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WATER SOURCE & WATER DEMAND (Revised)
NOJOQUI FARM CANNABIS PROJECT
1889 S. Highway 101, Buellton, CA
JUNE, 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, including the well testing, pump testing curves and downhole pump specifications, 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 SBCEHS hydrology report is available if needed from Santa Barbara County EHS.

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. After recent discussion with the former water master for the Nojoqui Farm, it was determined that the Main Well was utilized for irrigation on both the Nojoqui Farm parcel (APN 083-430-014) and the Moonshine Canyon parcel (083-430-031). The total amount of irrigated acreage from 1992 to 2017 varied from 40 acres to 50 acres; 25-28 acres on the primary parcel (APN 083-430-014) and 15-20 acres on the adjacent parcel (APN 083-430-031). The average acreage farmed on the Nojoqui parcel was 28 acres and 15 acres on the Moonshine parcel. However, in the last 10+ years these parcels were only farmed together in years 2010 through 2012. From 2013 through 2020 only the main Nojoqui parcel was farmed. A water consumption chart was prepared that covers 2010 through 2021 in order to determine the water use for only the Nojoqui parcel (APN 083-430-014). **The 10 year average equaled 51.5 acre-feet per year (AFY). The Nojoqui Farm water consumption varied from 1.62 acre-feet per acre (AF/AC) to 3.26 AF/Ac during this time frame. If one eliminates the no farm/no data years, then the 10 year average is 63.3 AFY**

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.

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. The recently presented water demand for the CCA project on Santa Rosa Rd. to the Board of Supervisors revealed a demand

Nojoqui Water Consumption Chart

Year	Total AF Pumped	Total Acres Irrigated	Water Use AF / AC	Nojoqui* Net Water Use AF / AC	Nojoqui Net Water Use AFY
2010	114.9	43	2.67	1.74	48.7
2011	164.7	43	3.83	2.49	69.7
2012	121	43	2.81	1.83	100.0
2013	45.3 (a)	28	1.62	1.62	45.3
2014	No Data	N/A	N/A	N/A	N/A
2015	91.2	28	3.26	3.26	91.2
2016	69.8	28	2.49	2.49	69.8
2017	50 (b)	20+	2.50	2.50	50.0
2018	50 (b)	20+	2.50	2.50	50.0
2019	No Crop		N/A	N/A	N/A
2020	9 (c)	5	1.90	1.90	9.00
2021	No Crop		N/A	N/A	N/A
10 Year Average	70.7 AFY		2.17 AF / AC	1.84 AF / AC**	51.5 AFY

Nojoqui Parcel - 53 ACs Total; 28 ACs Farmed
Moonshine Parcel - 33 ACs Total; 15 ACs Farmed

(a) Only six months of irrigation
(b) Estimated water pumped from water consumption factor for oat hay (2.5 AF / AC)
(c) Estimated water from water consumption factor for hemp (1.9 AF / AC)

* Nojoqui Parcel = 65% of total when both parcels farmed
** Eliminating no data / no farming years AF/AC = 2.26 or 63.3 AFY

factor of approximately 0.50 AFY/AC for two crop cycles or 0.25 AFY/AC per cycle. This project is growing in-ground, similar to the Nojoqui project. This data was based on accurate water metering and recordkeeping and also involved the use of state-of-the-art drip irrigation and mulching for in-ground cultivation. Additionally, a second project also on Santa Rosa Rd., where Katherman Exploration Co. is the hydrologist, has hard data over the last three years of growing cannabis both in-ground and in pots. This data indicates a demand factor of 0.6 – 0.7 AFY/AC again for two crop cycles or 0.3-0.35 AFY/AC per cycle. Consequently, in order to be conservative with a water use estimate for Nojoqui Farm, **the proposed Nojoqui water demand will be 1.2 AFY/AC for three crop cycles or 0.40 AFY/AC per cycle.**

As was mentioned in the original report from March 2022, it critical to understand the soil conditions on Nojoqui Farm and the moisture retention properties that allow a less frequent irrigation schedule for farming; and therefore a lower water demand per acre without the use of 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.

From the recent adjustments in total acreage under cultivation listed in the project description the total net acres is now 21.87 acres. All of the cultivation will be under hoops. Therefore, the total water consumption for the cannabis cultivation is 26.24 acre-feet per year (21.87 Ac x 1.2 Af/Ac). Along with the estimated water demand for the landscaping of 0.2 AFY and the projected domestic usage of 0.2 AFY, **the total project water demand stands at 26.64 AFY. Consequently, this projected demand for the main Nojoqui parcel (APN 083-430-014) is approximately 50% of the historical water consumption (51.5 AFY) over the last 10 years.**

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 or backup wells (40-50 gpm) will provide a more than adequate supply of water to meet the estimated project water demand of 26.6 AFY. In fact the capacity of the Main Well alone is sufficient to meet water demand for the proposed three crop cycles per year.

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 50% lower than the recent historical averages for the Nojoqui Property. If the water demand from the years of no farming and no data then the project demand is 60% lower than the historic use.

This report was prepared by Katherman Exploration Co., LLC

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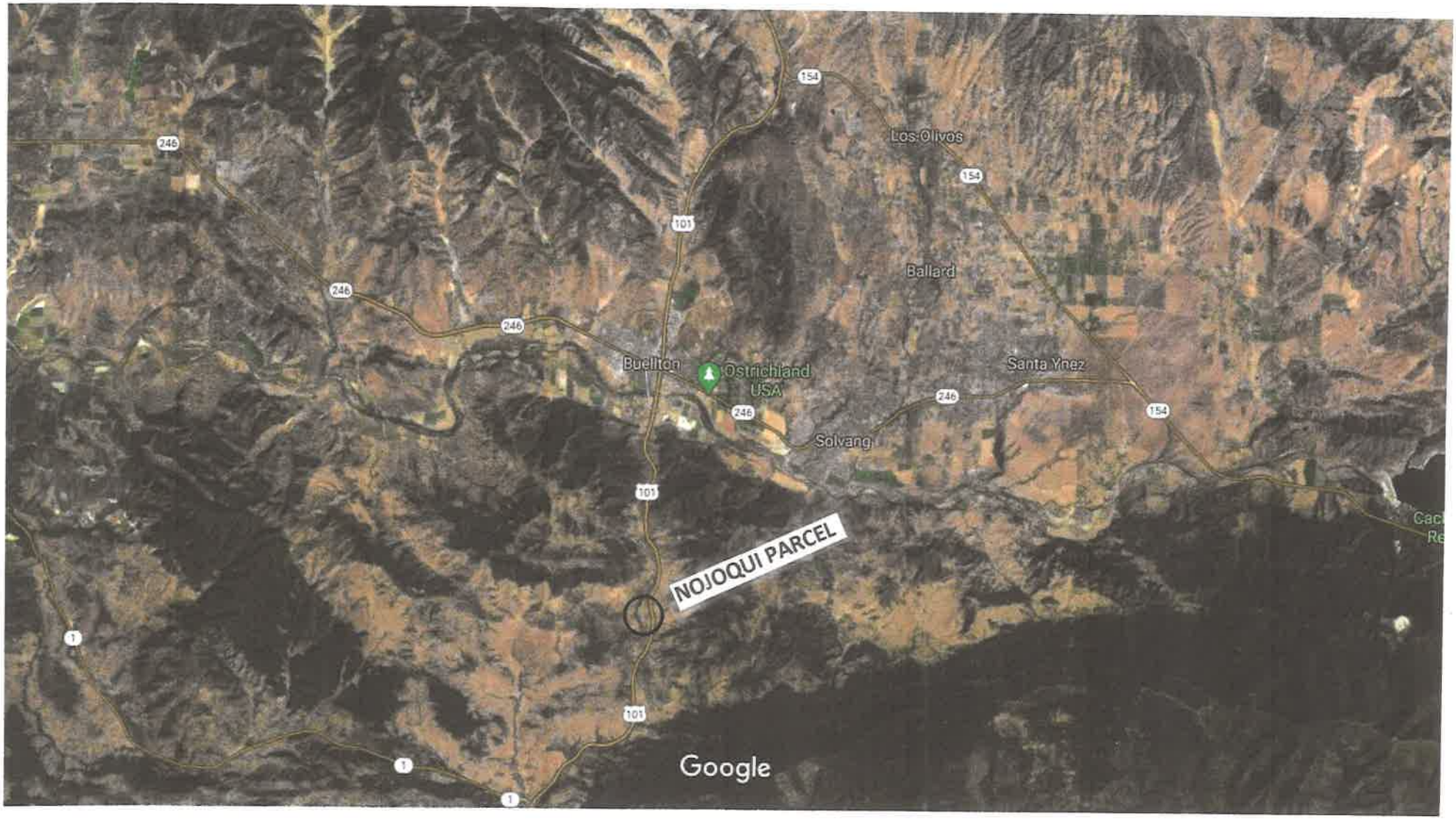
ProjectWaterSource&Demand_NojoquiFarm_Revised_June2022

NOJOQUI REPORT

FIGURES

Santa Barbara



Imagery ©2021 TerraMetrics, Map data ©2021 2 mi

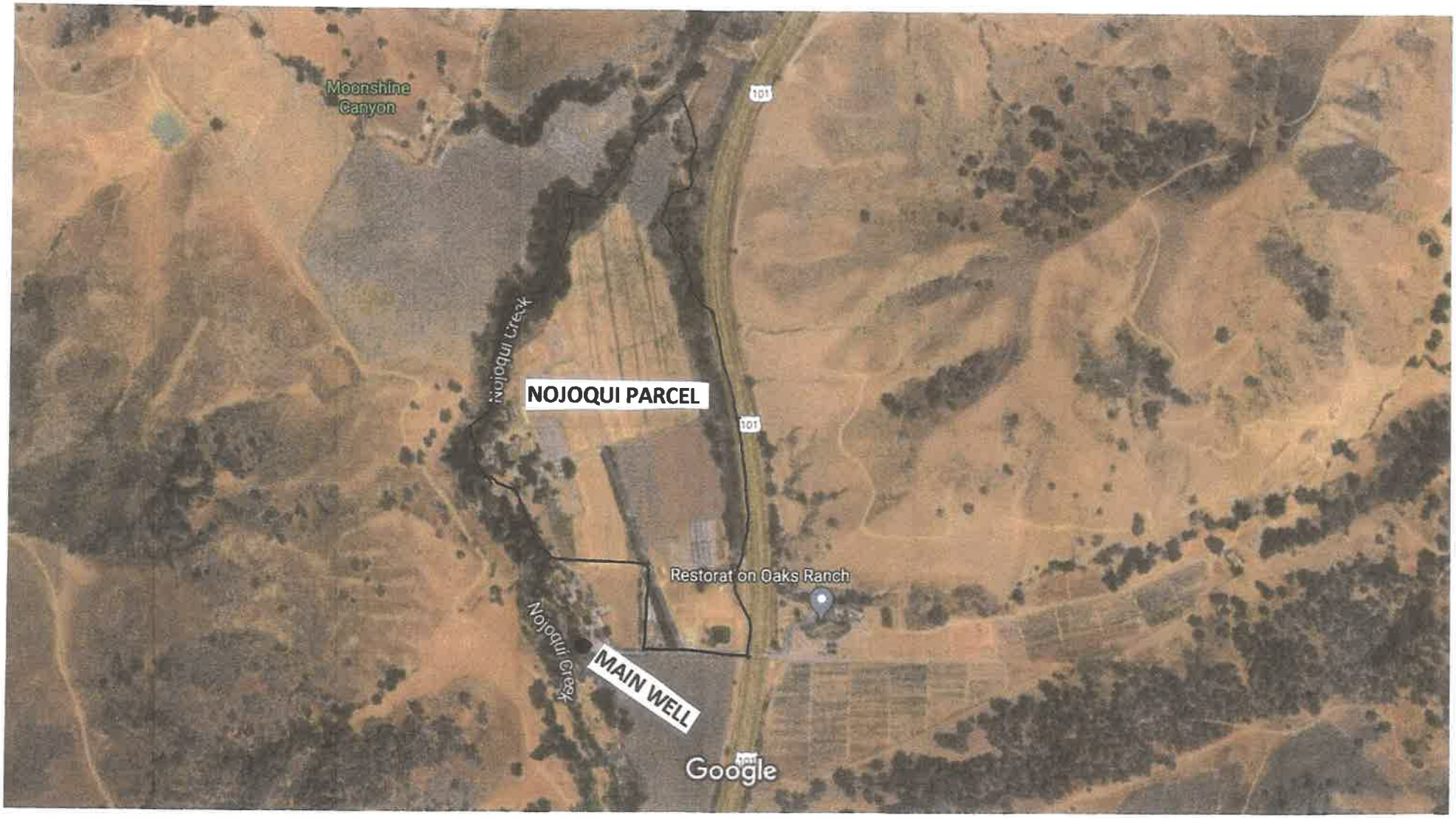
FIGURE 1A
LOCATION MAP

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

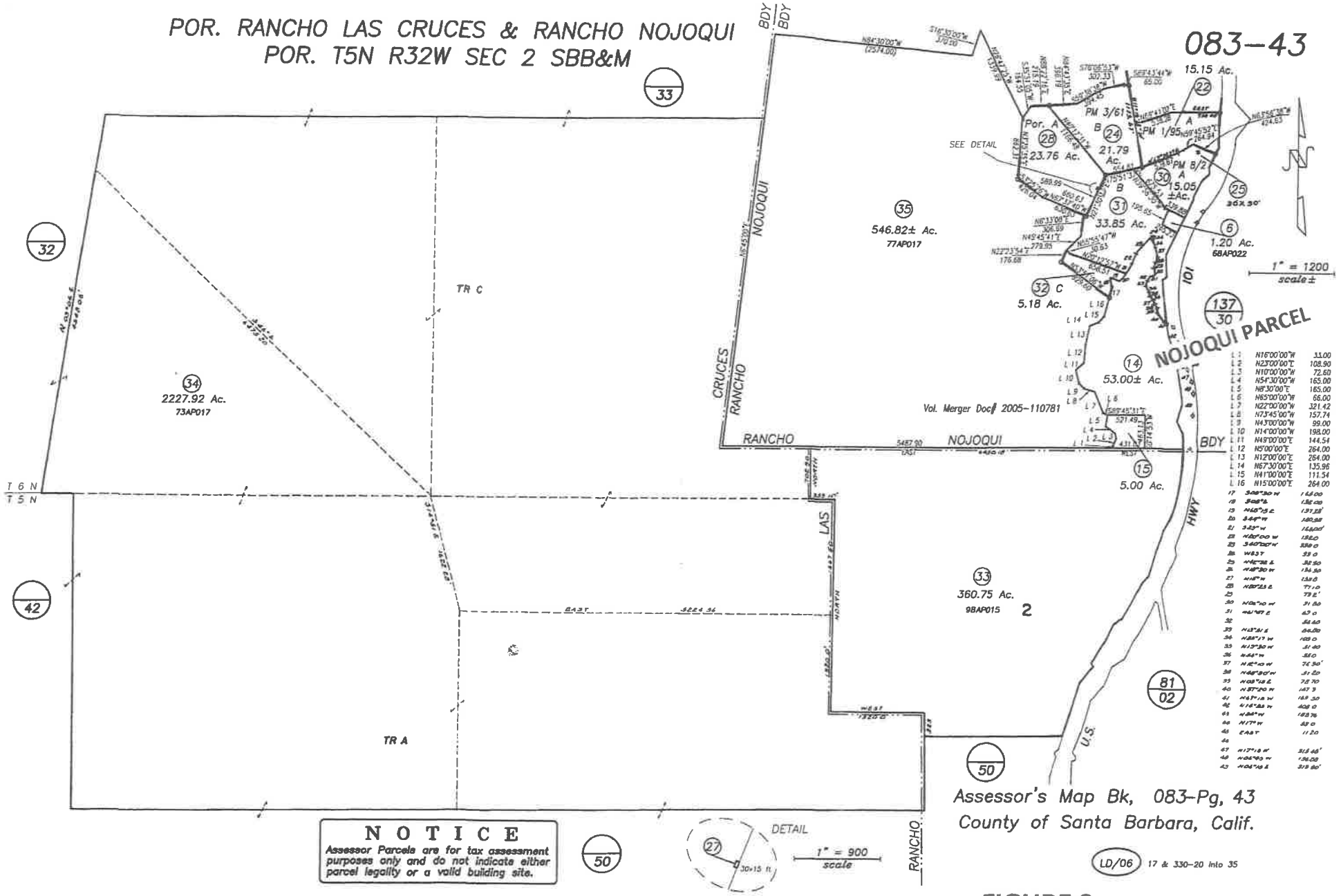


FIGURE 3
ASSESSOR PARCEL MAP

FIGURE 4
TOPOGRAPHY MAP

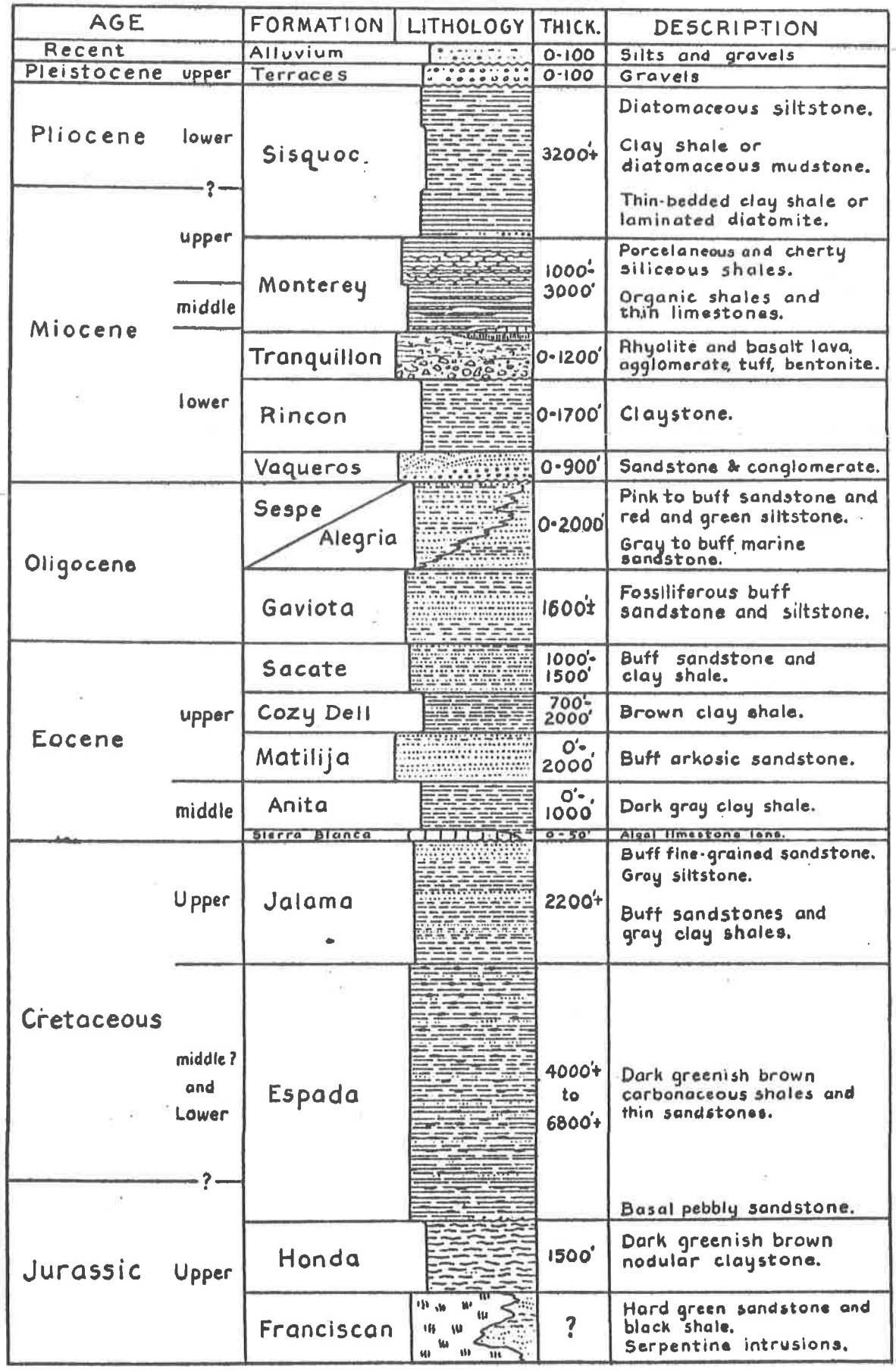


FIGURE 5 Stratigraphic column, western Santa Ynez Mountains.

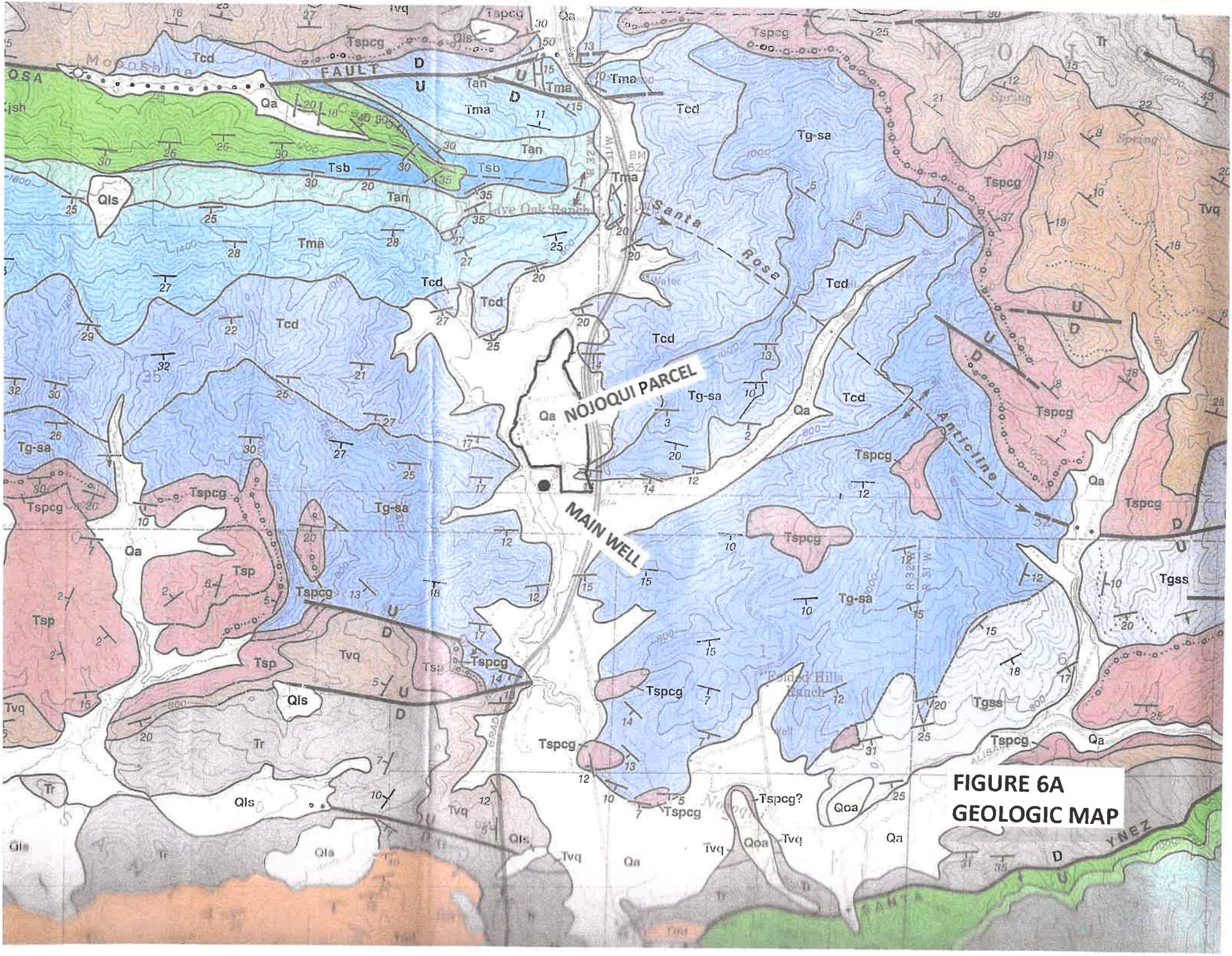


FIGURE 6A
GEOLOGIC MAP

SOLVANG AND GAVIOTA QUADRANGLES
LEGEND

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

QUATERNARY

Holocene

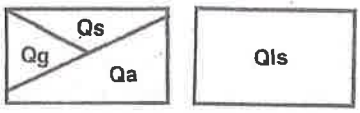
?

Pleistocene

?

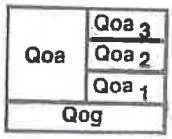
Pliocene

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*

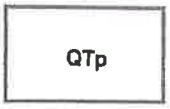


OLDER DISSECTED SURFICIAL SEDIMENTS

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

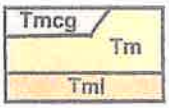
Tca *friable, massive, grayish-yellow, locally pebbly sandstone*

UNCONFORMITY

SISQUOC SHALE

marine; late Miocene age

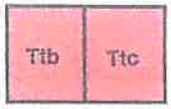
Tsq *north of Santa Ynez fault: soft white impure diatomite and diatomaceous shale; south of Santa Ynez fault: exposed offshore only, southwest of Gaviota Beach area; Delmontian-Mohnian Stage*



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

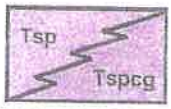
?

?

UNCONFORMITY

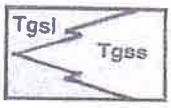
RINCON SHALE
marine; early Miocene age
Tr *poorly bedded gray clay shale or claystone; Saucesian and upper Zemorrian Stages*

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*



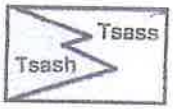
SESPE FORMATION
nonmarine; predominantly Oligocene age
Tsp *gray to tan sandstone and green to red siltstone and claystone; basal part intertongues westward with Alegria Formation south of Santa Ynez fault*
★ **Tspcg** *greenish-gray to reddish conglomerate composed mostly of Franciscan and ultramafic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

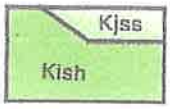
♦ ANITA SHALE
marine; early(?) to middle Eocene age
Tan *medium to dark gray micaceous clay shale with rare thin sandstone strata; includes a bed of red to green foraminiferal claystone ("Poppin Shale")*

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

UNCONFORMITY

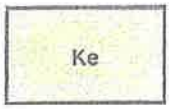
CRETACEOUS

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.

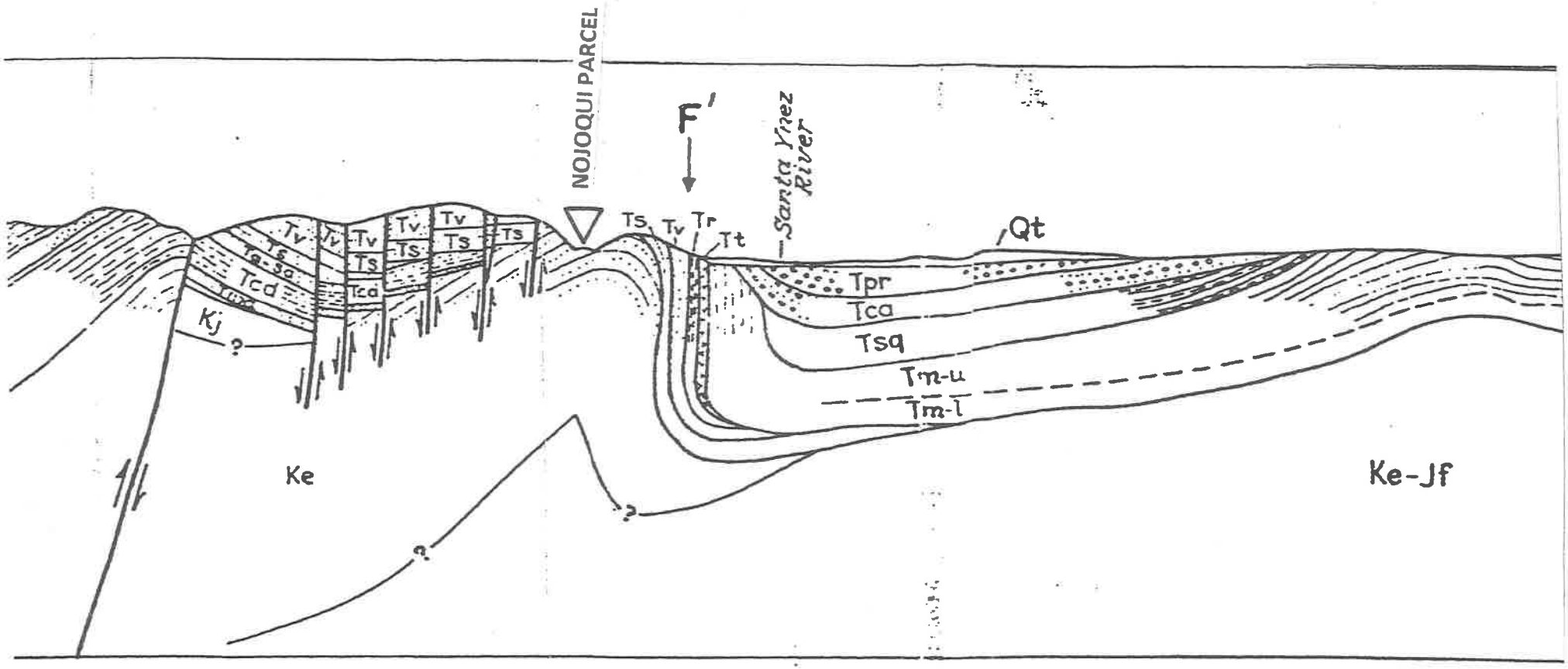


FIGURE 7
AREA CROSS SECTION

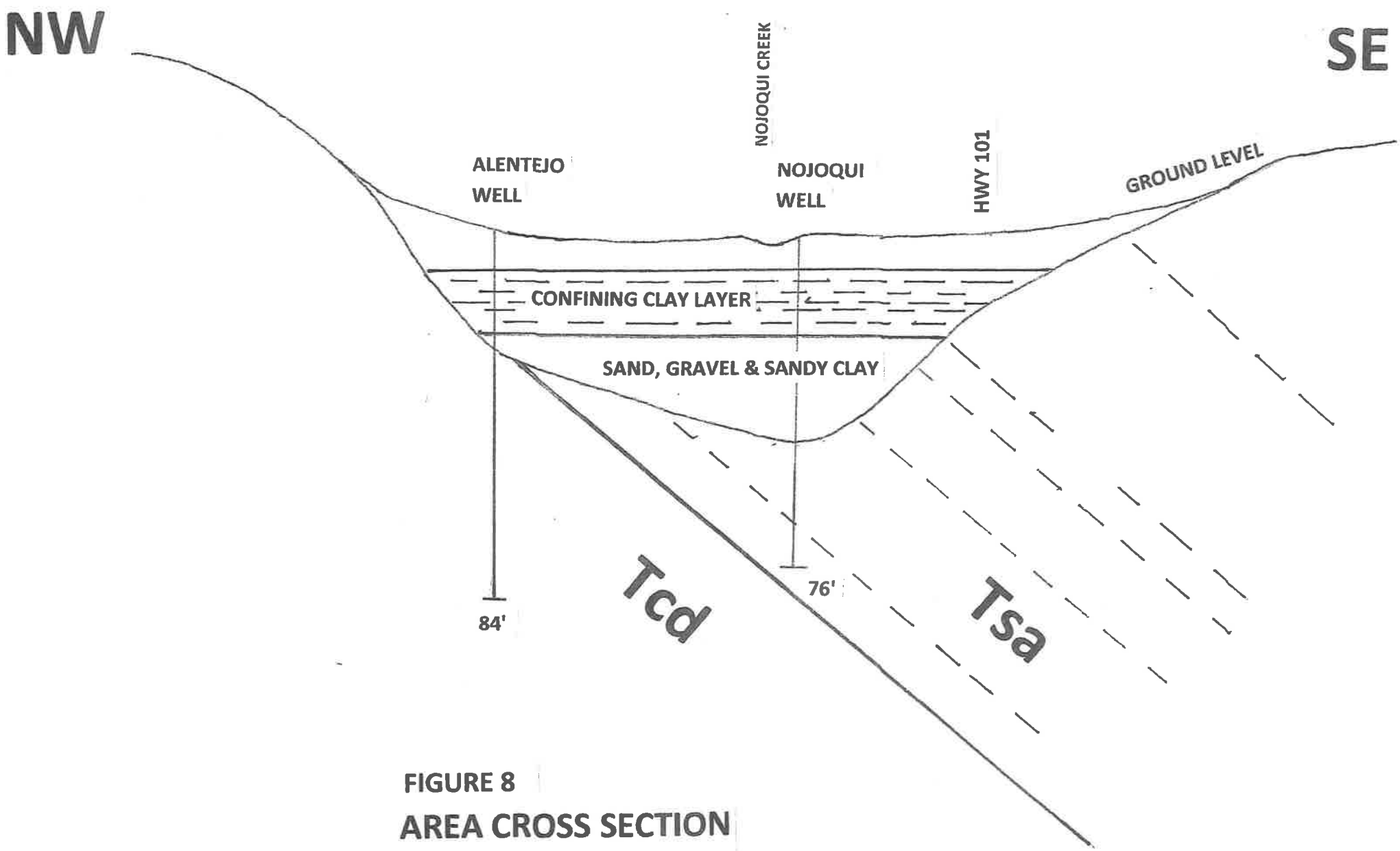


FIGURE 8

AREA CROSS SECTION

HORIZ SCALE: 1'=100'

VERT SCALE: 1"=30'

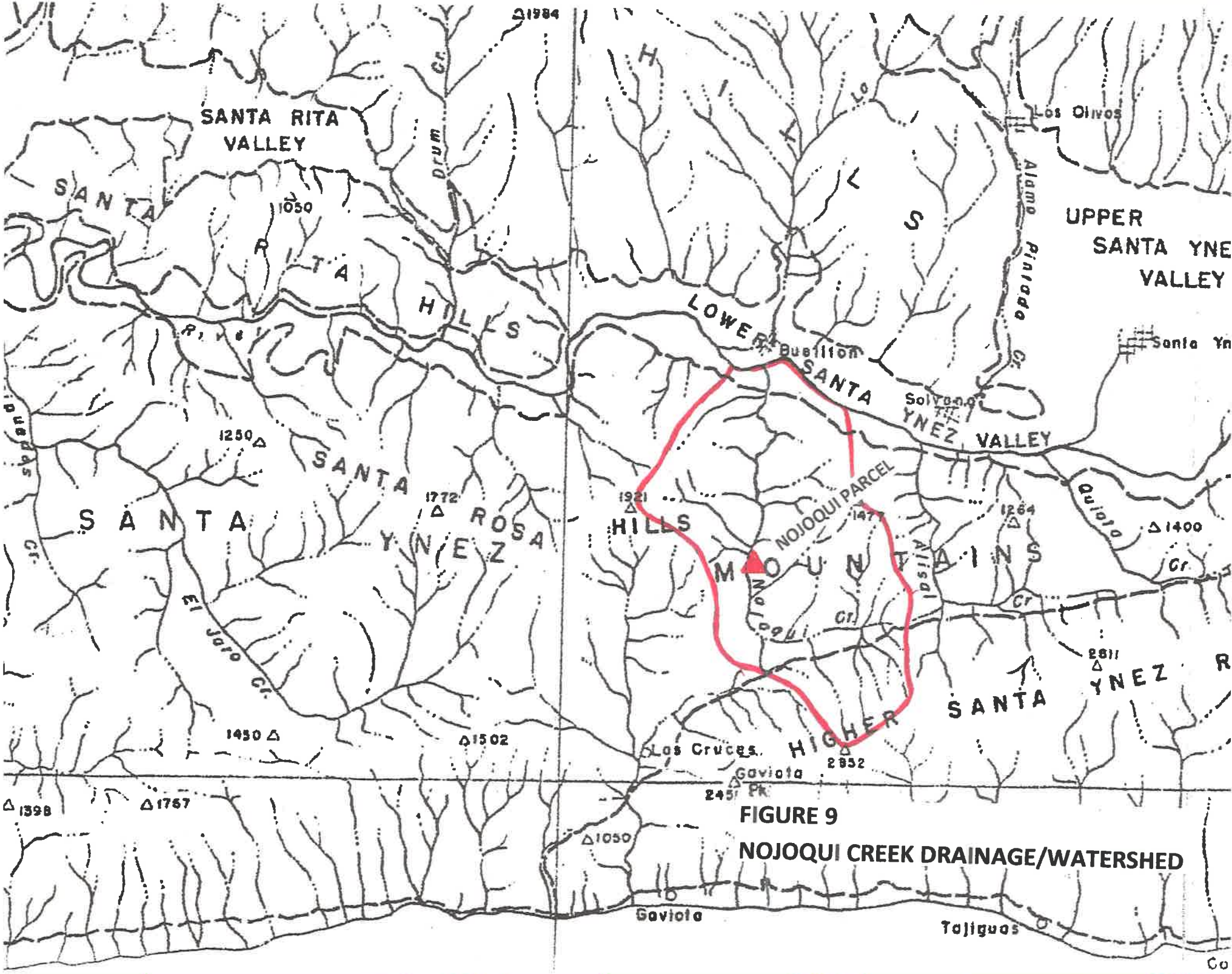


FIGURE 9

NOJOQUI CREEK DRAINAGE/WATERSHED

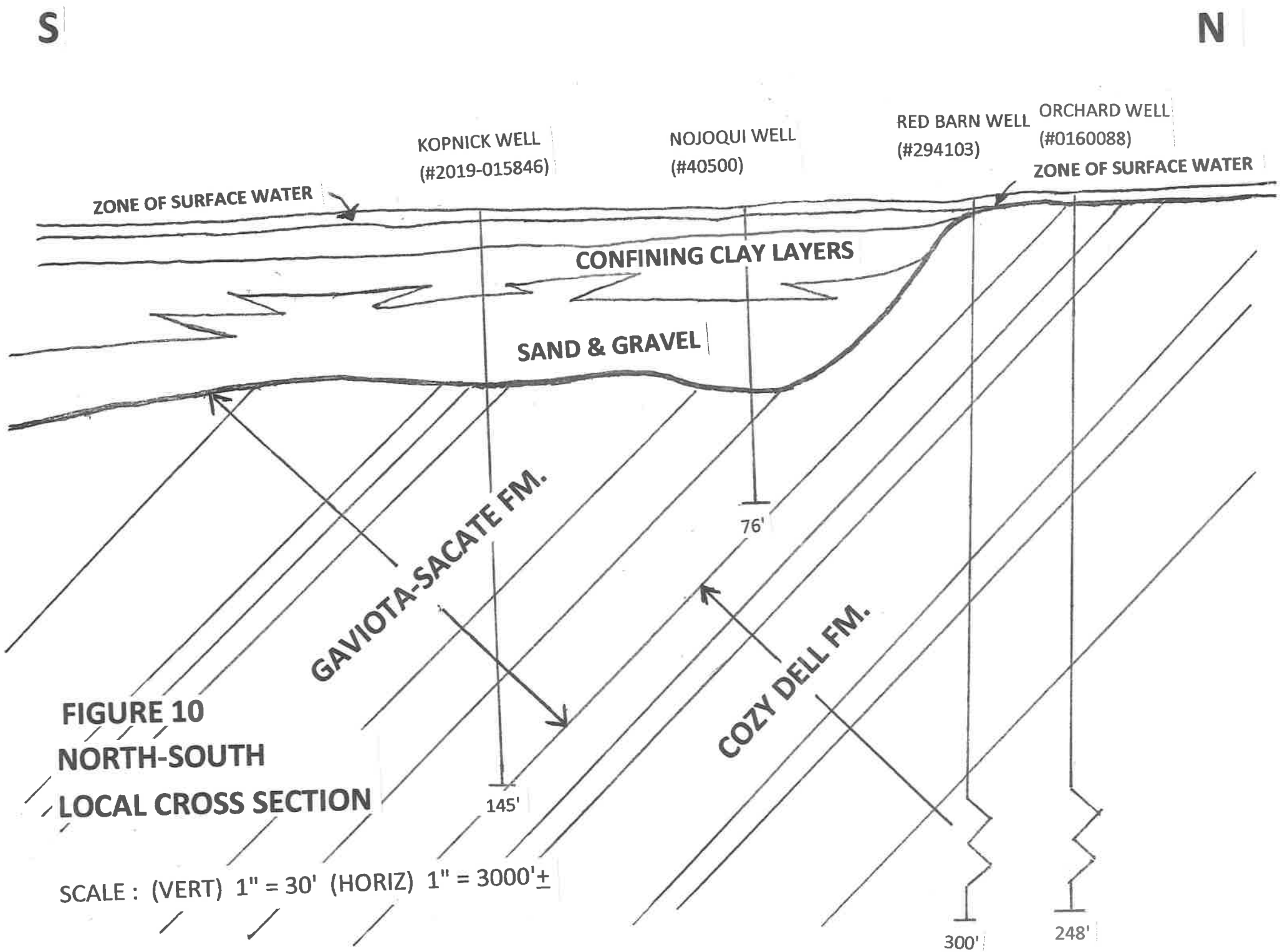


FIGURE 10
NORTH-SOUTH
LOCAL CROSS SECTION

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

NOJOQUI REPORT

APPENDIX

GRANT DEEDS

54827

BOOK 2085 PAGE 942

RECORDING REQUESTED BY

RECORDED AT REQUEST OF [illegible]

AND WHEN RECORDED MAIL TO

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

Title Order No. 138155 Escrow No. 208

BOOK 2085 PAGE 942
Dec 31 5 PM '64

OFFICIAL RECORDS
SANTA BARBARA COUNTY, CALIF.
[illegible]

INDEXED

FEE $3.60

SPACE ABOVE THIS LINE FOR RECORDER'S USE

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

K5709- 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 H. FLANAGAN, his wife

hereby GRANT(S) to

[illegible] DOLSON GILBERT and [illegible] GILBERT, 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. B. & M., and Section 36, Township 6 North, Range 32 West, S. B. B. & M., from which point of beginning the corner common to Sections 31, Township 6 North, Range 31 West, S. B. B. & M., and Section 36, Township 6 North, Range 32 West, S. B. B. & M., in the Township line between Township 6 North and Township 5 North bears South 731.58 feet distant, and from which last described point the corner common to Sections 1 and 2, Township 5 North, Range 32 West, S. B. 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. 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 25°03' West 105.30 feet to a point at another angle in said county road; thence 6th, North 17°35' West 400 feet to a point; thence leaving the center line of said County road, 7th, North 57°15' West at 156.90 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 10, 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, 169.90 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°00' West 107.70 feet to a point; thence 9th, North 3°15' East 72.70 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 55 feet to a point; thence 13th, North 13°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 55.60 feet to a point; thence 17th, North 61°47' East 69 feet to a point; thence 18th, North 8°10' West 91.50 feet to a point; thence 19th, North 33°45' East 73.80 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 13°30' West 138.50 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 "P.N.T." bears North 68°05' West 12.90 feet distant, and North 48°30' West 32.50 feet distant, respectively; thence up the center line of said Nojoqui Creek, following its meanders by the following 22 courses and distances: 24th, East 32 feet to a point; thence 25th, South 40° West 3[illegible] feet to a point; thence 26th, South 10° East 1[illegible] feet to a point; thence 27th, South 39° West 1[illegible] feet to a point; thence 28th, South 54° West 140.58 feet to a point; thence 29th, North 68°30' West 137.88 feet to a point; thence 30th, South 8° East 130 feet to a point; thence 31st, South 6°30' West 155 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 135.96 feet to a point; thence 35th, South 12° West 108 feet to a point; thence 36th, South 5° West 264 feet to a point; thence 37th, South 46° West 144.96 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 66 feet to a point; thence 43rd, South 8°[illegible] West 165 feet to a point; thence 44th, South...

54827

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

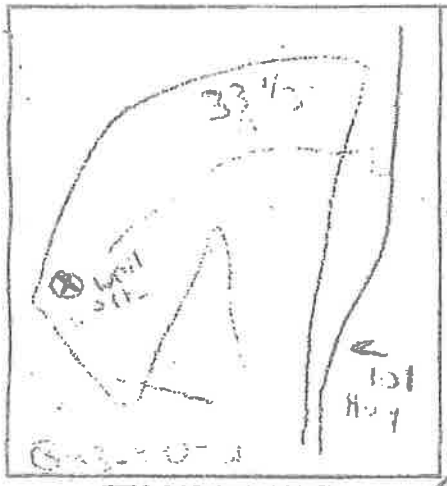
No. 354299

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 2617 E Shaw Ave
City Fresno CA ZIP 93710
License No. 411670 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: _____

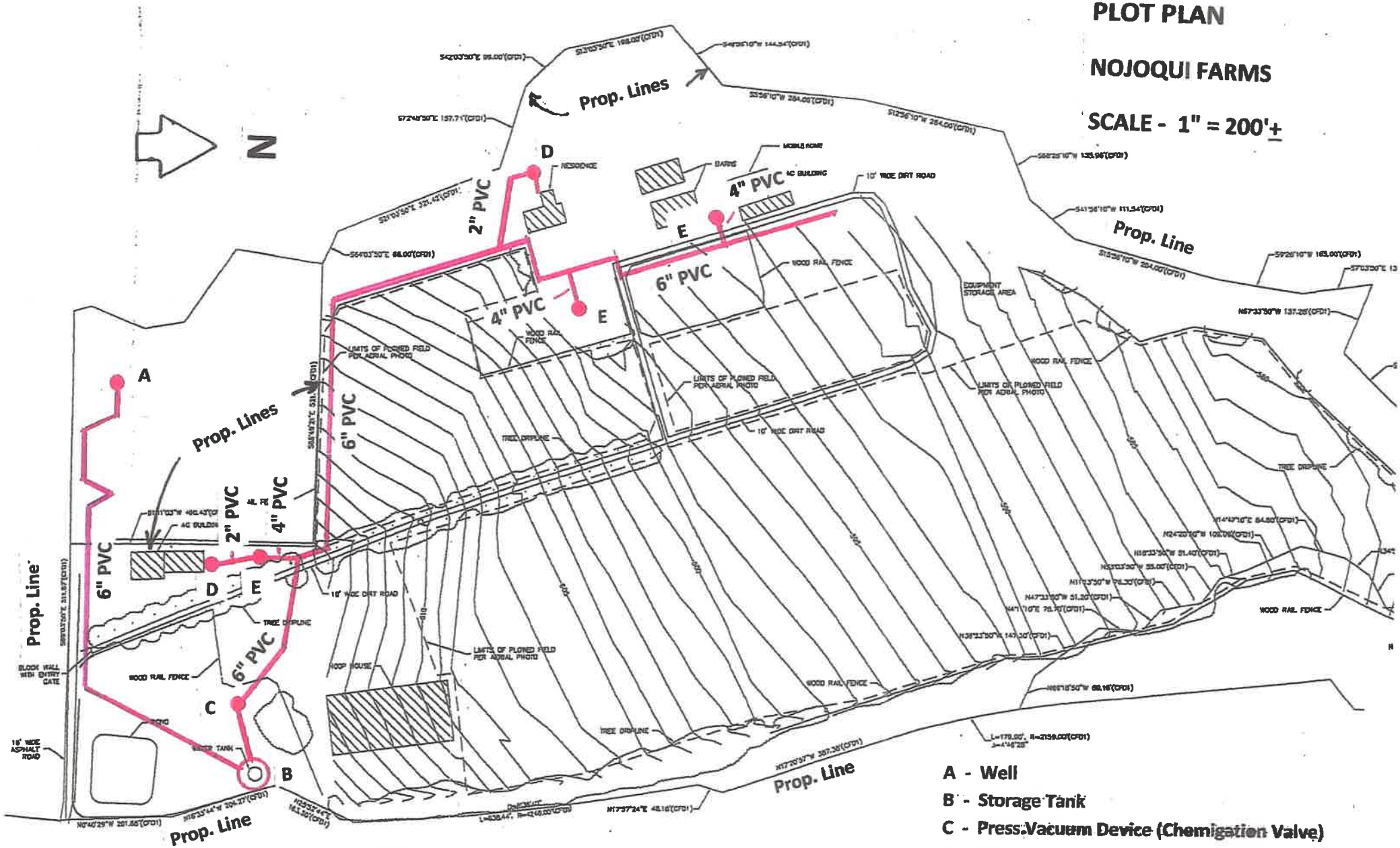
Final Clearance by: _____ Date: _____

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