	6/1/2022 16:08	Pamela Dillon		
80	6/2/2022 16:19	Charles Pasquini		
81	6/3/2022 19:47	CAROL M MAHONEY		-4
82	6/3/2022 21:56	Colleen Severson	Letâ€™s grow food!	1
83	6/3/2022 22:03	Melanie Pearlman		
84	6/7/2022 1:56	Cathy Karol-Crowther		
85	6/7/2022 1:59	Jenna Watson		0
86	6/7/2022 1:59	Annette Ruano		
87	6/7/2022 2:00	Jill Bender		
88	6/7/2022 2:02	Judy Farris	We need regenerative agriculture and water conservation in this area	2
89	6/7/2022 2:04	Madeline Hain		
90	6/7/2022 2:04	Tara Fergusson		
91	6/7/2022 2:04	Maren Savignano	Would hate to see farmers negatively impacted by this. Love the blueberry farm and the wonderful and unique opportunity it gives kids and adults the chance to pick their own fruit. Not many places to do that anymore. Our farmers deserve all the help we can give them to survive and hopefully thrive in these turbulent times.	
92	6/7/2022 2:07	Kathryn Moser		93108
93	6/7/2022 2:07	Karen Field		2
94	6/7/2022 2:08	theodore a homeyer		0
95	6/7/2022 2:09	karen greinert		
96	6/7/2022 2:12	Michelle Robinson		
97	6/7/2022 2:14	Vittoria Cutbirth		3

98	6/7/2022 2:14	Landis Lynch	PLEASE BAN COMMERCIAL CANNABIS IN SANTA BARBARA'S BEAUTIFUL NOJOQUI FALLS CORRIDOR WHY? There are many good reasons. Start with water- without it, nothing else matters. REASONS TO BAN CANNABIS: -Increased Water Use and Decreasing Rainfall - Local Food Security -The Affect of Odor on The Corridor -Vehicle Traffic in The Corridor - Crime and Long-Term Business Viability -Property Values and Ecosystem Conservation Thank you very much.	
99	6/7/2022 2:22	Jeannette Root		
100	6/7/2022 2:24	Jessica Rainey	Keep some areas pristine and natural! Too many pot shops in Lompoc and making us want to leave the state!	
101	6/7/2022 2:24	Melissa Wall	Donâ€™t be ridiculous, we need real food to be able to grow in Santa Barbaraâ€™s Nojoqui Falls Corridor without the worry of commercial cannabis taking the precious limited water supply.	
102	6/7/2022 2:25	Michele Cohen	please preserve the area for dryland farming.	
103	6/7/2022 2:28	Terri Speier		
104	6/7/2022 2:28	Janina Oliphant		93427
105	6/7/2022 2:29	Kate Connell	Cannabis is a beneficial product but this is not the place for a pot farm! Please donâ€™t allow cannabis farms in the Nojoqui Falls Corridor!	1
106	6/7/2022 2:31	Jennifer herrera		
107	6/7/2022 2:35	Mike Longo	Iâ€™m not opposed to Cannabis in general, but this is just the wrong spot at the wrong timeâ€¦	
108	6/7/2022 2:40	Karen Peabody		0
109	6/7/2022 2:40	Kelly Hairrell		
110	6/7/2022 2:42	Nicole buell		2
111	6/7/2022 2:42	Hailey Hairrell		
112	6/7/2022 2:47	Christiana Hopper		3
113	6/7/2022 2:49	Lauren Andrews		
114	6/7/2022 2:49	Phil Carpenter		
115	6/7/2022 2:57	Deb Mason		
116	6/7/2022 3:01	Kymberly Barlow		
117	6/7/2022 3:02	Mike Thomson		93460
118	6/7/2022 3:03	Paul Costales	Skunk free bluberries	5
119	6/7/2022 3:04	Rebecca Murdy		
120	6/7/2022 3:05	Linda Jean Howard		1
121	6/7/2022 3:05	Kate Finlinson	We do not want this project anywhere near the Santa Ynez Valley.	24
122	6/7/2022 3:10	Sara C		3
123	6/7/2022 3:13	Carol Dahme	I donâ€™t actually live in Santa Barbara, but I am a member at the SB ZOO and visit the Falls snd the area around it frequently. Please donâ€™t force this Cannabis product cultivation in this fragile area.	

124	6/7/2022 3:15	Emmett Fahey		
125	6/7/2022 3:20	Teri Taft		
126	6/7/2022 3:20	Kelli Butler		0
127	6/7/2022 3:24	Linda Lieblang		
128	6/7/2022 3:24	Gerard Lieblang		
129	6/7/2022 3:26	Heather Blancho		24
130	6/7/2022 3:26	julie spencer rodgers		
131	6/7/2022 3:27	Kief Adler	Enough cannabis farms already!!!! There are WAY too many in SB county as it is. Stop it already. We don't have the water and don't want the smell and the taint from it.	
132	6/7/2022 3:31	Barbara M Howell		
133	6/7/2022 3:32	Gabriela Balfour-Ritchie		
134	6/7/2022 3:33	emily watkins		
135	6/7/2022 3:37	Nancy L		
136	6/7/2022 3:37	Darren Dean Potter		1
137	6/7/2022 3:40	Sarah		
138	6/7/2022 3:44	Ann M Ortiz	Don't allow or permit these stinky projects to be built in our 24th District to bring down our property values.	24
139	6/7/2022 3:45	ALBERTO ORTIZ	Stop the Cannibus projects	24
140	6/7/2022 3:52	Shannon Filburn	Food before marijuana and wine grapes. We donâ€™t have enough water for all of it!	
141	6/7/2022 4:01	Rhonda Coombes		
142	6/7/2022 4:08	Patty Hayes		
143	6/7/2022 4:18	Sabrina Barajas		
144	6/7/2022 4:19	Robert Texter	There are plenty of projects throughout the state I think one area without them would not hurt the state at all and I think because of the watershed and the needs of the people that are there already the projects should be banned	
145	6/7/2022 4:22	Anita La Fargo		
146	6/7/2022 4:23	Jamie Raye		
147	6/7/2022 4:24	Malisa Yee	Please ban commercial cannabis in Santa Barbara's Nojoqui Falls Corridor. Our family is concerned about the risk to the watershed and the environmental impact of having such a business in an ecologically sensitive area. Please do not approve the development of these large cannabis projects!	
148	6/7/2022 4:31	Courtnie Clegg		
149	6/7/2022 4:35	Jaelynne Lay		

150	6/7/2022 4:36	Gale Feldman	Most of CA is in the midst of a major drought. We have all been asked to cut our water usage significantly. To take resident efforts at conservation and offset that with large scale cannabis farming is ludacris. Cannabis farming requires a LOT of water either from stream diversion or wells. Well use by cannabis farms may contribute to long-term stream flow depletion. The current understanding of the interplay between well location, depth, and underlying geology on stream impacts is still in its infancy. Furthering understanding is not something that should be risked in the midst of historic drought. While some might argue that cannabis has minor medicinal benefit, it offers nothing that is crucial to survival - unlike farms that produce food. Please vote against allowing commercial cannabis farming in the Nojoqui Falls Corridor. (Personally I think the farms should be banned in all of California. Other states that aren't in the midst of drought are far better situated for optimal growing.)	
151	6/7/2022 4:41	Joan Schumacher	Ban cannibis!	
152	6/7/2022 4:46	Laura Putnam		
153	6/7/2022 4:48	Joe Howell		
154	6/7/2022 4:48	Tammy Gerenser	Just say NO. Enough is enough. Don't waste precious water on cannibis and don't ruin the beautiful valley.	2
155	6/7/2022 4:50	Christina Teich		2
156	6/7/2022 4:58	Carole MacKenzie		
157	6/7/2022 5:03	Mona Harnish	I am not against Cannabis, I make brownies with the leaves- but the farms do not need to be everywhere. One reason is the smell, another the water.	-2
158	6/7/2022 5:20	Alexa Fitch		
159	6/7/2022 5:59	Christopher Flacke	The points made in the petition about the unique qualities of the Nojoqui Falls corridor and its absolute unsuitability for water-intensive cultivation of cannabis (or any other crop) seems well-founded to me.	
160	6/7/2022 6:06	Anne Thomas		
161	6/7/2022 7:24	Tom		
162	6/7/2022 7:34	Carole Fong		
163	6/7/2022 7:43	Edna Lacuesta		
164	6/7/2022 8:11	David Fong	Please ban industrial cannablis in the Nojoqui Falls Corridor! It will negatively affect the area in so many way--water use in an already stressed supply, odor of the plants, increased traffic, and the ruination of traditional farming.	0
165	6/7/2022 8:28	Taylor Demarest		
166	6/7/2022 12:38	victoria magnanimo		
167	6/7/2022 13:32	Stephanie M Foster		93455
168	6/7/2022 13:35	Benjamin Curaza	I AGREE with this PETITION.	2
169	6/7/2022 13:39	Lisa Barrios		

170	6/7/2022 13:42	Douglas Cummings	The drought means no cannabis farms. There isn't going to be more water in the future there will be less.	
171	6/7/2022 14:02	Eric eacker		
172	6/7/2022 14:02	Sylvia Castellanos		91342
173	6/7/2022 14:18	Deidre King	The changing climate and importance of water is reason alone to keep cannabis farms out of this area.	
174	6/7/2022 14:19	Andrew Yee	The value of farms like the u-pick blueberry site to families like mine is of greater value than a cannabis farm. Plus the value to the local community for preserving the ecosystem is far greater. I oppose the development of cannabis farming in that region.	
175	6/7/2022 14:31	Scott Hampton		
176	6/7/2022 15:05	Malinda Putnam	Keep area pristine.	3
177	6/7/2022 15:06	Scott Putnam	Keep area pristine.	3
178	6/7/2022 15:14	Virginia Nixon	Ban large canibis farms near Noji Falls	93111
179	6/7/2022 15:45	T Kelley	No weed in the valley!	3
180	6/7/2022 15:45	Kori Wadsworth		
181	6/7/2022 16:24	Kristine Brouillet		93427
182	6/7/2022 16:44	Hilary N Steves	I use CBD products and am not opposed to marijuana. But our valley has plenty growing farms already, and I don't think we need more in this particular area.	93436
183	6/7/2022 17:06	Christine Hammer	No longer live in CA, but when we lived in Nipomo, we loved to go down to Blueberry fields and get the wonderful berries. The area is so breathtaking beautiful, why do we have to spoil it with this type of farming.	
184	6/7/2022 17:34	Jessica Carpenter		
185	6/7/2022 17:53	Sue Scaduto	No more cannabis farms in SB.	2
186	6/7/2022 18:47	Olga Requenez		
187	6/7/2022 19:06	John Thompson		
188	6/7/2022 19:16	Michael J Gerenser		2
189	6/7/2022 20:03	David Cassidy		
190	6/7/2022 20:14	Debbie Foster	I studied California Water in college you CANNOT afford to use water anymore for frivolous projects, like another cannabis farm. SAVE BLUEBERRIES!	
191	6/7/2022 20:56	Sara McInerney		
192	6/7/2022 21:19	Laura		92084
193	6/7/2022 21:50	D Yamamoto		
194	6/7/2022 22:04	Denise Dee Williams	There are ENOUGH cannabis farms already!	
195	6/7/2022 22:19	Michelle Neal		
196	6/7/2022 22:30	Terry Holland		2
197	6/8/2022 0:04	Susanne Hammel-Sawyer	Please protect this most beautiful part of the county from cannabis farms!	-2

198	6/8/2022 0:44	MARIA SOCORRO A DREES	Sooooo against growing cannabis at a huge commercial scale in Santa Barbara's beautiful Nojoqui Falls Corridor!	
199	6/8/2022 1:16	Martha Santana		
200	6/8/2022 2:16	RL Fletcher	Terrible location. Needs too much water!!!	
201	6/8/2022 2:18	Shirl Fletcher	Cannabis should not be grown in this area. Pesticides are bad for all things currently living here and furthermore, there is not enough water. Thank you.	
202	6/8/2022 4:43	Lucas Natalini		
203	6/8/2022 7:18	Liz Muench		
204	6/8/2022 15:00	Christina Dalmas		
205	6/8/2022 15:31	Kathy Neely	Conserving water should be a priority.	8
206	6/8/2022 16:15	Kelly Streeton		2
207	6/8/2022 16:53	S Silva		
208	6/8/2022 19:02	Rosanna Montes-Figueroa	There are plenty of Cannabis farms in California stop squeezing out much needed food supply for Californians and United States im sick and tired of getting products from Mexico, China because we keep pushing out small business especially for pot farms , our farms don't get enough water to water their crops and it seams cannabis farms is having no problem getting water and a lot of time they are stealing it politicians have their priority's sucked up	
209	6/8/2022 22:10	Becky		
210	6/9/2022 1:31	Joan Barnett		24
211	6/9/2022 5:03	Louise Webb	This is NOT the place to expand cannabis growing. It uses too much water and will harm the farms in the area that grow food. Good healthful food is much more important than cannabis. Please think of our health, the health of our planet and the farms that are already in that area. Please BAN CANNABIS growing in this area.	
212	6/9/2022 5:06	Elizabeth Teare	Preserving water resources is vital...	2
213	6/9/2022 14:06	Alexis Donkin		
214	6/9/2022 14:33	Darlene Krohn		37
215	6/9/2022 16:57	Kathleen A Hunt		2
216	6/10/2022 1:05	Joan Schneider		
217	6/10/2022 17:12	JOSEPH CHESTER		
218	6/10/2022 20:46	Laurie McGill		
219	6/11/2022 19:22	Sharon Robinson		
220	6/12/2022 17:19	Karin Baty		3
221	6/12/2022 23:32	Ashley Mahoney		
222	6/12/2022 23:52	Cynthia Diane Guggia		24
223	6/13/2022 0:38	Lana		
224	6/13/2022 0:43	Chad Enos		5

225	6/13/2022 0:45	Sarah Enos		5
226	6/13/2022 2:57	Ami P		
227	6/13/2022 5:21	Judy I Paulson	NO TO POT	5
228	6/13/2022 5:22	Ronald Walter Dewey	No on Pot	5
229	6/13/2022 16:19	Natalie Mahoney		4
230	6/13/2022 16:37	LAURA E PASSMORE	SUPPORT LOCAL GROWERS FOR FOOD FOR ALL! NOT MIND ALTERING DRUGS FOR A FEW.	4
231	6/13/2022 18:52	Heather Jones	There are plenty of other places to grow. Please don't allow it here.	
232	6/14/2022 6:28	Fong Trinh	I love Santa Barbara Blueberries! Would hate to be smelling cannabis during berry season which	0
233	6/14/2022 13:19	Lisa ONeil	Thereâ€™s already enough marijuana farms	
234	6/14/2022 13:56	John Schumacher		0
235	6/14/2022 22:39	Sophia Wolczko		
236	6/16/2022 20:36	Melinda Wirthlin		
237	6/20/2022 20:28	Shari Phelps		93460
238	6/23/2022 13:13	Ramon Cloud	We are in an obvious and severe drought cycle. That alone should be enough to not expand use of the watershed. Oppose approval of any new grows of any type in Nojoqui Region. Ray & Debi Cloud Santa Maria CA	
239	6/25/2022 15:25	Mendy Dearborn		
240	6/25/2022 16:35	Suzie Clary	Grow agave and mesquite farms for farm animal feed instead. It's designed for low water use.	24
241	6/25/2022 16:49	Patricia Gonzalez		1
242	6/26/2022 2:01	Denise Lesmeister	Do NOT ruin our beautiful areas. This area cannot sustain a big grow like these and the quality of life will be affected for so many in the area, and the smell will be overpowering. While I don't oppose growing or using cannabis, this is not the area for it.	18
243	6/26/2022 23:04	Susan Maroney		
244	6/28/2022 20:18	Beryl Ann DeCoste		
245	6/30/2022 19:17	Nick Busch		3
246	7/12/2022 20:29	Carol Hatley	We own a small vineyard on Santa Rosa Road in Buellton. The hoop houses are a blight on the landscape and the stench from the cannabis is overwhelming.	
247	7/18/2022 19:43	Debby Jones		
248	7/22/2022 14:12	Diane Nunes		
249	7/30/2022 3:40	Nate Irwin		
250	7/30/2022 3:53	Debra Keys-Thomas	Stop this project. And all projects like it	2
251	7/30/2022 6:03	Karla Mora		
252	7/31/2022 4:25	michael schmitt		
253	8/1/2022 1:21	Lynn luft		

254	8/1/2022 1:47	Michael Irwin		
255	8/1/2022 3:28	Rashelle E Wedgwood		

Vosburg, Alia

From: Boland-Brien, Samuel@Waterboards <Samuel.Boland-Brien@waterboards.ca.gov>
Sent: Thursday, April 7, 2022 9:47 AM
To: Dargel, Joseph
Cc: Vosburg, Alia; Dutton, Philip@Waterboards
Subject: RE: SB County and State Water Board Discussion

Hi Joe,

That is an accurate and well-put summary of our discussion. I would add that our online database includes Statements of Diversion and Use, which are claims filed by water users. Those claims have not been affirmed by the State Water Board as surface water diversions. So, I would limit your second paragraph to water right permits, licenses, or registrations identified in our online database.

Also copied on this email is Philip Dutton, who oversees the Division of Water Rights' Registration Program.

Sam

From: Dargel, Joseph <jdargel@countyofsb.org>
Sent: Thursday, April 7, 2022 9:38 AM
To: Boland-Brien, Samuel@Waterboards <Samuel.Boland-Brien@waterboards.ca.gov>
Cc: Vosburg, Alia <avosburg@countyofsb.org>
Subject: RE: SB County and State Water Board Discussion

Hi Samuel,

I'm following up our meeting from last month and wanted to thank you for taking the time to chat with us. As discussed, we understand that SWRCB Water Rights Division does not wish to review all cannabis applications submitted to the County of Santa Barbara. We also understand from that discussion, that when a cannabis applicant utilizes a water well as a water source, the State presumes that the water is percolating groundwater, unless a specific determination has been previously made by the SWRCB's Board or a court.

We also discussed that there is no formal determination from the Water Board, or a court, regarding the Santa Ynez River, and therefore, wells nearby the River can be presumed to be using groundwater unless specifically identified on the Water Board's online database as a surface water diverter.

Could you please confirm that I've summarized this accurately? Thanks again – hope all is well with you.

Joe

Joseph Dargel, PG
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-----Original Appointment-----
From: Dargel, Joseph
Sent: Tuesday, March 8, 2022 10:10 AM
To: Dargel, Joseph; Stork, Natalie@Waterboards; Boland-Brien, Samuel@Waterboards; Leyva, Petra; Lehr, Kathryn; Seawards, Travis
Cc: Hackett, Caroline@Waterboards
Subject: SB County and State Water Board Discussion
When: Tuesday, March 15, 2022 3:30 PM-4:00 PM (UTC-08:00) Pacific Time (US & Canada).
Where: Microsoft Teams Meeting

Microsoft Teams meeting

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