- At each RMS well, determine the dominant beneficial use for that monitoring well based on the classification of wells within one mile of the RMS well.
 - o If the majority of the beneficial use (greater than 50% the wells within a determined area) is agricultural and there are no public water systems (including schools) the minimum threshold would be a host of agricultural water quality constituents.
 - o If an RMS well is located within an urban area, within one mile of a public water system, which includes schools, or the dominant beneficial use (greater than 50% of the wells within the determined area) is drinking water, then the minimum threshold would be set at the MCL for drinking water.
 - In cases where both of the above criteria are found to be true, the minimum thresholds would be established for both drinking water MCLs and Ag WQO's and minimum thresholds would be set at the most stringent of the two when considering common constituents.
 - o If drinking water MCLs or Ag WQOs were historically exceeded at an RMS well or found not be a result of implementation of a GSP, the GSA will coordinate with the responsible regulatory agency to prevent GSA SGMA activities from further degrading groundwater quality.

4.4.3.2 Relationship to Other Sustainability Indicators (§354.28(b)(2))

Groundwater quality is directly related to the sustainability indicator for change in groundwater storage and lowering of groundwater levels.

4.4.3.3 *Relationship to Adjacent Basins* (§354.28(b)(3))

The Minimum Thresholds for groundwater quality are based upon MCL and WQO established by the State for the beneficial uses and user within the Central Valley of California. Implementation of the projects and management actions within the GSA that may impact degraded groundwater quality will be consistent with the requirements established by the State and therefore would not adversely impact adjacent basins.

4.4.3.4 Potential Effects (§354.28(b)(4))

The Minimum Thresholds for the degrading of groundwater quality is not anticipated to produce undesirable results for agricultural, municipal, and industrial beneficial uses. If beneficial uses and users of groundwater have their groundwater quality impacted by GSA actions, each GSA will adopt a Mitigation Program or Programs consistent with the Framework attached hereto as Attachment 7.

4.4.3.5 Relationship with Federal, State, and Local Standards (§354.28(b)(5))

The minimum thresholds established are based on the Federal, State and Local Standards for groundwater quality maximum contaminant level (MCL) for drinking water or Agricultural Water

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Quality Objective (WQO) based on the beneficial use or user of the groundwater. Each groundwater quality RMS has been designated as representative of drinking water beneficial use, agricultural beneficial use, or both using the criteria defined in Section 4.4.3.1.

4.4.3.6 <u>Measurement of Groundwater Quality Relative to Minimum Thresholds</u> (§354.28(b)(6))

Groundwater quality will be measured at the representative monitoring sites and according to the monitoring schedule described in **Attachment 1**. The status of groundwater quality relative to the Minimum Thresholds will be reported in Annual Reports and Five-Year Reports.

4.4.4 Land Subsidence Minimum Thresholds

4.4.4.1 Criteria Used to Establish Minimum Thresholds (§354.28(b)(1))

Minimum Thresholds for land subsidence were established throughout the Tule Subbasin based on the best available data collected to date and groundwater model analysis, as described in Section 4.3.4.2.

Groundwater flow model analysis forecast as much as three feet of additional land subsidence at some locations of the FKC during the transition period from 2020 to 2040 (see Attachment 3; Figure 44). Through coordination with the Friant Water Authority staff and consultants, this value became the basis for engineering design modifications to restore canal flow capacity to its original condition. Land subsidence along the canal exceeding three feet was determined to be an undesirable result because it would be beyond what the engineering design could accommodate to restore the flow capacity to its original condition and what the parties to the FWA/ETGSA/Pixley GSA settlement agreement agreed to mitigate. Accordingly, the minimum threshold for land subsidence along the FKC was established at three feet of additional land subsidence after January 2020.

In other areas of the Tule Subbasin, apart from the FKC, the rate and extent of land subsidence forecast by the groundwater flow model for the 2020 to 2040 transition period was the basis for establishing minimum thresholds (see Attachment 6). In most areas of the Tule Subbasin, the GSAs determined that the forecasted land subsidence during the transition period, which was of a similar magnitude to what had been historically measured, was not anticipated to result in undesirable results to land uses or critical infrastructure because no undesirable results had previously been reported as a result of historical land subsidence in those areas. Thus, the maximum amount of land subsidence forecast during the transition period from 2020 to 2040 using the calibrated groundwater flow model is the basis for the land subsidence minimum thresholds throughout the Subbasin.

4.4.4.2 Relationship to Other Sustainability Indicators (§354.28(b)(2))

Land subsidence is directly related to the sustainability indicators for lowered groundwater levels and reductions in groundwater in storage. By maintaining groundwater levels above the Minimum Thresholds, undesirable results associated with land subsidence should be minimized.

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4.4.4.3 Relationship to Adjacent Basins (§354.28(b)(3))

The Minimum Thresholds described in each GSA's GSP have been informed through an analysis of potential future land subsidence in the Subbasin using a numerical groundwater flow model that incorporates future planned projects and management actions of each of the GSAs. Implementation of the projects and management actions, including the mitigation program by participating GSAs, are predicted to stabilize groundwater levels at the Tule Subbasin boundaries and areas immediately adjacent to the Subbasin, as long as the neighboring basins are successful in implementing their respective projects and management actions. Stabilizing groundwater levels will have the effect of minimizing land subsidence.

4.4.4.4 Potential Effects (§354.28(b)(4))

Regional land subsidence could result in impacts to gravity-driven water conveyance and other infrastructure. Land uses vulnerable to regional land subsidence are considered high priority and include:

- Gravity-Driven Water Conveyance
 - o Canals
 - Turnouts
 - o Stream Channels
 - Water Delivery Pipelines
 - o Basins
- Wells
- Flood Control

The Tule Subbasin GSAs have developed a mitigation framework for each GSA to utilize to address claims of impact that can be attributed to land subsidence (see Attachment 7). The ETGSA and Pixley GSA have entered into a settlement agreement with the FWA to mitigate the cost to repair sections of the FKC within ETGSA associated with land subsidence that occurs during the transition period from 2020 to 2040 (see ETGSA and Pixley GSA GSPs).

Differential land subsidence and associated damage to infrastructure has not been reported in the Tule Subbasin and is not anticipated to result in adverse impacts to infrastructure or land uses. These land uses are considered low priority, as it relates to land subsidence impacts, and include:

- Highways and Bridges
- Railroads
- Other Pipelines
- Wastewater Collection
- Utilities
- Buildings

Claims of impact related to land subsidence for these categories are more likely to come from public utilities, municipalities, or state agencies whereas each GSA will adopt a Mitigation Program or Programs consistent with the Framework attached hereto as Attachment 7.

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4.4.4.5 Relationship with Federal, State, and Local Standards (§354.28(b)(5))

There are no Federal, State or local standards specific to addressing land subsidence in the Tule Subbasin.

4.4.4.6 <u>Measurement of Land Subsidence Relative to Minimum Thresholds</u> (§354.28(b)(6))

Land elevations will be measured at the representative monitoring sites and according to the monitoring schedule described in **Attachment 1**. Additional monitoring, above and beyond that specified in Attachment 1, will be implemented for the ETGSA Land Subsidence Management Area along the FKC. The status of land subsidence relative to the Minimum Thresholds will be reported in Annual Reports and Five-Year Reports.

4.5 Measurable Objectives (Reg. § 354.30)

Measurable Objectives, including interim milestones in increments of five years, will be quantified at each RMS for each applicable sustainability indicator, defined as the numeric value in 2040, to achieve the sustainability goal in 20-year of plan implementation. Each measurable objective and interim milestones will be defined and described separately by each GSA in the GSP.

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V. MONITORING PROTOCOLS, NETWORKS, AND IDENTIFICATION OF DATA GAPS (§§352.2, 354.32.)

5.1 Monitoring Network and Representative Monitoring (§§354.34-354.36)

The minimum monitoring network to be used to collect data in the Tule Subbasin is described in the Tule Subbasin Monitoring Plan (see **Attachment 1**). The types of data to be collected as part of the plan include:

\square Surface water flow \square Surface water quality \square Groundwater levels \square Groundwater
quality \square Land surface elevation from Global Positioning System (GPS) stations \square Land
surface elevation changes from satellite data Land subsidence data from extensometers

The monitoring plan ensures that the data collected within the Subbasin is of sufficient quality, frequency and distribution to provide meaningful results for evaluating changing conditions within the Subbasin and informing the decision-making process.

The minimum monitoring network identified in the Tule Subbasin Monitoring Plan is both flexible and iterative, allowing for the addition or subtraction of monitoring features, as necessary, and to accommodate changes in monitoring frequency and alternative methodologies, as appropriate. Any changes to the minimum monitoring network or monitoring protocols identified in **Attachment 1** shall be approved by the Tule Subbasin TAC.

Individual GSAs may include additional monitoring features, not specifically identified in the Tule Subbasin Monitoring Plan, for collecting data to include in their respective GSPs and Annual Reports. Any monitoring features utilized for the collection of data to be included in GSPs and Annual Reports that are not identified in the Tule Subbasin Monitoring Plan must meet the minimum design and construction requirements specified in Section 3 of this Coordination Agreement and the Tule Subbasin Monitoring Plan. Any monitoring features not in the Tule Subbasin Monitoring Plan that are to be used by a GSA to collect data for incorporation into GSPs or Annual Reports will be shared with the Tule Subbasin TAC.

5.1.1 Procedures for Collecting the Data

The Tule Subbasin Monitoring Plan (Attachment 1) includes detailed procedures for the collection of surface water flow data, groundwater elevation data, and land surface elevation data. Groundwater quality data will be coordinated with and through the Irrigated Lands Regulatory Program and the existing coalitions. The data collection procedures will ensure that the data collected have the level of accuracy and precision necessary for evaluating conditions relative to minimum thresholds, estimating change in groundwater storage as required for Annual Reports, and measuring progress toward achieving sustainability. The data collection processes and procedures shall apply to monitoring features specifically identified in the Tule Subbasin Monitoring Plan as well as any additional monitoring features utilized for the collection of data by individual GSAs.

5.1.2 Entities Responsible for Data Collection

All data collection work, as specified in the Tule Subbasin Monitoring Plan (Attachment 1)

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will be performed by each GSA through individuals working under the direct supervision of a California Registered Professional Civil Engineer, Professional Geologist, or Certified Hydrogeologist and who meet the minimum qualifications and training requirements required by the Tule Subbasin TAC's technical consultant. The collection of groundwater quality data will be coordinated with and through the Irrigated Lands Regulatory Program and the existing coalitions. All data will be collected in accordance with the protocols specified in **Attachment 1**.

Nothing in this Agreement prevents multiple GSAs from using the same consultant. It is understood by and among the Parties that there will be individual GSA-specific data that can be collected either through the Tule Subbasin TAC's technical consultant or through the consultant/staff hired by that GSA. The goal is that the data collection be done following the same processes and procedures throughout the Tule Subbasin. If a GSA prefers to use the technical consultant hired by the Tule Subbasin TAC for the purposes of collecting information beyond what is required for Tule Subbasin Monitoring Plan, then that GSA shall pay for the consultant's fees and costs separately and above what the Tule Subbasin GSAs agree to cost share. In the event that a GSA hires its own consultant for site or GSA-specific data collection, such data shall be shared through the data sharing provisions of this Agreement.

All data collected by the GSAs shall be submitted to the Tule Subbasin TAC's technical consultant in accordance with the schedule described in Section 4.1.3 for QA/QC and entry into the Tule Subbasin Water Management Database (see Section 4.3).

5.1.3 How and When Data are Distributed to the GSAs

The complete Tule Subbasin Water Management Database will be available to authorized representatives as set forth by the GSAs of the Tule Subbasin GSAs at any time upon request.

The schedule to distribute data to the individual GSAs for preparation of Annual Reports has been prepared to enable the Tule Subbasin TAC to submit the compiled Annual Reports by the SGMA reporting deadline of April 1 following a water year. As per Groundwater Sustainability Plan Regulations Section 356.2, Annual Reports will include data and analyses for the preceding water year (October 1 through September 30). The distribution of data to the GSAs for the preparation of Annual Reports will be in accordance with the following schedule:

☐ The Tule Subbasin TAC's technical consultant will update the database between
October 1 and January 30 following a subject water year.
☐ Individual GSAs will be required to submit groundwater extractions (i.e. pumpage
to the technical consultant by January 1 following a subject water year.
☐ Following Quality Assurance/Quality Control checks by the technical consultant,
the previous water year's data will be submitted to each GSA by February 1 so the

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GSAs can prepare their respective Annual Reports. The data will be
formatted for easy incorporation into Annual Reports and distributed
electronically. Annual reports will be submitted to the Tule Subbasin
TAC for compilation by March 1 following the preceding water year. □ All
Annual Reports will be submitted to the California Department of Water
Resources by April 1 following the preceding water year.

5.2 <u>Assessment and Improvement of Monitoring Network and Identification of Data Gaps (§354.38.)</u>

The Tule Subbasin TAC will periodically evaluate the monitoring network in **Attachment 1** to determine if there are data gaps that could affect the ability of the Subbasin to meet its sustainability goals. Current data gaps are identified in **Attachment 1**. Every five years, the Tule Subbasin TAC will provide an evaluation of data gaps in the five-year assessment, including steps to be taken to address data gaps before the next five-year assessment.

5.3 <u>Data Management System (DMS) (§357.4(e))</u>

Efficient data management will be a critical to ensure that each GSA can access the data needed to prepare their respective Annual Reports in a timely manner and to ensure that the Tule Subbasin TAC can meet deadlines for submittal of the coordinated reports. The Monitoring Plan, **Attachment 1**, describes the Tule Subbasin Water Management Database, the procedures for updating and maintaining the database, and protocols for database security, file access and reporting. Data to be managed will include:

- A. Historical data used as a basis for preliminary estimates of the Water Budget and Sustainable Yield of the Tule Subbasin.
- B. Data to be collected in accordance with the Tule Subbasin Monitoring Plan (Attachment 1).

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VI. IMPLEMENTATION OF GSPS (§357.4(c))

Pursuant to 23 Cal. Code Regs. §357.24(c), the coordination agreement shall explain how the GSPs when implemented together satisfy the requirements of SGMA and are in substantial compliance with its regulations. SGMA requires the development and implementation of GSPs by GSAs to achieve sustainable groundwater management by 2040.

Throughout this Coordination Agreement, the Tule Subbasin GSAs have agreed upon various data and methodologies critical to understanding the hydrogeology of the Subbasin, and addressing and understanding what remedies are available to avoid undesirable results.

The GSAs within the Tule Subbasin will work together to implement their respective GSPs within the Tule Subbasin. The Tule Subbasin TAC, the technical advisory committee composed of representatives from each GSA, has developed Subbasin-wide data and methodologies for each of the following items, and made them available to each GSA to adopt and utilize in the development of its respective GSP:

- . o Groundwater elevation data.
- . o Groundwater extraction data.
- . o Surface water supply.
- . o Total water use.
- . o Change in groundwater storage.
- . o Water budget.
- . o Sustainable yield.

The GSAs understand there is local, site-specific data particular to each GSA which each GSA may utilize in the development of its respective GSP in addition to the Subbasin-wide data. If an individual GSA has identified monitoring features for use in collecting data specific to its jurisdictional area and the features are not included in Section 3 or **Attachment 1** of this Coordination Agreement, then the GSA can incorporate the features and data into its GSP upon confirming that those particular monitoring features meet the minimum criteria specified in Section 3 and that the data has been collected in accordance with this Coordination Agreement.

Each GSA shall submit its respective GSP, and any updates thereto, to the Tule Subbasin TAC so that the other Tule Subbasin GSAs may review and comment prior to documents being submitted to DWR. Each GSA shall comply with 23 Cal. Code Regs. §354.10, regarding comments received on the GSP, and such GSP shall be made available on the GSA's website.

Each GSA acknowledges and agrees that it is responsible to ensure that its GSP complies with the statutory requirements of SGMA. The GSAs further acknowledge the obligation for each GSA to coordinate the implementation of their respective GSPs in order to, collectively, achieve the Sustainability Goal for the Subbasin, as required by SGMA.

Additionally, to better implement and refine the projects and management actions adopted in their respective GSPs, the GSAs are committed to work together on developing and maintaining a data management system and are implementing quality control and quality assurance measures to collect reliable GSA-specific and Subbasin-wide data to ensure Subbasin-wide Sustainability Goal is

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achieved.

The Tule Subbasin GSAs are committed to implementing their respective projects and management actions set forth in their respective GSPs for the purpose of reaching sustainability for the Subbasin by 2040. The GSAs are also committed to further refine and update their projects, management actions and GSPs in accordance with SGMA as more and better data becomes available.

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VII. TULE SUBBASIN ORGANIZATIONAL STRUCTURE

7.1 Tule Subbasin Technical Advisory Committee

The Tule Subbasin TAC was previously formed under a Memorandum of Agreement executed by all Tule Subbasin GSAs. The Parties agree to the continued existence of the Tule Subbasin TAC pursuant to the terms below. The Tule Subbasin TAC is an advisory committee only and has no authority or power to bind any individual GSA to any recommendation or action item taken by its members.

Nothing in this Agreement is intended to affect the statutory powers granted under SGMA, or any other applicable law, to the Tule Subbasin GSAs. Each Tule Subbasin GSA shall be solely responsible for the adoption and enforcement of any ordinances, bylaws, or other legally enforceable actions taken within their respective GSA boundaries to implement SGMA, including, but not limited to, the preparation of the GSP applicable within their GSA boundaries. Each GSA agrees that as required by this Coordination Agreement, they shall utilize the same data and methodologies contained in this Coordination Agreement. The Parties understand there will be basin-wide data, in addition to certain local site-specific data collected and/or utilized by each GSA.

7.1.1 Members and Voting

A Tule Subbasin TAC shall be formed with one (1) representative appointed from each GSA, as well as one (1) alternate from each GSA. The Subbasin TAC shall make technical recommendations regarding the Coordination Agreement and other Tule Subbasin related SGMA compliance issues to each GSA. The Tule Subbasin TAC shall meet as necessary. Each GSA shall be entitled to one (1) vote. Recommendations to each GSA shall only be made upon consensus of the Tule Subbasin TAC. Should consensus not be reached, the votes shall be reported to each GSA Board for further direction. A quorum shall exist when five of the seven GSAs have representatives in attendance. The chairperson and secretary will not hold any separate voting rights on the Tule Subbasin TAC.

7.1.2 Consultants

The Parties agree that the Tule Subbasin TAC should obtain the services of consultants to facilitate the collection of data and the submission of information to the Tule Subbasin GSAs. Prior to hiring consultants, or approving scopes of work, the TAC shall obtain approval from the Tule Subbasin GSAs.

7.1.3 Legal Services

The Tule Subbasin TAC shall not retain independent legal services, unless agreed upon by all Parties hereto. Each Party shall be responsible for any legal fees incurred by its own counsel in the course of performing any legal work related to Subbasin matters.

7.1.4 Chairman and Secretary

A Chairman and Secretary shall be appointed to serve the Tule Subbasin TAC. The Chairperson shall be responsible for managing all Tule Subbasin TAC meetings, preparing agenda

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materials, managing consultants hired by the Tule Subbasin TAC, and coordinating the delivery of information between GSAs and Tule Subbasin TAC consultants. The Secretary shall be responsible for distributing Tule Subbasin TAC agenda materials to all Tule Subbasin GSAs and to all interested parties that request to be notified of Tule Subbasin TAC meetings, as well as ensuring compliance with all applicable legal requirements, including, but not limited to, the Ralph M. Brown Act. The Secretary shall also be responsible for record keeping of the Tule Subbasin TAC group, maintaining minutes of Tule Subbasin TAC meetings, maintaining copies of all executed agreements, maintaining copies of documents produced by consultants, and providing such information to individual Tule Subbasin GSAs upon request. The appointed Chairperson or Secretary may meet with Tule Subbasin GSAs or GSA member agency employees as necessary.

7.1.5 Meetings

All meetings shall be subject to the Ralph M. Brown Act. The Chairman and Secretary shall be responsible for ensuring compliance. Interested parties shall be provided an opportunity to comment on Coordination Agreement issues. Parties acknowledge the Tule Subbasin TAC duties may include public outreach.

7.1.6 Cost Sharing and Governance

Parties shall share on an equitable basis the costs related to the preparation of the data required for the Coordination Agreement to be drafted. Costs shall be allocated between GSAs based on the number of acres within a GSA.

Each Party to this Agreement shall be responsible for their respective share of costs based on their proportionate acreage within the Tule Subbasin. Through a separate agreement, the Tule Subbasin GSAs have appointed a fiscal agent and that fiscal agent shall have authority to enter into any contract necessary to assist with the preparation of the Coordination Agreement, subject to the direction and authorization of the Tule Subbasin TAC. The fiscal agent shall be responsible for invoicing the respective GSAs and for providing an accounting of all funds received and spent on behalf of the GSAs. The fiscal agent shall attend all Tule Subbasin TAC meetings but has no separate voting rights on the Tule Subbasin TAC.

The Tule Subbasin TAC shall annually prepare a schedule, scope of work, and budget of items required for the Coordination Agreement, which shall identify the estimated expenses and the estimated portions each respective Tule Subbasin GSA will be expected to be responsible for payment. This information shall be submitted to the GSAs for review and approval. The Tule Subbasin TAC may request funds under the approved budget from the GSAs as needed to reimburse the GSA's fiscal agent and may also request budget amendments.

The Parties agree that if grant funds become available for the Coordination Agreement components, then the Parties shall utilize grant funds to pay for those costs. The Parties agree to coordinate specific grant application requests by separate agreement. The Parties agree that grant funds shall be utilized based on the grant application budget and that if any grant funds are available for distribution to the GSAs, then the remaining grant funds shall be distributed based on GSA acreage within the Tule Subbasin.

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7.1.7 Procedures for Timely Exchange of Information (§357.4(b)(2))

7.1.7.1 Exchange of Information

Pursuant to 23 Cal. Code Regs. §357.4(b)(2), the GSAs acknowledge and recognize that for this Coordination Agreement to be effective in the enhancement of the goals of basin-wide groundwater sustainability and compliance with the SGMA and the basin level coordinating and reporting regulations, the GSAs will have an affirmative obligation to exchange certain minimally necessary information among and between the other GSA Parties. Likewise, the GSA Parties acknowledge and recognize that individual GSA Parties, in providing certain information, and in particular certain raw data, may contend that limitations apply in the sharing and other dissemination of certain types of said information, which may subject the individual GSA Party to certain duties regarding non-disclosure and privacy restrictions and protections.

7.1.7.2 Procedure Governing the Exchange of Information

The GSAs may exchange information through collaboration and/or informal requests made at the Tule Subbasin TAC. To the extent it is necessary to make a written request for information to another GSA, each GSA shall designate a representative to respond to information requests and provide the name and contact information of the designee to the Tule Subbasin TAC. Requests may be communicated in writing and transmitted in person or by mail, facsimile machine or other electronic means to the appropriate representative as named in this Agreement.

Nothing in this Agreement shall be construed to prohibit any Party from voluntarily exchanging information with any other Party by any other mechanism separate from the Tule Subbasin TAC.

7.1.8 Procedures for Resolving Disputes Dispute Resolution (§§357.4(b)(2), 357.4(h))

The Parties agree that all disputes under this Coordination Agreement that concern the applicability and requirements of SGMA by or between GSAs within the Tule Subbasin, shall be handled under the terms of this Agreement. Any GSA may choose to initiate a dispute resolution process by serving written notice to the remaining GSAs of the following: (1) identification of the conflict; (2) description of how the conflict may negatively impact the sustainability of the Tule Subbasin; and (3) a proposal for one or more resolutions. The Parties agree to designate representatives to meet and confer with each other within thirty (30) days of the date such notice is given and said representatives shall then meet within a reasonable time to address all issues identified in the notice. Should the representatives be unable to reach a resolution within ninety (90) days of the written notice, the Parties shall enter into informal mediation in front of a mutually agreeable mediator. After attempting to settle or resolve a dispute or disagreement through informal resolution and mediation, as described above, nothing within this Agreement shall prevent the Parties from pursuing legal action. The resolution of any dispute or claim related to a water right alleged by a Party is outside the scope contemplated in this Section 7.1.8 and the Coordination Agreement.

7.2 Amendments to this Coordination Agreement

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This Coordination Agreement shall become effective on the dates executed by all Parties and shall remain in effect until revised or replaced by a subsequent agreement. This Agreement may be amended upon the mutual written agreement of all the Parties. Pursuant to 23 Cal. Code Regs. §357.4(i), this Coordination Agreement shall be reviewed as part of the five-year assessment, revised if necessary, and executed by all parties.

7.3 Construction

This Agreement is for the sole benefit of the Parties and shall not be construed as granting rights to or imposing obligations on any person other than the Parties.

7.4 Good Faith

Each Party shall use its best efforts and work in good faith for the expeditious completion of the purposes and goals of this Agreement and the satisfactory performance of its terms.

7.5 Execution

This Agreement may be executed in counterparts and the signed counterparts shall constitute a single instrument. The signatories to this Agreement represent that they have the authority to sign this agreement and to bind the Party for whom they are signing.

7.6 Third Party Beneficiaries

This Agreement shall not create any right of interest in any non-Party or in any member of the public as a third-party beneficiary.

7.7 Notices

All notices, requests, demands or other communications required or permitted under this Agreement shall be in writing unless provided otherwise in this Agreement, and shall be deemed to have been duly given and received on: (i) the date of service if personally served or served by electronic mail or facsimile transmission on the Party to whom notice is to be given at the address(es) below; (ii) on the first day after mailing, if mailed by Federal Express, U.S. Express Mail, or other similar overnight courier service; or (iii) on the third day after mailing if mailed to the Party to whom notice is to be given by first class mail, registered certified as follows:

Alpaugh Groundwater Sustainability Agency Attn: Bruce Howarth P.O. Box 129 Alpaugh, CA 93201

Delano-Earlimart Irrigation District Groundwater Sustainability Agency Attn: Eric Quinley 14181 Avenue 24 Delano, CA 93215

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Eastern Tule Groundwater Sustainability Agency Attn: Rogelio Caudillo 881 W. Morton Avenue, Suite D Porterville, CA 93257

Lower Tule River Irrigation District GSA Attn: Eric Limas 357 E. Olive Avenue Tipton, CA 93272

Pixley Irrigation District GSA Attn: Eric Limas 357 E. Olive Avenue Tipton, CA 93272

Tri-County Water Authority GSA Attn: Deanna Jackson 944 Whitley Avenue Suite E Corcoran, CA 93212

County of Tulare c/o Denise England County Administration Building 2800 W. Burrel Avenue Visalia, California 93291

7.8 No Waiver; No Admission

Nothing in this Coordination Agreement is intended to modify the water rights of any Party or of any Person (as that term is defined under Section 19 of the Water Code). Nothing in this Coordination Agreement shall be construed as an admission by any Party regarding any subject matter of this Coordination Agreement, including without limitation any water right or priority of any water right that is claimed by a Party or any Person. Nor shall this Coordination Agreement in any way be construed to represent an admission by a Party with respect to the subject or sufficiency of another Party's claim to any water or water right or priority or defenses thereto, or to establish a standard for the purposes of the determining the respective liability of any Party or Person, except to the extent otherwise specified by law. Nothing in this Coordination Agreement shall be construed as a waiver by any Party of its election to at any time assert a legal claim or argument as to water, water right or any subject matter of this Coordination Agreement or defenses thereto. The Parties hereby agree that this Coordination Agreement, to the fullest extent permitted by law, preserves the water rights of each of the Parties as they may exist as of the effective date of this Coordination Agreement or at any time thereafter. Any dispute or claim arising out of or in any way related to a water right alleged by a Party shall be separately resolved before the appropriate judicial, administrative or enforcement body with proper jurisdiction and is specifically excluded from the dispute resolution procedures set forth under this Coordination Agreement, including without limitation under Section 7.1.8.

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7.9 It is understood and agreed that this Coordination Agreement supersedes that certain "Memorandum of Understanding to Develop and Implement a Coordination Agreement" and all oral agreements and negotiations between the Parties relating to the subject matter hereof.

Alpaugh Groundwater Sustainability Agency	Date
Delano Earlymart Irrigation District GSA	7/21/2 Date
Eastern Tule Groundwater Sustainability Agency	Date
Lower Tule River Irrigation District GSA	Date
Pixley Irrigation District GSA	Date
Tri-County Water Authority GSA	Date
Tulare County GSA	Date

7.9 It is understood and agreed that this Coordination Agreement supersedes that certain "Memorandum of Understanding to Develop and Implement a Coordination Agreement" and all oral agreements and negotiations between the Parties relating to the subject matter hereof.

Alpaugh Groundwater Sustainability Agency	Date
Delano Earlimart Irrigation District GSA	Date
Eastern Tule Groundwater Sustainability Agency	7-18-2; Date
Lower Tule River Irrigation District GSA	Date
Pixley Irrigation District GSA	Date
Tri-County Water Authority GSA	Date
Tulare County GSA	Date

7.9 It is understood and agreed that this Coordination Agreement supersedes that certain "Memorandum of Understanding to Develop and Implement a Coordination Agreement" and all oral agreements and negotiations between the Parties relating to the subject matter hereof.

Alpaugh Groundwater Sustainability Agency	Date
Delano Earlimart Irrigation District GSA	Date
Eastern Tule Groundwater Sustainability Agency	Date
Lower Tule River-Irrigation District GSA	7/19/2022 Date
Fixley Irrigation District GSA	7/21/2022 Date
Tri-County Water Authority GSA	Date
Tulare County GSA	Date

7.9 It is understood and agreed that this Coordination Agreement supersedes that certain "Memorandum of Understanding to Develop and Implement a Coordination Agreement" and all oral agreements and negotiations between the Parties relating to the subject matter hereof.

Alpaugh Groundwater Sustainability Agency	Da	te
Delano Earlimart Irrigation District GSA	Da	te
Eastern Tule Groundwater Sustainability Agency	Da	te
Lower Tule River Irrigation District GSA	Da	te
Pixley Irrigation District GSA	Da	te
Tri-County Water Authority GSA	<u>Ju</u> Da	aly 21, 2022 te
Tulare County GSA	Da	te

7.9 It is understood and agreed that this Coordination Agreement supersedes that certain "Memorandum of Understanding to Develop and Implement a Coordination Agreement" and all oral agreements and negotiations between the Parties relating to the subject matter hereof.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement to be effective as of the date noted below.

Alpaugh Groundwater Sustainability Agency	Date
Delano Earlimart Irrigation District GSA	Date
Eastern Tule Groundwater Sustainability Agency	Date
Lower Tule River Irrigation District GSA	Date
Pixley Irrigation District GSA	Date
Tri-County Water Authority GSA	Date
Edward Tulare County GSA	7/19/2022 Date

Approved as to Form Tulare County Counsel Isl A Jahren Matter No. 20151121

7.9 It is understood and agreed that this Coordination Agreement supersedes that certain "Memorandum of Understanding to Develop and Implement a Coordination Agreement" and all oral agreements and negotiations between the Parties relating to the subject matter hereof.

Alpaugh Groundwater Sustainability Agency	<u>07/25/22</u> Date
Delano Earlimart Irrigation District GSA	Date
Eastern Tule Groundwater Sustainability Agency	Date
Lower Tule River Irrigation District GSA	Date
Pixley Irrigation District GSA	Date
Tri-County Water Authority GSA	Date
Tulare County GSA	Date

TULE SUBBASIN COORDINATION AGREEMENT ATTACHMENT 1

Tule Subbasin Monitoring Plan

July 2022

Prepared for

Tule Subbasin Technical Advisory Committee

Prepared by

Thomas Harder, PG, CHG Principal Hydrogeologist





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Acronyms

GSP	Charmy	ton Creatain shilitry Dlan	
CISP	Ciroundwa	ter Sustainability Plan	

SGMA Sustainable Groundwater Management Act, California's framework for the

recovery and ongoing management of groundwater basins. SGMA empowers local agencies to form Groundwater Sustainability Agencies (GSAs) to manage basins sustainably and requires those GSAs to adopt Groundwater Sustainability Plans (GSPs) for crucial groundwater basins in California.

DWR Department of Water Resources

GSA Groundwater Sustainability Agency

TAC Technical Advisory Committee
TSMP Tule Subbasin Monitoring Plan

DO Dissolved Oxygen

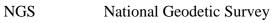
EC Electrical Conductivity
TDS Total Dissolved Solids

QAPP Quality Assurance Project Plan

USGS United States Geological Society

USBR United States Bureau of Reclamation

GPS Global Positioning System







TRA Tule River Association
ACOE Army Core of Engineers

ILRP Irrigated Lands Regulatory Program

DMS Data Management System, an application with a database back-end that will

track and manage the data of the end users as well as provide administrative

SQL structured query language

End User/User Person who will use the product, but not a member of staff, administration,

or development team.

UI User Interface, the part of the application that end users and staff interact with.





1.0 Background

This monitoring plan has been prepared to describe the monitoring features and monitoring methodologies to be used to collect the data to be included in Tule Subbasin Groundwater Sustainability Plans (GSPs) and annual reports, as required by the Sustainable Groundwater Management Act (SGMA). This plan is for the Tule Subbasin (see Figure A1-1), as described in California Department of Water Resources (DWR) Bulletin 118. The Tule Subbasin is subdivided into six Groundwater Sustainability Agencies (GSAs), each with their own GSP.

As required by Section 10727.2 of the Water Code, each GSP must include:

- (d) Components relating to the following, as applicable to the basin:
 - (1) The monitoring and management of groundwater levels within the basin.
 - (2) The monitoring and management of groundwater quality, groundwater quality degradation, inelastic land surface subsidence, and changes in surface flow and surface water quality that directly affect groundwater levels or quality or are caused by groundwater extraction in the basin.
 - (3) Mitigation of overdraft.
 - (4) How recharge areas identified in the plan substantially contribute to the replenishment of the basin.
 - (5) A description of surface water supply used or available for use for groundwater recharge or in-lieu use.
- (e) A summary of the type of monitoring sites, type of measurements, and the frequency of monitoring for each location monitoring groundwater levels, groundwater quality, subsidence, streamflow, precipitation, evaporation, and tidal influence. The plan shall include a summary of monitoring information such as well depth, screened intervals, and aquifer zones monitored, and a summary of the type of well relied on for the information, including public, irrigation, domestic, industrial, and monitoring wells.
- (f) Monitoring protocols that are designed to detect changes in groundwater levels, groundwater quality, inelastic surface subsidence, for basins for which subsidence has been identified as a potential problem, and flow and quality of surface water that directly affect

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¹ DWR, 2016. Final 2016 Bulletin 118 Groundwater Basin Boundaries shapefile. http://www.water.ca.gov/groundwater/sgma/basin_boundaries.cfm

groundwater levels or quality or are caused by groundwater extraction in the basin. The monitoring protocols shall be designed to generate information that promotes efficient and effective groundwater management.

The Tule Subbasin Technical Advisory Committee (TAC) has determined that a single monitoring plan that includes the entire Tule Subbasin is necessary in order to identify the types of data to be collected throughout the subbasin, the minimum number of monitoring features from which to collect data, and the monitoring protocols to be followed by each GSA, in order to ensure that the same methodologies are followed as required by California Water Code Section 10727.6 of SGMA. This Tule Subbasin Monitoring Plan (TSMP) serves that purpose.

1.1 Plan Objectives 354.34 (b)

The TSMP has been prepared to meet the following subbasin-wide objectives:

- To ensure that the data collected within the basin are in sufficient quantities, areal distribution, frequency and accuracy to provide meaningful results for demonstrating progress toward achieving measurable objectives of each GSA and the sustainability goal of the subbasin as a whole.
- To monitor impacts to the beneficial uses and users of groundwater.
- To monitor changes in groundwater conditions relative to measurable objectives and minimum thresholds.
- Enable the quantification of annual changes in water budget components.
- To identify data gaps and monitoring features to address the data gaps.
- To provide a standard methodology for the collection of surface water, groundwater, and land surface subsidence data within the Tule Subbasin.
- To provide for a central, secure monitoring database available to the GSAs for their use in preparing their respective groundwater sustainability plans and annual reports.

The TSMP is both flexible and iterative, allowing for the addition or subtraction of monitoring features, as necessary, and to accommodate changes in monitoring frequency and alternative methodologies, as appropriate.

1.2 Area Encompassed by the Monitoring Plan

The area addressed by this plan is the Tule Subbasin, as defined by the latest version of DWR Bulletin 118 as shown on Figure A1-1. The Tule Subbasin area is 744 square miles (475,895 acres). The Tule Subbasin has been subdivided into the following six GSAs (see Figure A1-1):

• Eastern Tule GSA



- Lower Tule River Irrigation District GSA
- Pixley Irrigation District GSA
- Delano-Earlimart GSA
- Tri-County Water Authority GSA
- Alpaugh GSA

1.3 Monitoring Plan Organization

The monitoring plan addresses the following types of data:

- Surface Water Data
- Groundwater Data
- Land Elevation and Subsidence Data

Each data type will be addressed in its own section that includes a description of the monitoring features for collecting data, the data collection protocols, and the monitoring frequency.

The final section of the monitoring plan describes the data management program that includes a description of the database management platform, criteria for data QA/QC, file storage, security and access, database maintenance and documentation.





2.0 Monitoring Networks 354.34

This monitoring plan presents the minimum groundwater monitoring network to be relied on by the Tule Subbasin GSAs to prepare their annual reports. Data to be collected from the monitoring network will include surface water flow, surface water quality, groundwater levels, groundwater quality and land elevation data. Groundwater levels and quality data will be collected from a network of monitoring wells spaced throughout the Tule Subbasin. The monitoring well network includes existing monitoring wells, existing domestic and agricultural wells, and new wells to be added. As some of the existing wells require further investigation prior to formal inclusion in the monitoring network, and the exact locations of new monitoring wells are yet to be determined, it will be necessary to modify the monitoring network over time to add/remove monitoring features and adjust locations.

2.1 Chronic Lowering of Groundwater Levels 354.34 (c) (1)

As there are significant differences in hydraulic head and aquifer characteristics with depth in the Tule Subbasin, monitoring wells have been identified to enable the collection of data from each of the significant subsurface hydrogeologic units in the area. These units include (in order from shallowest to deepest):

- The Upper Aquifer
- The Lower Aquifer
- The Santa Margarita Formation

The depths of each of these units follow the hydrogeological conceptual model of the Tule Subbasin outlined in the hydrogeological conceptual model and incorporated into the Tule Subbasin Groundwater Flow Model.² The Upper Aquifer is generally located above the Corcoran Clay in the western part of the subbasin and above other confining beds in the eastern part of the subbasin. The Upper Aquifer is generally unconfined to semi-confined. The Upper Aquifer varies in depth from approximately 400 ft below ground surface (ft bgs) in the western portion of the basin to less than 100 ft bgs in the northeastern portion. The Lower Aquifer is below the Corcoran Clay and extends to depths ranging from approximately 2,200 ft bgs in the western portion of the





² TH&Co, 2017a. Hydrogeological Conceptual Model and Water Budget for the Tule Subbasin. Prepared for the Tule Subbasin MOU Group. Dated August 1, 2017.

TH&Co, 2019. Groundwater Flow Model for the Tule Subbasin. Prepare for the Tule Subbasin MOU Group. In Progress.

Tule Subbasin to 400 ft bgs near State Route 99. The Santa Margarita Formation occurs at depths ranging from 700 to 2,000 ft bgs in the southeastern portion of the Tule Subbasin.

Monitoring wells are identified with perforations exclusively in the Upper Aquifer, Lower Aquifer, or Santa Margarita Formation. Individual wells perforated across multiple aquifer layers (i.e. "composite wells") will not be allowed in the monitoring plan unless no other wells are available for monitoring in the area. Over time, wells in the monitoring network that are perforated across multiple aquifers will be replaced with nested or cluster wells with perforations specific to the Upper or Lower aquifers.

2.1.1 Monitoring Features

2.1.1.1 Upper Aguifer Monitoring Wells

Upper aquifer monitoring wells are shown on Figure A1-2. A total of 78 monitoring wells have been identified for monitoring the Upper Aquifer. Of these wells, 27 have been designated as RMS wells (see Table A1-A). The Upper Aquifer monitoring wells are further described below.

Existing Upper Aquifer Monitoring Wells with Historical Records

Of the 82 wells identified for monitoring the Upper Aquifer, 36 have historical groundwater level records and meet the minimum criteria specified in Section 3.2.1.1 of the Coordination Agreement. Groundwater level hydrographs for these wells are provided in Appendix A.

Existing Upper Aquifer Monitoring Wells - No Historical Records (to be Investigated)

There are numerous existing wells with documented total depth and perforation interval(s) within the Upper Aquifer that could be incorporated into the monitoring network but require further investigation. These wells have no historical groundwater level records and owner permission for access the wells has not been pursued. However, if access is approved by the owner and the wells are demonstrated to meet the minimum criteria for monitoring wells, they may be incorporated into the monitoring plan. Many of these existing Upper Aquifer wells, to be confirmed through further investigation, have been identified for consideration in the monitoring plan (see Figure A1-2; Table A1-1). In addition, 48 wells that are part of the water quality monitoring network are included in the groundwater level monitoring network. These wells have been selected to help fill aerial coverage data gaps for monitoring Upper Aquifer groundwater levels.

Potential existing Upper Aquifer wells for which access has been denied or, upon investigation, do not otherwise meet the minimum criteria specified in Section 3.2.1.1 of the Coordination Agreement, will be removed and replaced with an alternate existing well with documented total depth and perforation interval located in the same area. If no other wells exist in the area, a new Upper Aquifer monitoring well may be constructed in the area.



Proposed New Upper Aquifer Monitoring Wells

New monitoring wells will be drilled in areas where there are no existing wells for monitoring in order to fill the data gaps. General areas for future monitoring wells are identified on Figure A1-2.

The depths and perforation intervals of the new Upper Aquifer monitoring wells will vary depending on location within the subbasin. In general, Upper Aquifer monitoring wells will be perforated from approximately 10 ft below the then current static groundwater level to the bottom of the Upper Aquifer, as defined by the Tule Subbasin conceptual model³ (see Figure A1-2). New Upper Aquifer wells constructed on the west side of the subbasin will be the deepest and new Upper Aquifer wells constructed on the east side of the subbasin will be shallowest. It is noted that the depths presented herein are for planning purposes. The final well construction details will be refined in the field during drilling once site-specific data have been obtained and reviewed. As such, the final well depths and perforation intervals may be adjusted for site specific conditions.

A conceptual well design drawing for new Upper Aquifer monitoring wells is shown on Figure A1-3. In general, new monitoring wells shall be constructed of 5-inch diameter Schedule 80 PVC blank and slotted casing. A filter pack for the new wells will be placed in the annular borehole space opposite the perforations from the total borehole depth to at least 10 feet above the top of perforations. The upper portion of the annular space shall be backfilled with a seal consisting of bentonite or other approved sealing material. The surface completion for each new monitoring well will include a steel above-ground riser equipped with a protective locking cap for keeping the wellhead secure. The above-ground riser will be surrounded by cement-filled steel bollards for further protection.

At some locations, the well will be completed as a nested well with two 5-inch diameter casings within the same borehole. One casing will be constructed in the Upper Aquifer and the other casing will be constructed in the Lower Aquifer (see Figure A1-4). A bentonite seal will be placed in the annular space between the two perforation intervals to ensure that the data collected from each casing will be specific to the aquifer in which it is perforated.

A dedicated reference point shall be established and marked on the top of each monitoring well casing. All groundwater level measurements shall be obtained relative to the reference point. The elevation of the reference point shall be surveyed to an accuracy of 0.1 foot relative to mean sea

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³ TH&Co, 2017a. Hydrogeological Conceptual Model and Water Budget for the Tule Subbasin. Prepared for the Tule Subbasin MOU Group. Dated August 1, 2017.

level (NAVD88) by a California licensed land surveyor. The location of each well will be surveyed to an accuracy of 1 foot.

2.1.1.2 Lower Aquifer Monitoring Wells

Lower Aquifer monitoring wells are shown on Figure A1-2. A total of 66 monitoring wells have been identified for monitoring the Lower Aquifer. For the purpose of this TSMP, an additional 15 composite wells and 4 Santa Margarita Aquifer wells are included with the Lower Aquifer wells. Of the Lower Aquifer, composite, and Santa Margarita Aquifer wells, 29 have been designated as RMS wells (see Table A1-2). These wells are further described below.

Existing Lower Aquifer Monitoring Wells with Historical Records

Of the 66 existing wells identified for monitoring the Lower Aquifer, nine are existing wells with historical groundwater level records and meet the minimum criteria specified in Section 3.2.1.1 of the Coordination Agreement. Groundwater level hydrographs for these wells are provided in Appendix B.

Existing Lower Aquifer Monitoring Wells - No Historical Records (to be Investigated)

There are numerous existing wells with documented total depth and perforation interval(s) within the Lower Aquifer that could be incorporated into the monitoring network but require further investigation. These wells have no historical groundwater level records and owner permission to access the wells has not been pursued. However, if access is approved by the owner and the wells are demonstrated to meet the minimum criteria for monitoring wells, they may be incorporated into the monitoring plan. Many of these existing Lower Aquifer wells, to be confirmed through further investigation, have been identified for consideration in the monitoring plan (see Figure A1-2; Table A1-2). In addition, 20 wells that are part of the water quality monitoring network are included in the groundwater level monitoring network. These wells have been selected to help fill aerial coverage data gaps for monitoring Lower Aquifer groundwater levels.

Potential existing Lower Aquifer wells for which access is denied or, upon investigation, do not otherwise meet the minimum criteria specified in Section 3.2.1.1 of the Coordination Agreement, will be removed and replaced with an alternate existing well with documented total depth and perforation interval located in the same area. If no other wells exist in the area, a new Lower Aquifer well will be constructed in the area.

Proposed New Lower Aquifer Monitoring Wells

New monitoring wells are planned to be constructed in the Lower Aquifer (see Figure A1-2). New Lower Aquifer monitoring wells will be drilled in areas where there are no existing wells for



monitoring in order to fill data gaps. General areas for future monitoring wells are identified on Figure A1-2.

The depths and perforation intervals of the new Lower Aquifer monitoring wells will vary depending on location within the subbasin. In general, Lower Aquifer monitoring wells will be perforated below the Corcoran Clay, where it has been mapped, or at depths where the aquifer is assumed to be confined, as defined by the Tule Subbasin conceptual model.⁴ New Lower Aquifer monitoring wells will be constructed with total depths ranging from 400 to 1,000 ft bgs, with the deepest wells in the western part of the subbasin and shallowest wells on the east side of the subbasin. It is noted that the depths presented herein are for planning purposes. The final well construction details will be refined in the field during drilling once site-specific data have been obtained and reviewed. As such, the final well depths and perforation intervals may be adjusted for site specific conditions.

A conceptual well design drawing for new Lower Aquifer monitoring wells is shown on Figure A1-5. In general, new monitoring wells shall be constructed of 4-inch diameter PVC blank and slotted casing. A dedicated reference point shall be established and marked on the top of each monitoring well casing. All groundwater level measurements shall be obtained relative to the reference point. The elevation of the reference point shall be surveyed to an accuracy of 0.1 foot relative to mean sea level (NAVD88) by a California licensed land surveyor. The location of each well will be surveyed to an accuracy of 1 foot.

2.1.2 Monitoring Procedure

Groundwater level measurements shall be collected from each well using either a steel tape, a calibrated well sounder, or a pressure transducer. Where possible, groundwater level measurements shall be collected with a steel tape or an electrical groundwater level sounder calibrated to the nearest 0.01 ft. For pre-existing wells with limited access, a calibrated steel tape and chalk may be used. All equipment must be in good working condition. No damaged or refurbished electrical sounding tape shall be used. All new monitoring wells shall be equipped with calibrated pressure transducers.

Groundwater level measurements must be representative of static (i.e. non-pumping) groundwater level conditions. To ensure measurement of static groundwater levels in active pumping wells, the field technician collecting the data must verify that the pump has been off for at least 24 hours prior to collecting the data.

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⁴ TH&Co, 2017a. Hydrogeological Conceptual Model and Water Budget for the Tule Subbasin. Prepared for the Tule Subbasin MOU Group. Dated August 1, 2017.

2.1.2.1 Manual Groundwater Level Measurements

The following monitoring procedure shall be used to obtain manual groundwater level measurements in the field:

- Upon arrival at each site, the field technician shall note the well name, time of day, and date on the standard groundwater level data form (see Appendix C).
- All monitoring equipment shall be cleaned prior to lowering it into the well(s) using the following decontamination procedure:
 - Wash equipment with an Alconox solution which is followed by a deionized water rinse.
 - Triple rinse equipment with deionized water.
 - o Place equipment on clean surface such as teflon or polyethylene sheet to air dry.
- To measure the depth to groundwater with a steel tape or an electrical sounder or meter, slowly lower the steel tape or water level electrical tape into the designated sounding port for production wells and into the main well for monitoring wells. Steel tapes and electrical tapes are lowered to the water surface, as determined by the audio signal, meter, or technician. Depths to groundwater are measured relative to the dedicated reference point at the top of the casing or sounding tube. Depth to groundwater shall be immediately recorded on the standard groundwater level data form (see Appendix C). Depths to groundwater shall be compared to previous measurements in the field and re-measured if significantly different.
- For wells with limited access (such as agricultural wells or domestic wells equipped with a pump), a steel tape and chalk may be used. For this method, chalk is applied to a 1- to 3-foot section of the steel tape prior to lowering in the well. The steel tape is lowered to a depth at least 1-ft below the static groundwater level and a whole number on the calibrated tape is matched to the reference point at the surface. Both the foot mark held at the reference point and the groundwater level observed on the chalk shall be recorded on the standard field forms (see Appendix D). The difference between the two is the depth to groundwater.
- When finished sounding the groundwater level, all downhole equipment shall be removed, and where existing, the well cap shall be replaced, and the riser locked.
- Prior to leaving the monitoring well site, the field representative shall note any physical changes in the concrete well pad and riser pipe, such as erosion, cracks or damage. All changes shall be recorded on the standard field forms provided in Appendices C, D, and E.



2.1.2.2 Automatic Groundwater Level Measurements Using Transducers

Transducers shall be installed in all new monitoring wells and existing monitoring wells identified as representative monitoring sites. Transducers shall be installed below the groundwater level with enough submergence to accommodate anticipated groundwater level fluctuations.

2.1.3 Frequency of Measurement

Groundwater level measurements from existing domestic and irrigation wells shown on Figure A1-2 will be collected semi-annually in the Spring (February/March) and in the Fall (October/November). To the extent possible, groundwater level monitoring events will be coordinated between GSAs so that measurements are taken at the time of greatest recovery and maximum depth.

Groundwater level measurements from all new monitoring wells and wells designated as representative monitoring sites will be collected using pressure transducers permanently installed in the wells and set to collect one measurement per day. Pressure transducers will be downloaded on a semi-annual basis. During each download session, the field technician will also obtain a manual groundwater level measurement in order to verify transducer readings and ensure that the instruments are working properly.

2.2 Reduction in Groundwater Storage § 354.34 (c) (2)

Changes in groundwater storage within the Tule Subbasin will be estimated using either of the methods identified in Section 3.6 of the Tule Subbasin Coordination Agreement. Groundwater level data to be relied on for the change in groundwater storage estimates will be collected as described in Section 2.1 of this TSMP.

2.3 Seawater Intrusion § 354.34 (c) (3)

Seawater intrusion cannot occur in the Tule Subbasin due to its location with respect to the Pacific Ocean. The Tule Subbasin is approximately 110 miles inland of the Pacific Ocean and is separated from the ocean by approximately 90 miles of sedimentary rocks that make up the Coast Ranges. These sedimentary rocks effectively separate the Pacific Ocean hydraulically from the aquifer system in the San Joaquin Valley. Further, the Coast Ranges are dissected by multiple northwest trending faults, the largest of which is the San Andreas Fault. These faults form groundwater flow barriers, which further act to separate the San Joaquin Valley aquifers from the Pacific Ocean. Accordingly, groundwater pumping in the Tule Subbasin cannot induce seawater intrusion. As such, monitoring for seawater intrusion is not necessary and is not included in this monitoring plan.



2.4 Degraded Water Quality § 354.34 (c) (4)

Groundwater samples shall be collected and analyzed annually, during summer months, from the wells shown on Figure A1-6 consistent with the Tule Basin Water Quality Coalition Groundwater Quality Trend Monitoring Program Workplan.⁵ The groundwater sampling protocols described herein will ensure that:

- Groundwater quality data are collected from the correct location
- Groundwater quality data are accurate and reproducible
- Groundwater quality data represent conditions that inform appropriate basin management decisions
- All salient information is recorded to normalize, if necessary, and compare data
- Data are handled in a way that ensures data integrity

2.4.1 Groundwater Quality Constituents to be Analyzed

Annual water quality monitoring of the wells shown on Figure A1-6 will include laboratory analysis for nitrate as N only (see Table A1-3). Prior to collecting the samples in the field, the field technician will collect measurements of temperature, pH, dissolved oxygen (DO) and electrical conductivity (EC) from the well discharge, as described in Section 2.4.2 herein.

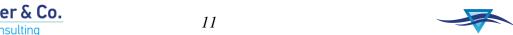
Every five years, samples from the wells shown on Figure A1-6 will be analyzed for an expanded list of analytes. In addition to nitrate, samples will be analyzed for total dissolved solids (TDS) and major cations and anions (see Table A1-3). Prior to collecting the samples in the field, the field technician shall collect measurements of temperature, pH, DO and EC from the well discharge, as described in Section 2.4.2 herein.

2.4.2 Groundwater Quality Samples from Existing Domestic Water Supply or Irrigation Wells

Domestic water supply and irrigation wells shall be sampled after purging the well for a period of time adequate to remove at least three well volumes removed prior to sampling (see Appendix E). If the well is currently pumping, this step is not necessary.

During pumping and prior to sample collection, the field technician shall obtain measurements of temperature, pH, DO and EC from water collected from the sample port. Meters for measuring pH, DO and EC shall be field calibrated in accordance with manufacturer's specifications at the beginning of each sampling day. Samples will be collected when: (1) a minimum of four sets of

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⁵ Tule Basin Water Quality Coalition, 2017. Groundwater Trend Monitoring Workplan. January 6, 2017.

parameter readings have been obtained; and (2) the temperature, pH, and EC reach relatively constant values.

All samples shall be collected from the discharge point nearest the well head and placed in laboratory-prepared sample containers. The technician collecting the sample shall wear new latex or neoprene gloves while collecting the sample. Sample containers shall be labeled before or immediately after sampling with self-adhesive tags having the following information written in waterproof ink:

- Project number
- Sample I.D. number
- Sample location
- Date and time sample was collected
- Initials of sample collector

2.4.3 Groundwater Quality Samples from Monitoring Wells

All groundwater samples from monitoring wells will be collected consistent with procedures described in the United States Environmental Protection Agency's (USEPA's) Low-flow (Minimal Drawdown) Groundwater Sampling Procedures. Low-flow purging can be conducted using either portable or dedicated (leave in well) pump systems. A submersible pump, diaphragm pump, or positive displacement pump, which may contain a bladder, may be used for evacuating (purging) the monitoring well casing and collecting the samples. The pump-intake should be set in the middle or slightly above the middle of the screened interval in the well. Other equipment necessary for collecting groundwater samples using the low-flow sampling method include:

- A water level measurement device, or water level sounder
- In-line flow through cell to monitor water quality parameters
- Field forms for documenting water quality parameters measured at each monitoring well
- Chain of custody forms
- Laboratory prepared sample containers from a State-certified laboratory with the appropriate labels for the analytes being measured
- Gloves
- Cleaning supplies for decontaminating
- Tubing for the pump

⁶ Puls, R.W., and Barcelona, M.J., 1996. Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures. EPA document 540/S-95-504.



All samples shall be collected from a discharge port at the wellhead and placed in laboratory-prepared sample containers. For dissolved trace metal analyses, samples will be collected in unpreserved bottles, then filtered through a 0.45-micron filter and acidified prior to analysis. The technician collecting the sample shall wear new latex or neoprene gloves while collecting the sample. Sample containers shall be labeled before or immediately after sampling with self-adhesive tags having the following information written in waterproof ink:

- Project number
- Sample I.D. number
- Sample location
- Date and time sample was collected
- Initials of sample collector

2.4.4 Well Sampling Records

Data collected during groundwater sampling will be recorded on the standard forms provided in Appendix F. Information and data to be recorded shall include:

- Sample I.D.
- Duplicate I.D., if applicable
- Date and time sampled
- Name of sample collector
- Well designation (State well numbering system for water supply wells)
- Owner's name, or other common designation
- Well diameter
- Depth to water on day sampled
- Casing volume on day sampled
- Method of purging (bailing, pumping, etc.)
- Extraordinary circumstances (if any)
- Field measurements temperature (0° C), pH, specific electrical conductivity (at 25°C µs/cm), and dissolved oxygen (mg/l)
- Number and type of sample container(s)
- Times corresponding to water quality measurements
- Pumping rate at time of sampling

In addition to the standard forms for collecting data, the field technician shall keep a daily field record for each day of fieldwork. Following review by the project manager, the original records shall be kept in the project file.



2.4.5 Handling, Storage and Transportation of Samples

Upon collection and labeling, all samples shall be placed immediately into a clean chest/cooler with ice in order to keep samples cool. Exposure to dust, direct sunlight, high temperature, adverse weather conditions, and possible contamination shall be avoided.

All samples will be transported to a State-certified analytical laboratory within 24 hours of collection. Samples shall be transported under chain-of-custody procedures, which document the transfer of custody of samples from the field to the laboratory. Each sample sent to the laboratory for analysis shall be recorded on a Chain-of-Custody Record, which includes instructions to the laboratory for analytical services.

Information contained on the triplicate Chain-of-Custody Record shall include:

- Project number
- Signature of sampler(s)
- Date and time sampled
- Sample I.D.
- Number of sample containers
- Sample matrix (water)
- Analyses required
- Remarks, including preservatives, special conditions, or specific quality control measures
- Turnaround time and person to receive laboratory report
- Method of shipment to the laboratory
- Release signature of sampler(s), and signatures of all people assuming custody
- Condition of samples when received by laboratory

Blank spaces on the Chain-of-Custody Record will be crossed out between the last sample listed and the signatures at the bottom of the sheet.

The field sampler shall sign the Chain-of-Custody Record and record the time and date at the time of transfer to the laboratory or to an intermediate person. A set of signatures is required for each relinquished/reserved transfer, including intermediate transfers. The original imprint of the Chain-of-Custody Record will accompany the sample containers. A duplicate copy shall be placed in the project file.

If the samples are to be shipped to the laboratory, the original Chain-of-Custody will be sealed inside a plastic bag within the ice chest, and the chest shall be sealed with custody tape which has been signed and dated by the last person listed on the Chain-of-Custody. U. S. Department of Transportation shipping requirements shall be followed and the sample shipping receipt retained in the project file as part of the permanent chain-of-custody document. The shipping company



(e.g. Federal Express, UPS, DHL) will not sign the chain-of-custody forms as a receiver, instead the laboratory shall sign as a receiver when the samples are received.

2.4.6 Quality Control Samples

Quality control samples shall consist of duplicates and blanks. At least one duplicate sample shall be collected during each day of sampling. The duplicate sample shall be collected from the same well as the original and immediately after the original sample. At least one blank sample shall be included with each batch of samples delivered to the laboratory. Blank samples shall consist of laboratory prepared deionized water that is containerized at the laboratory and delivered with the sample containers. Duplicate and blank samples will be analyzed by the laboratory, as specified in the project Quality Assurance Project Plan (QAPP)⁷ or by the project manager (see Appendix E).

2.4.7 Frequency of Measurement

Groundwater quality samples will be collected from the wells shown on Figure A1-6 on an annual basis, during the summer, and analyzed as described in Section 2.4.1 herein.

2.5 Land Subsidence 354.34 (c) (5)

Land surface subsidence has been observed in multiple areas within the Tule Subbasin. Based on United States Geological Survey (USGS) measurements and analysis of land subsidence that occurred in the area in the 1950s and 1960s,⁸ it has been determined that the land subsidence is associated with lowered groundwater levels due to groundwater pumping in areas where the subsurface contains a significant amount of clay and silt. Recent land subsidence in the Tule Subbasin has resulted in lowered flow capacity in the Friant-Kern Canal. Subsidence has also been observed from satellite data in the western portion of the subbasin.

2.5.1 Monitoring Features

Monitoring of changes in land surface elevation related to groundwater withdrawal will be conducted through global positioning surveys, data collected from extensometers, and satellite data.

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⁷ Tule Basin Water Quality Coalition, 2017. Groundwater Trend Monitoring Workplan. January 6, 2017.

⁸ Lofgren, B.E., and Klausing, R.L., 1969. Land Subsidence Due to Ground-Water Withdrawal, Tulare-Wasco Area of California. USGS Professional Paper 437-B.

2.5.1.1 Global Positioning Surveys

A total of 60 benchmark stations have been established to monitor changes in land elevation across the subbasin using GPS measurements (see Figure A1-7). Each survey station is a benchmark labeled with the station identification. An additional 34 benchmark stations established by the Friant Water Authority (FWA) are included in the monitoring network. In addition to the existing benchmark network, additional benchmarks may be established in the subbasin in the future.

Land surface elevations from the Porterville GPS Station (Station P056), located at the Porterville Airport (see Figure A1-7), are also included in this plan. The data is available through the University NAVSTAR Consortium (UNAVCO) website.

2.5.1.2 Extensometers

The USGS collects data on aquifer system compaction, which causes land subsidence, from one existing extensometer near Porterville (22S/27E-30D2; see Figure A1-7). This station is located adjacent to the Friant-Kern Canal approximately one mile north of the Deer Creek crossing. Data from this extensometer can be accessed via the USGS website.

In addition to the existing extensometer, additional extensometers may be established at strategic locations of the subbasin in the future.

2.5.1.3 Satellite Data (InSAR)

Changes in land surface elevation over time can be observed on a regional scale using satellite data. The data is generated using interferometric synthetic aperture radar (InSAR). InSAR data is available and will be obtained from the CDWR on a quarterly basis.

2.5.2 Monitoring Procedure

2.5.2.1 Global Positioning Surveys

The GPS network will be established and monitored in accordance with National Geodetic Survey (NGS) Guidelines for Establishing GPS-Derived Ellipsoid Heights (National Oceanographic and Atmospheric Administration and Guidelines for Establishing GPS-Derived Orthometric Heights. All GPS-derived elevations will be constrained to an established NGS benchmark located on Lake

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⁹ NOAA, 1997.

Success Dam (KT 200). All land surface elevation readings will be to an accuracy of 0.1 feet relative to NAVD88.

Land surface elevations from the Porterville GPS Station will be downloaded from the UNAVCO website as needed.

2.5.2.2 Extensometers

The USGS extensometer is equipped with a continuous monitoring device to record aquifer system compaction. Aquifer system compaction data will be downloaded from the USGS website for analysis as data updates are available.

2.5.2.3 Satellite Data (InSAR)

InSAR data will be obtained from the Jet Propulsion Laboratory, USGS, or European Space Agency for processing. The data will be analyzed and interpreted by an outside professional (Neva Ridge Technologies, Inc. or approved equal) in order to develop maps showing regional land surface changes.

2.5.3 Frequency of Measurement

2.5.3.1 Global Positioning Surveys

GPS surveys of the stations shown on Figure A1-7 will be conducted on an annual basis correlated to groundwater quality sampling events. GPS surveys of stations located within the Friant-Kern Canal Monitoring Zone will be conducted on a quarterly basis.

2.5.3.2 Extensometers

Aquifer system compaction is measured on a continuous basis at the USGS extensometer. Aquifer system compaction data will be downloaded from the USGS website for analysis as data updates are available.

2.5.3.3 Satellite Data (InSAR)

InSAR data will be obtained and analyzed on a quarterly basis.

2.6 Depletions of Interconnected Surface Water 354.34 (c) (6)

Surface water flow in the Tule River and Deer Creek ultimately flow into the historical Tulare Lake but only during periods of prolonged above-normal precipitation. Surface water flow in the White River does not reach the Tulare Lake bed. Surface water flow in the Tule River, including flow beyond the Tule Subbasin, is monitored and managed by the Tule River Association (TRA).



Surface water flow in the Deer Creek and White River are monitored by the USGS and USBR. The monitoring features, monitoring procedures, and monitoring frequency for surface water in the Tule Subbasin follows the features, procedures, and frequency already in place by these organizations.

2.6.1 Monitoring Features

A primary source of water to the Tule Subbasin is surface water runoff originating in the Sierra Nevada Mountains. The primary rivers/streams contributing surface water to the subbasin include the Tule River, Deer Creek, and White River (see Figure A1-8). Each of these rivers/streams contain existing surface water monitoring stations for the collection of both stream flow and surface water quality. The following summarizes the key monitoring features and locations in the subbasin.

2.6.1.1 Tule River

Stream flow in the portion of the Tule River that is within the Tule Subbasin is determined by controlled releases from Lake Success, measured by the Army Corps of Engineers (ACOE). Stream flow entering Lake Success is measured and distributed to various water rights holders as allocated at Success Dam in accordance with the Tule River Water Diversion Schedule and Storage Agreement.¹⁰ The accounting of surface water flow, storage, streambed losses, and diversions is documented for each water year in the TRA annual reports from 1962 through 2017.

Tule River Stream Flow - Main Channel

Stream flow in the Tule River is measured by the ACOE below Success Dam, at Rockford Station downstream of Porterville, and at Turnbull Weir by the TRA (see Figure A1-8). In addition, releases of imported Central Valley Project water into the Tule River and Porter Slough from the Friant-Kern Canal are conducted at two locations, which are measured via weir structures managed by the USBR. Details regarding the location and construction of each stream flow gage are provided in Table A1-4.

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¹⁰ TRA, 1966. Tule River Diversion Schedule and Storage Agreement. Dated February 1, 1966; revised June 16, 1966.

Tule River Diversions - Structures and Headgates

Between Lake Success Dam and the Turnbull Weir, water is diverted from the Tule River to various water right holders. Diversion locations are shown on Figure A1-8 and described as follows:

Pioneer Water Company:

The headgate is a portion of the Success Reservoir outlet works and consists of a 42-inch gated conduit. The gaging station is a standard 5-foot concrete Parshall flume located 100 feet downstream of the reservoir outlet works at a point approximately 2,100 feet south and 1,400 feet east of the northwest corner of Section 35, Township 21 South, Range 28 East, M.D.B.&M., being in the southeast quarter of the northeast quarter of said Section 35.

Porter Slough at Headgate

The Porter Slough Headgate diverts water from the main channel of the Tule River to the Porter Slough, an ancestral branch of the Tule River that extends from the headgate to the LTRID No. 4 Canal (see Figure A1-8). The headgate is located in the southeast quarter of the northeast quarter of Section 4, Township 22 South, Range 28 East, M.D.B.&M. Five bays of flashboards control the diversions from the Tule River in Porter Slough.

Flows at the headgate of Porter Slough are computed by the addition of 5 cubic-feet per second to the daily mean flows measured at the Porter Slough at Porterville (B Lane) gaging station.

Porter Slough at Porterville

The gaging station is a rated section of the natural channel situated approximately 2,900 feet west and 1,100 feet north of the southeast corner of Section 32, Township 21 South, Range 28 East, M.D.B.&M. and 1.4 miles below the Porter Slough headgate in the Boydston Weir.

Porter Slough Ditch Company

The headgate is located in the Porter Slough check structure at Putnam Street being approximately 2,500 feet west and 1,500 feet north of the Southeast corner of Section 26, Township 21 South, Range 27 East, M.D.B.&M., being in the northwest quarter of the southeast quarter of said Section 26. The gaging station is a rated section 150 feet below the headgate.



Porter Slough Below Avenue 192

Porter Slough terminates with discharge through a concrete check structure into the No. 4 Canal of LTRID located near the center of Section 11, Township 21 South, Range 26 East, M.D.B.&M., one-half mile easterly of Tulare County Road 192. A daily weir measurement is used for recording the flow of Porter Slough Below 192.

Downstream of Avenue 192, the Porter Slough discharges into a series of unlined canals that deliver water to farmers in the LTRID.

Campbell and Moreland Ditch Company:

The headgate is located near the South end of Boydston Weir at a point approximately 600 feet west and 1,700 feet south of the northeast corner of Section 4, Township 22 South, Range 28 East, M.D.B.&M., being in the southeast quarter of the northeast quarter of said Section 4. The gaging station is a rated concrete lined canal section 2,600 feet below the headgate.

Vandalia Ditch Company:

The headgate is located in the south end of Vandalia Weir at a point approximately 1,160 feet west and 170 feet north of the southeast corner of Section 32, Township 21 South, Range 28 East, M.D.B.&M., being in the southeast quarter of the southeast quarter of said Section 32. The gaging station is a rated section 1,000 feet below the headgate.

Hubbs & Miner Ditch Company:

The canal diverts along the North levee of the Tule River at a point approximately 2,600 feet west and 2,100 feet north of the southeast corner of Section 35, Township 21 South, Range 27 East, M.D.B.&M., being in the northwest quarter of the southeast quarter of said Section 35. The gaging station is a rated section 3,100 feet below the canal diversion and 85 feet downstream of the River bypass headgate structure.

Poplar Irrigation Company:

The canal diverts along the south levee of the Tule River at a point approximately 740 feet west and 1,000 feet north of the southeast corner of Section 36, Township 21 South, Range 27 East, M.D.B.&M., being in the southeast quarter of the southeast quarter of said Section 36. The gaging station is a rated section 3,400 feet below the canal diversion and 325 feet downstream of the River bypass headgate structure.

Woods-Central Ditch Company:

The headgate structure is located in the South bank of the Tule River at a point approximately 2,300 feet west and 2,200 feet north of the southeast corner of Section 30,



Township 21 South, Range 27 East, M.D.B.&M., being in the northwest quarter of the southeast quarter of said Section 30. The gaging station is a rated section 150 feet below the River diversion.

2.6.1.2 Deer Creek

Deer Creek is a natural drainage that originates in the Sierra Nevada Mountains, flowing in a westerly direction north of Terra Bella and between Pixley and Earlimart (see Figure A1-8). The Deer Creek channel extends to the Homeland Canal, although surface water flow rarely reaches that location.

Deer Creek Stream Flow

Stream flow in Deer Creek is measured at the United States Geological Survey (USGS) gage at Fountain Springs (five miles east of, and outside of, the Tule Subbasin boundary), Trenton Weir, and at the point where Deer Creek outlets to the Homeland Canal (see Figure A1-8). Details regarding the location and construction of each stream flow gage are provided in Table A-4 and summarized below.

Friant-Kern Canal Discharges into Deer Creek

Friant-Kern Canal water is also discharged into Deer Creek approximately five miles upstream of Trenton Weir and measured by the USBR (see Figure A1-8).

2.6.1.3 White River

The White River drains out of the Sierra Nevada Mountains east of the community of Richgrove in the southern portion of the Tule Subbasin (see Figure A1-8). The White River channel extends as far as State Highway 99 but does not reach the historical Tulare Lake bed. Streamflow in this river is currently monitored manually at Road 208 by the Tule Basin Water Quality Coalition and the Delano-Earlimart Irrigation District.

2.6.2 Monitoring Procedure

2.6.2.1 Surface Water Flow Measurements

With the exception of the White River Turnbull Weir at Road 208, Porter Slough at 192, and Deer Creek outlet to Homeland Canal, all gaging stations and diversion structures on the Tule River and Deer Creek are equipped with water stage recorders that collect water stage readings automatically every 15 minutes. The gage on the Tule River Below Success Dam is operated and managed by the ACOE. The Trenton Weir on Deer Creek is operated and managed by the ACOE. All other gages (with the exceptions noted) report data electronically in real time to the TRA/LTRID.



Stream flow at the Turnbull Weir is measured manually when flow passes the gage. Manual measurements involve recording the reading on the staff gage in the river and conducting current meter measurements for verifying the rating curve and table. Current meter measurements will be collected within the rated section of the natural channel under laminar flow conditions. The required frequency of manual measurements at the Turnbull Weir is addressed in Section 2.6.3. Staff gage and current meter readings are recorded immediately after completion of the measurement and any significant shifts are verified immediately by re-measurement. All readings are recorded on standard forms that include the time the measurement began, the time the measurement was completed, the staff gage height in feet to the nearest hundredth, and any other pertinent data with respect to channel conditions, growth, etc.

For water stage recorders, should the flow double within any 24-hour period, the bi-hourly gage heights shall be converted to second-foot flows and the mean daily flow computed from the second-foot quantities rather than utilizing the normal procedure of obtaining a mean daily gage height and the gage height to a second-foot flow. In the final review of gage sheets, shifts shall be prorated through the period during which the change occurred as determined from the current meter measurements, unless the Hydrographer determines a specific reason for the shift to occur at a definite time.

2.6.2.2 Surface Water Quality Measurements

Surface water quality samples have historically been collected and analyzed from the Tule River, Deer Creek and White River by the Tule Basin Water Quality Coalition surface water quality program. Surface water quality monitoring stations are shown on Figure A1-8.

Surface Water Quality Monitoring Locations - Tule River

Porter Slough at Road 192

Surface water quality samples are collected from Porter Slough upstream of the discharge into the LTRID canal (see Figure A1-8). This surface water monitoring site is located approximately eight miles northwest of Porterville, California.

Tule River at Road 144

Surface water quality samples are collected from the North Fork of the Tule River at Road 144, approximately 3.5 miles northwest of Woodville, California.

Tule River at Road 92

Surface water quality samples are collected from the Tule River at Road 92, approximately four miles northwest of Tipton, California.



Surface Water Quality Monitoring Locations - Deer Creek

Surface water samples are collected from the following locations in Deer Creek:

Deer Creek at Road 248

Located approximately 2.5 miles northeast of Terra Bella in the foothills of the Sierra Nevada Mountains.

Deer Creek at Road 176

Located at Trenton Weir.

Deer Creek at Road 120

Located approximately six miles southeast of Pixley, California at the Road 120 bridge.

Surface Water Quality Monitoring Locations - White River

Surface water quality samples are collected from the White River at Road 208 when flow occurs.

2.6.2.3 Surface Water Quality Constituents

Each surface water quality sample is analyzed by a State certified analytical laboratory for the constituents listed in Table A1-5. In general, these constituents include electrical conductivity (EC), pH, dissolved oxygen (DO), E. Coli bacteria, total organic carbon (TOC), total suspended solids (TSS), total dissolved solids (TDS), turbidity, selected metals, hardness, ammonia, nitrate as N, orthophosphate, and phosphorus.

2.6.3 Frequency of Measurement

2.6.3.1 Stream Flow

Stream flows at gaged stations and diversion points are measured on a continuous basis and electronically transmitted to the TRA/LTRID.

For stream flows at locations with no established gage (e.g. Turnbull Weir and Porter Slough at 192), a current meter measurement is made at least once every two weeks when flows occur. An initial current meter measurement is made as soon as flow is detected and a final current meter measurement is made just prior to discontinuance of flow. Current meter measurements are made when a major change in the stage of flow occurs whether the flow is an increase or a decrease.



2.6.3.2 Surface Water Quality

Surface water quality samples are collected from all of the surface water quality monitoring locations shown on Figure A1-8 on a monthly basis when flow occurs.

2.6.4 Stream Gage Calibration and Maintenance

Manual readings are conducted at each active gaging station at least once per month in order to assess the accuracy of the gage reading to the rating curve. Adjustments are made as necessary.

All gaging stations undergo maintenance at least once per year to clean and backwash inlet pipes, clean and adjust recorder and appurtenances, check and repair time clocks, and repaint the station enclosures, as needed. If the time is off more than one-half hour, or the pen is off more than 0.05 feet, the recorder is reset to correct readings, the pen shall conform to the tape, and the drum shall be rolled for restarting the operation on a new coordinate with revised gage heights denoted.

Gage sheets are reduced as readily as possible after removal from the recorder withadditional notations made for assistance in subsequent reviews. Such notations includeestimated flows should the recorder provide an incomplete recording due to fouling, clock malfunction or if growth is observed in the channel.





3.0 Representative Monitoring §354.36

3.1.1 Groundwater Levels

A subset of groundwater level monitoring features in the monitoring plan have been identified as representative monitoring sites to be relied on for the purpose of assessing progress with respect to groundwater level sustainability in the subbasin. The representative groundwater level monitoring sites are shown on Figure A1-2. At least one representative groundwater level monitoring site has been identified within each management area. Where possible based on available wells, representative monitoring sites have been chosen with perforations exclusively in either the Upper or Lower Aquifer. To provide adequate spatial coverage of the subbasin, some representative monitoring sites include perforations across multiple aquifers until new monitoring features can be constructed. Representative groundwater level monitoring wells will be equipped with pressure transducers to measure groundwater levels on a daily basis.

3.1.2 Reduction of Groundwater Storage

Changes in groundwater storage within the Tule Subbasin will be estimated using either of the methods identified in Section 3.6 of the Tule Subbasin Coordination Agreement. Groundwater level data to be relied on for the change in groundwater storage estimates will be collected as described in Section 2.1 of this TSMP from the monitoring network shown on Figures A1-2 and A1-5. As such, there are no single representative monitoring sites for evaluating progress with respect to groundwater sustainability as it relates to changes in groundwater storage in the subbasin.

3.1.3 Seawater Intrusion

Seawater intrusion cannot occur in the Tule Subbasin due to its location with respect to the Pacific Ocean (see Section 2.3 herein). As such, representative monitoring sites for evaluating progress with respect to groundwater sustainability as it relates to seawater intrusion are not needed.

3.1.4 Degraded Groundwater Quality

Groundwater quality degradation in the Tule Subbasin is being monitored and regulated under the Irrigated Lands Regulatory Program (ILRP) and CV Salts. Monitoring of groundwater quality as it relates to the sustainability of the Tule Subbasin is focused on potential changes in the direction and/or flow rate of existing point-source groundwater contaminant plumes. These plumes have been identified and described in Section 2.2.4 of the Tule Subbasin Setting (Attachment 2 of the Tule Subbasin Coordination Agreement). As changes in the movement of contaminant plumes occurs as a result of changes in groundwater levels, the representative monitoring sites identified



for groundwater levels (Section 3.1.1 herein) serve as proxy representative monitoring sites for the potential movement of existing groundwater contaminant plumes.

3.1.5 Land Subsidence

Representative monitoring sites for land subsidence within the Tule Subbasin consist of the network of GPS benchmark stations shown on Figure A1-7. Land subsidence has been measured along the canal in the past and further land subsidence is considered an undesirable result as it restricts the ability to deliver water downstream of the area of subsidence. Measured subsidence at these GPS stations will inform progress as it relates to arresting future land subsidence along the canal.

3.1.6 Interconnected Surface Water

As described in Section 2.2.7 of the Tule Subbasin Setting (Tule Subbasin Coordination Agreement Attachment 2), there are no interconnected surface water systems within the Tule Subbasin. As such, representative monitoring sites for evaluating progress with respect to groundwater sustainability as it relates to interconnected surface water are not needed.





4.0 Assessment and Improvement of Monitoring Network §354.38

The TSMP is both flexible and iterative, allowing for the addition or subtraction of monitoring features, as necessary, and to accommodate changes in monitoring frequency and alternative methodologies, as appropriate.

4.1 Data Gaps §354.38 (b)

4.1.1 Groundwater Monitoring Data Gaps

Despite the number of existing monitoring wells that have been identified within the Tule Subbasin, there remain data gaps that, if addressed, would improve the ability to monitor groundwater level changes and flow patterns specific to the Upper and Lower aquifers. The current data gaps relate primarily to spatial coverage of monitoring features necessary to prepare complete groundwater level contour maps specific to the Upper and Lower aquifers in the subbasin.

In addition to groundwater level data gaps, there is a lack of aquifer parameter data, as obtained from controlled pumping tests of wells. The groundwater flow model has been developed based predominantly on short-term pumping tests, which enable the development of estimates of aquifer transmissivity. However, these tests are not as representative as long-term pumping tests (24-hr tests or longer). Further, pumping tests where groundwater level interference is measured in nearby monitoring wells have not been conducted. These tests enable the estimation of aquifer storage properties. During the construction of new monitoring features, it is anticipated that long-term pumping tests will be conducted to obtain aquifer parameter data specific to both the Upper and Lower aquifers. Further, pumping tests will be planned, where feasible, on existing high-capacity groundwater production wells.

Recommended Monitoring Features and Testing to Address Data Gaps §354.38 (d)

Identification of new monitoring well locations is an ongoing effort in the Tule Subbasin. Potential areas for new wells to address groundwater level data gaps are shown on Figure A1-2 and described in Sections 2.1.1.1 and 2.1.1.2 herein. The new monitoring wells, combined with existing monitoring wells, will improve the Tule Subbasin TAC's ability to develop detailed and representative groundwater contour maps and provide a better network of calibration targets for the subbasin-wide groundwater model. It is further anticipated that many of the new monitoring wells will eventually replace currently assigned representative monitoring sites.

As described in Section 2.1.1.1 herein, some of the new monitoring wells will be constructed as nested wells with two casing installed in the same borehole, each perforated in a distinct aquifer and isolated with a seal to ensure measurement of data unique to either the Upper or Lower aquifer.



In order to address the aquifer parameter data gaps, it is recommended to conduct controlled, long-term pumping tests in selected wells within the subbasin. Tests should be conducted in wells perforated exclusively in the Upper Aquifer and exclusively in the Lower Aquifer. Pumping wells will be selected near proposed monitoring wells in order to enable pumping interference measurements during the test. Each test will consist of a 24-hr constant rate pumping test.

4.1.2 Land Surface Monitoring Data Gaps

InSAR data that cover the entire Tule Subbasin have been historically available and indicate areas where land subsidence has been occurring. Confirmation of these data with more conventional land based survey methods such as GPS is ongoing. The USGS has refurbished one extensometer, which is located approximately one mile north of Deer Creek along the Friant-Kern Canal and is included in this plan. However, characteristics of aquifer system compaction in the northwestern portion of the subbasin, which is hydrogeologically different than the area where the existing extensometer is located, is unknown and represents a data gap.

Recommended Monitoring Features to Address Land Surface Monitoring Data Gaps §354.38 (d)

At least one new extensometer is recommended for the vicinity of the Homeland Canal at Highway 43 in the northwest portion of the subbasin. This instrument will provide the most accurate assessment of aquifer system compaction in the area of greatest subsidence in the subbasin.

4.1.3 Surface Water Monitoring Data Gaps

The following surface water monitoring data gaps have been identified for the Tule Subbasin:

- <u>Tule River near Porterville</u> Channel infiltration losses in the upper portion of the Tule River are currently calculated between the gage below Success Dam and the gage at the Rockford Station, which is a 10-mile stretch of the river. It appears that more of the infiltration losses occur in the upper portion of the channel reach than in the lower. An intermediate gage between the Poplar diversion and Woods Central would be beneficial to understand the volume of infiltration losses above and below this point.
- <u>Tule River at McCarthy Check</u> Channel infiltration losses between the Rockford Station and the Turnbull Weir are not well documented. An additional gage at the McCarthy Check at Road 96 (see Figure A1-8) would provide additional information on the channel losses upstream of this point and between McCarthy Check and Turnbull Weir.
- <u>Deer Creek at Friant-Kern Canal</u> While the releases of imported water from the Friant-Kern Canal to the Deer Creek channel are well documented, the channel infiltration losses



between the Friant-Kern Canal and the Trenton Weir are not. An additional gage immediately upstream of the Friant-Kern Canal would enable the measurement of flows attributed to both imported water and natural stream flow as well as a better estimate of channel losses between these two points.

- Deer Creek at Homeland Canal Stream flows at the downstream end of Deer Creek periodically reaches, and are discharged to, the Homeland Canal (see Figure A1-8). The nature and historical records of this discharge are not available and present a data gap for the surface water budget of the subbasin. Further, a gage record at this location would provide information on streambed infiltration during periods of time when surface water in Deer Creek reaches Homeland Canal.
- White River Historical stream flow in the White River has been measured by the USGS at the gage near Ducor (see Figure A1-8). However, this gage is no longer active leaving a data gap for the volume of surface water entering the subbasin from this river (current estimates of flow into the subbasin are based on correlations with flows of Deer Creek). Further, there are no established gages downstream of this point.

Recommended Surface Water Monitoring Features to Fill the Data Gaps §354.38 (d)

The following surface water monitoring features are recommended to address the surface water data gaps:

- <u>Tule River</u> Establish a rated section of channel, concrete weir structure and water stage recorder at an appropriate location between the Poplar diversion and the Rockford Station gage; and establish a rated section of channel, concrete weir structure and water stage recorder at the McCarthy Check.
- <u>Deer Creek</u> Establish a stream gage immediately upstream of the Friant-Kern Canal to enable the portion of flow in the channel attributed to native stream flow and the portion attributed to imported Central Valley Project releases. Investigate the discharge structure at the Deer Creek inlet to Homeland Canal and develop a gaging station.
- White River Refurbish and reinstate the USGS gage immediately east of the Tule Subbasin boundary near Ducor. Establish a rated section of channel, concrete weir structure and water stage recorder at Road 208 (if this has not already occurred).



5.0 Tule Subbasin Data Management System

Efficient data management will be a critical aspect of the Coordination Agreement in order to ensure that each GSA can access the data needed to prepare their respective annual reports in a timely manner and to ensure that the Tule Subbasin TAC can meet deadlines for submittal of the coordinated reports. Data to be managed will include:

- A. Historical data used as a basis for the Water Budget of the Tule Subbasin.
- B. Data to be collected in accordance with the Tule Subbasin Monitoring Plan.

Both historical and future data collected as part of this TSMP will be stored in a single comprehensive electronic database. This section satisfies § 352.6 of SGMA Regulations, which requires each agency to develop and maintain a data management system (DMS) that is capable of storing and reporting information relevant to the development and implementation of the plan and monitoring of the basin. The following table outlines the sections of the Tule Subbasin DMS as they relate to the various components of the SGMA Regulations.

Tule Subbasin DMS SGMA Requirements **SGMA** Regulation Coordination Agreement Description Section No. Corresponding Section § 352.4 Section 5.2 Data and Reporting Standards § 352.6 Section 5 Data Management System § 353.4 Section 5.2.4.2 Reporting Provisions § 354.4 Section 5.2.4.2 Reporting Monitoring Data to the Department **Annual Reports** § 356.2 Section 5.2.4.2

Table A1-6 - Tule Subbasin DMS SGMA Requirements

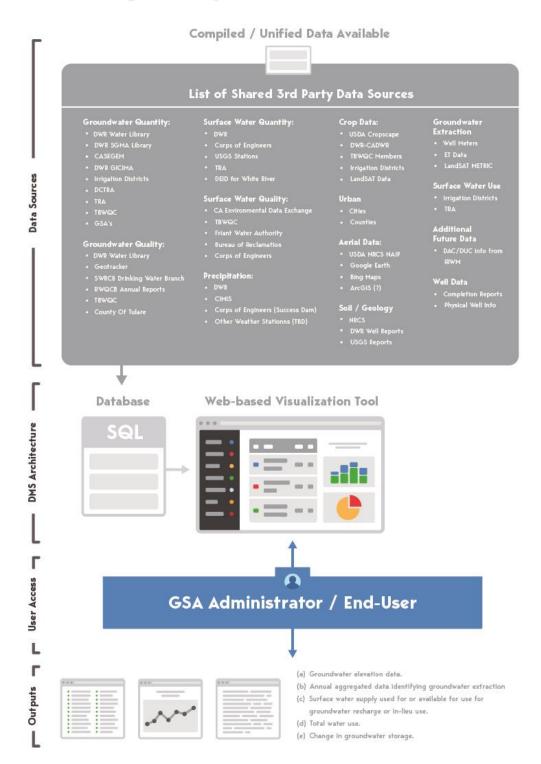
5.1 Overview of Tule Subbasin Data Management System

The Data Management System will allow users to view program data in comparison with all publicly available data from federal, state, and local jurisdictions to make the most informed decisions. Users will be able to submit, query, view, and analyze data as needed. The Tule Subbasin Data Management System (DMS) is comprised of two separate coordinated systems that include a SQL server and a web-based visualization platform. SQL will function as the storage and retrieval system to display the data in the web-based visualization platform. Users will have access to data sets through the web-based platform, to export data, import data, and view data in a dashboard format.



Figure A1-9 Data Management System Overview

Tule Subbasin Data Management System







5.2 Functionality of the Data Management System

The DMS will be comprised of various tools designed to assist GSAs in the development and implementation of their groundwater sustainability plans. At its Core, the DMS is a data storage system which grants users access to interact and upload data required to comply with SGMA regulations. Guiding the implementation of the DMS are the rules laid out in the following sections.

5.2.1 User and Data Access Permissions

User data access and permissions will be based on the predetermined user type and data source by the system administrator. User types include:

- System Admin Users with this permission can perform all administrative functions.
- <u>SGMA End-User</u> Users with this permission can perform all APN / Parcel Level functions and have access to Basin Level and GSA Level Public Data.
- End User Delegate Users with this permission can perform all APN / Parcel Level functions and have access to Basin Level and GSA Level Public Data.
- <u>GSA Staff</u> Users with this permission can perform all Farm Level and GSA Level functions and have access to Basin Level Public Data.
- <u>GSA Manager</u> Users with this permission can perform all APN / Parcel Level and GSA Level functions and have access to Basin Level Public Data.
- <u>Public User</u> Users may view published data but cannot import or edit information

Data viewing and access will be limited on geographic extent based on the user, such as a landowner will only be able to view data for land he/she owns or an administrator of the GSA can view data for the GSA he/she represents. Data from private or user sources will be protected in the system while publicly available data will be available basin wide. Data Source types include:

- <u>Public</u> Federal, State, or local published data
- <u>Private</u> District or agency specific data
- Shared SGMA data available for all users of DMS excluding public users
- User user specific data
- <u>DMS</u> Data available from other programs (IRLP)
- <u>Published</u> Data from SGMA/GSA sources available for public consumption

5.2.2 Data Entry and Validation

To encourage agency and user participation in the DMS, data entry and import tools are easy-to-use, accessible via web-based interface, and help maintain data consistency and standardization.



The DMS allows GSA Administrators and Users to enter data either manually via easy-to-use interfaces, or through an import tool utilizing standardized Microsoft Excel templates, ensuring data may be entered into the DMS consistently. The data imported will require validation by the managing GSAs Administrators or Users using a number of quality control checks prior to final import into the DMS. All data included in the system will comply with data standards laid out in § 352.4 of the SGMA Act.

5.2.2.1 Data Collection

The Tule Subbasin DMS is populated with data from various sources including public, private, contributing DMSs, and user data. Data collected in accordance with the Tule Subbasin Monitoring Plan as well as data regarding key water management areas, include:

- Precipitation
- Evapotranspiration
- Surface water flow
- Groundwater levels
- Groundwater quality
- Groundwater extraction
- Imported water deliveries
- Managed recharge
- Land surface elevation
- Land Subsidence measurements

5.2.2.2 Monitoring Data Entry (QA / QC)

For purposes of this plan, quality assurance (QA) is defined as the integrated program designed to assure reliability of monitoring and measurement data. Quality control (QC) is defined as the routine application of specified procedures to obtain prescribed standards of performance in the monitoring and measurement process.

Different monitoring protocols exist for the various data types stored in the DMS. Public sources included in the DMS as published from the source and referenced as such. User entry and private sourced data will be closely monitored for formatting and accuracy, in addition requiring chain of custody and acknowledgement of following protocols defined in the Monitoring Plan. These sources will be required to submit through pre-established forms to maintain the validity of the DMS.

5.2.2.3 Data Validation

Data Validation is required for non-public sources and will be performed in the following ways:

• Standardized Form Input: meant to comply with what is required by law



- Using known possible values for a dataset: This would represent a baseline range of what can be typed into an input. Ex: Parcels Assessed Acreage vs Irrigated Acreage
- **Data/Field Normalization:** Establishing unit consistency between datasets. The DMS will keep a normalized value behind the scenes for each variation of a reported unit. Regular Expressions on inputs to control the type/format of information being submitted to the DMS.
- Outlier filtering: Outlier filtering when interacting with publicly available data
 or data that has been mass imported. Using Statistical Analysis methods, any
 statistical outliers will be filtered out of reports unless the end user opts to have
 them included.

5.2.3 Visualizations and Analysis

The DMS will host a robust visualization and analysis component to allow end users the ability to view and provide context to the data. This can be performed in Map and Tabular views, as shown in Figure A1-10.

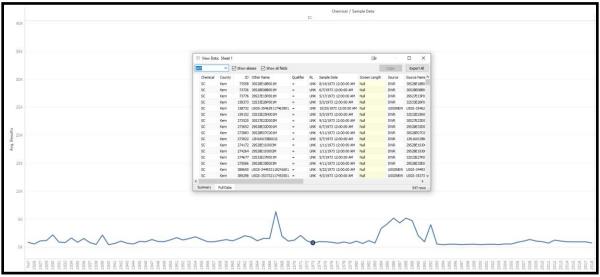


Figure A1-10: DMS Data Visualization Example - Average Specific Conductivity by Year within the Tule Sub Basin.

5.2.3.1 Map View

Map view in the DMS will allow users to visualize data that has spatial characteristics (wells, stream gages, precipitation stations, etc). **Figure A1-11** is an example of well data in the DMS. In map view users can scroll around the selected source data and click on the sites to bring up site specific information.



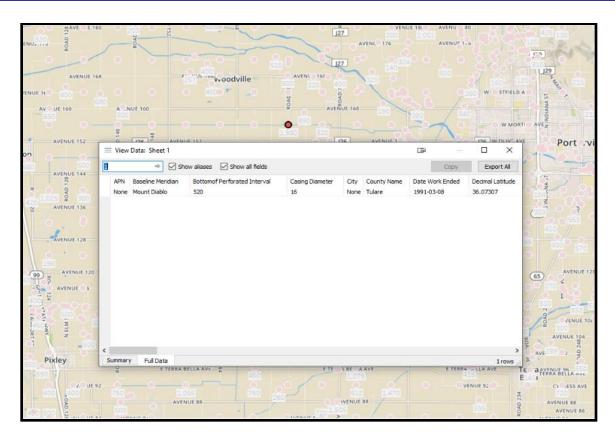


Figure A1-11: DMS Map View Example - Total Completed Well Depth Map

5.2.3.2 List View

List view presents all the data of a given dataset in tabular form. It will allow users to see all the data in the chosen data set and their attributes. Data is able to be filtered for specific attributes, geographic extent, and various other criteria.

5.2.4 Query and Reporting

Data in the DMS can be queried and reporting using various filtering and querying tools. The options are dependant on the source of the data. Reports can be prepared from the queried DMS for various formats based on the submitting agency.

5.2.4.1 *Ad-hoc Query*

As a relational database the DMS will have the ability to be queried by users with designed limitations for various end users (see section 5.2.1). Putting these limitations aside, any data included in the DMS can be queried based on the attributes which adhere to the data source (i.e data type, data source, parameters, geographic location, etc.). See **Figures A1-12 and A1-13** for querying examples.



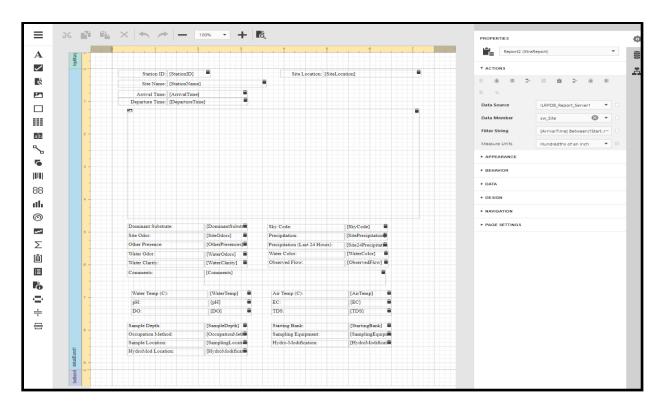


Figure A1-12: Ad Hoc Report Builder Designer View

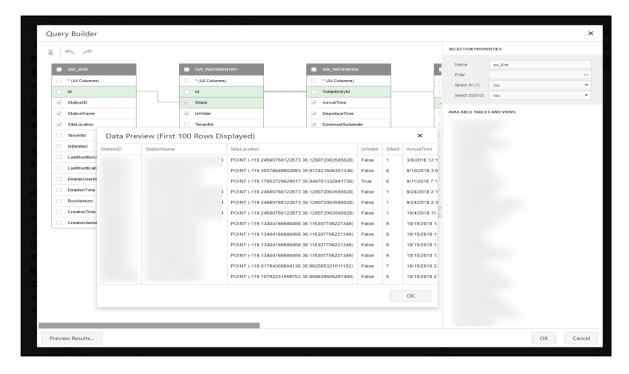


Figure A1-13: Redacted Ad Hoc Query Builder Example





5.2.4.2 Standard Reports

Standard report chart and table formats such as those included in the annual and 5-year reports can be generated utilizing the DMS. Additional reporting requirements can be created by end users. In order to provide end users with flexibility in reporting, the tools are intended to be self-serviced by the end-users. End-users will be able to create their own reports using data they have permission to access.

If commonality is discovered between participating agencies, a Standardized report can be created and shared with all agencies that as required. All generated reports and reporting tools will be built to comply with § 352.4 of the SGMA Act.

5.3 Data Included in the Data Management System

Table A1-7: Summary of Data included in DMS identifies the specific data type, the source of the data, and entry of the data in to the DMS.

Table A1-7: Summary of Data

Data Type		Source Name	Entry Type	
Groundwater Quantity	DWR Water Library		Public Source	
	DWR GICIMA		Public Source	
	CASGEM		Public Source	
	Irrigation Districts		Private Source	
	DCTRA		Private Source	
	TRA		Private Source	
	TBWQC		DMS Transfer	
	GSA'S			
	>	LTRID GSA	User Entry	
	>	Pixley GSA	User Entry	
	>	ET GSA	User Entry	
	>	DEID GSA	User Entry	
	>	Tri- County GSA	User Entry	
		Tulare County GSA	User Entry	

	>	Alpaught GSA	User Entry
Groundwater Quality	DWR Water Library		Public Source
	GAMA Geotracker		Public Source
	SCWRB Drinking Water Branch		Public Source
	RWQCB Annual Reports		Public Source
	TBWQC		Public Source
	County of Tulare		Public Source
Surface Water	Army Corps of Engineers		Public Source
	USGS Gaging Stations		Public Source
Quantity	Bureau of Reclamation		Public Source
	Tule River Authority		Private Source
	DWR - CDEC	Stations	Public Source
Surface Water Quality	CA Environmental Data Exchange		Public Source
	TBWQC		DMS Transfer
	Friant Water Authority		Public Source
	Corps of Engineers		Public Source
	DWR		Public Source
Precipitation	CIMIS		Public Source
	Corps of Engineers		Public Source
	TBD		N/A
Crop Data	USDA Cropscape		Public Source
	DWR-CADWR		Public Source
	TBWQC Members		DMS Transfer
	Irrigation Districts		Public Source
	FMMP		Public Source
	LandSAT		Public Source
Urban	Cities		Public Source
	Counties		Public Source





Soil/Geology	NRCS	Public Source
	DWR Well Reports	Public Source
	USGS Reports	Public Source
Subsidence	USGS	Public Source
	TBWQC	Public Source
	UNAVCO	Public Source
Groundwater Extraction	Well Meters	TBD
	ET Data	DMS Transfer
	LanSAT Metric	DMS Transfer
Surface Water Use	Irrigation Districts	Private Source
	TRA	Private Source
Future Sources	DAC/DUC IRWM Info	Private Source
Well Data	Well Completion Reports	Annually
	Physical Well Info	TBD



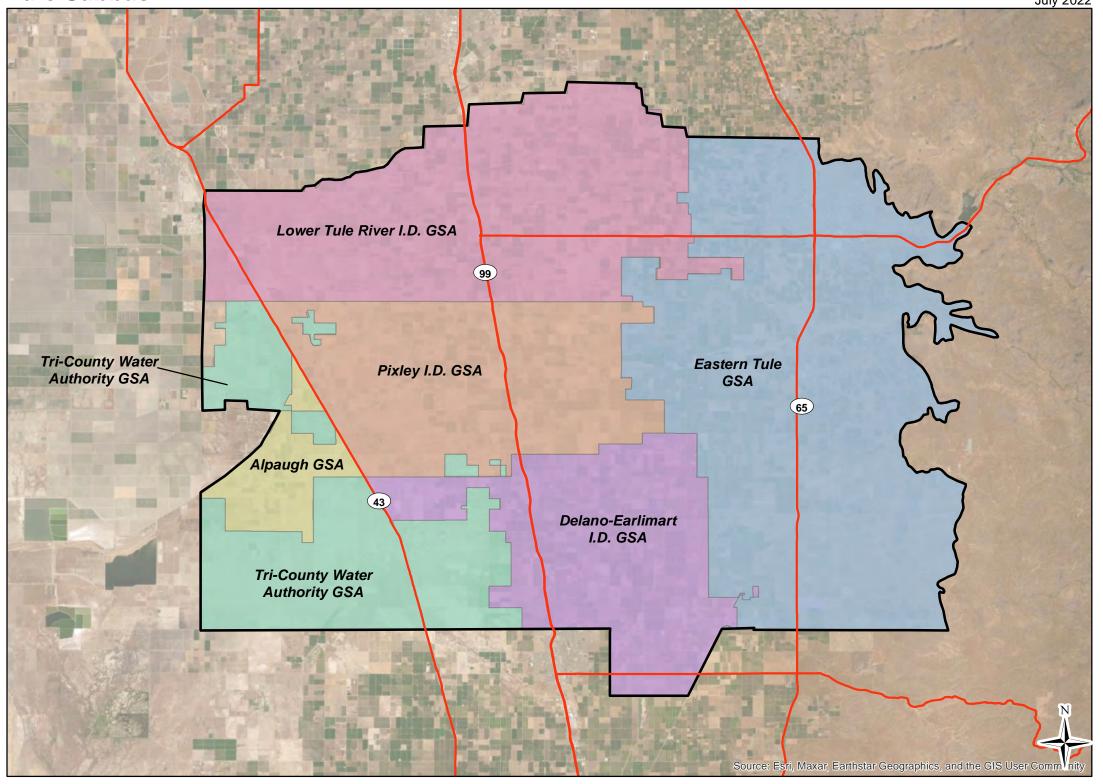


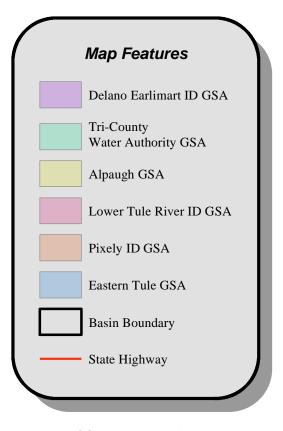
Figures





Tule Subbasin Tule Subbasin Monitoring Plan





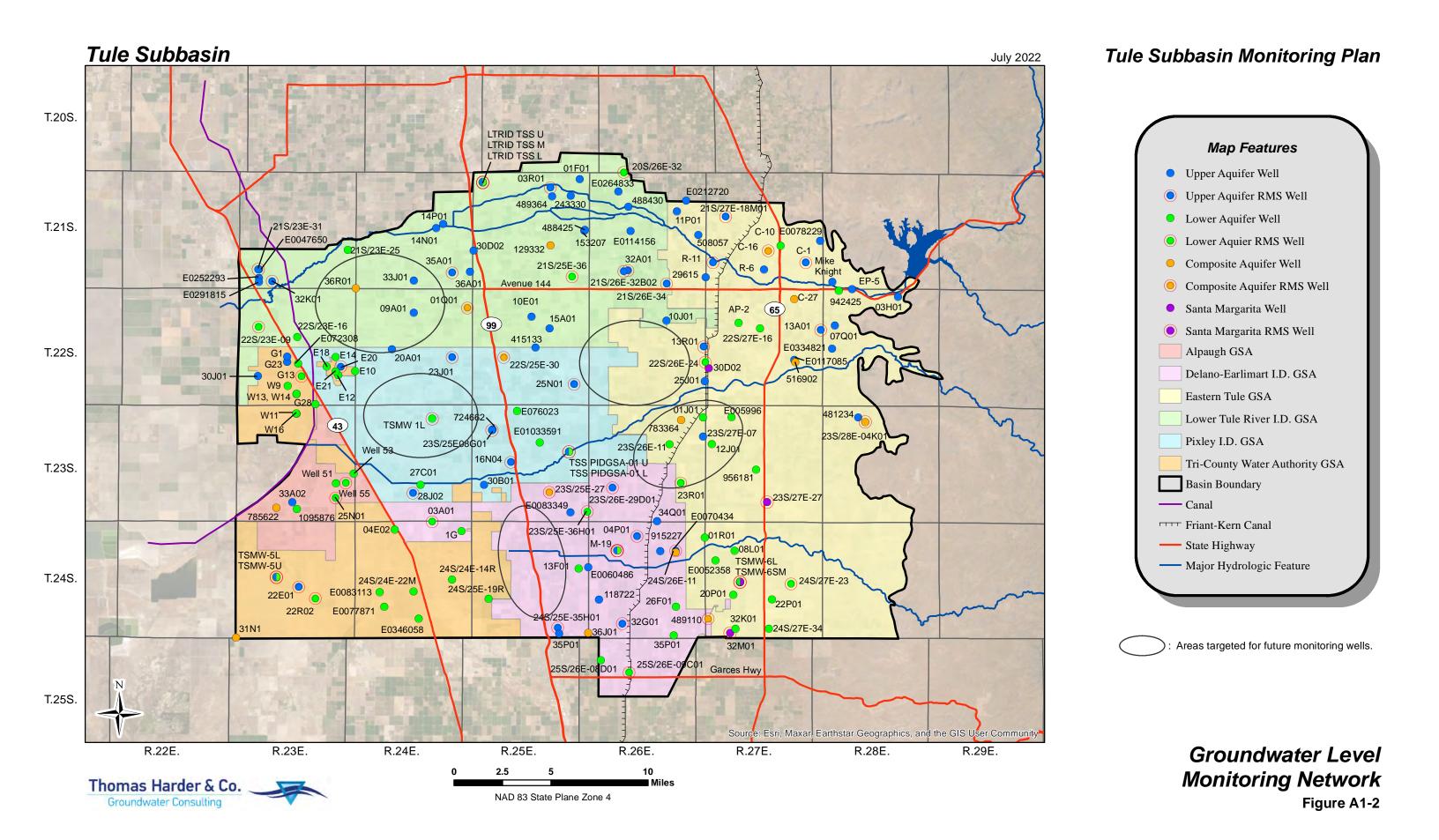
GSA Boundaries from: http://sgma.water.ca.gov/portal/#gsa Accessed 18-Jul-17

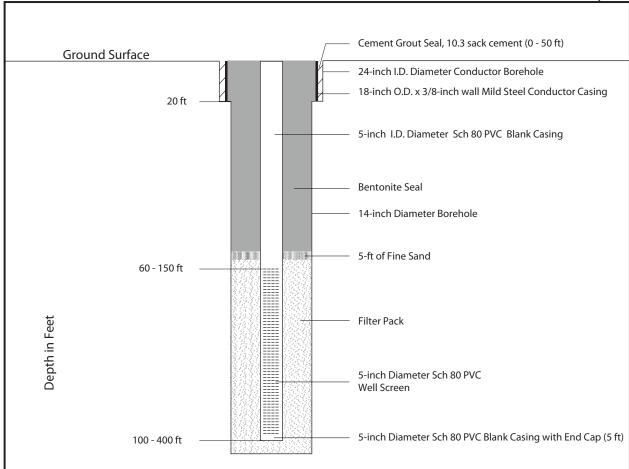


Thomas Harder & Co.
Groundwater Consulting

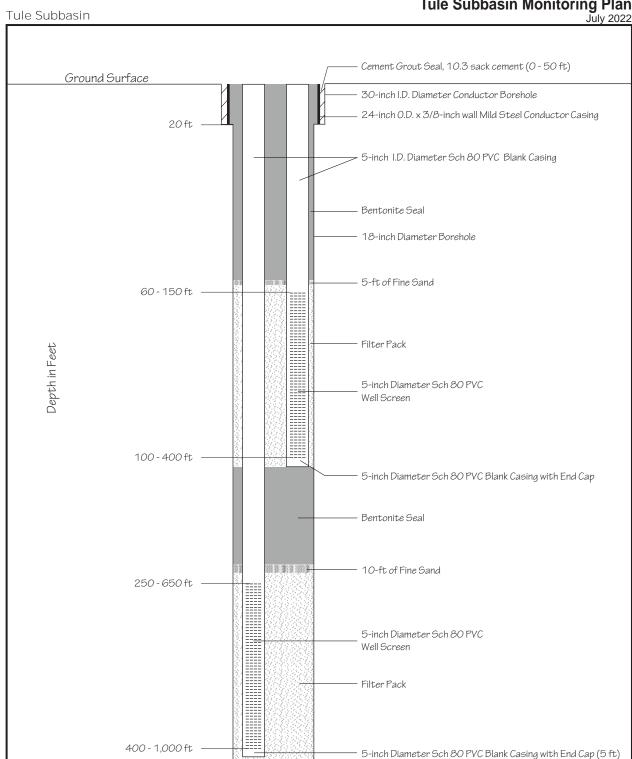
0 2.5 5 10 Miles

NAD 83 State Plane Zone 4



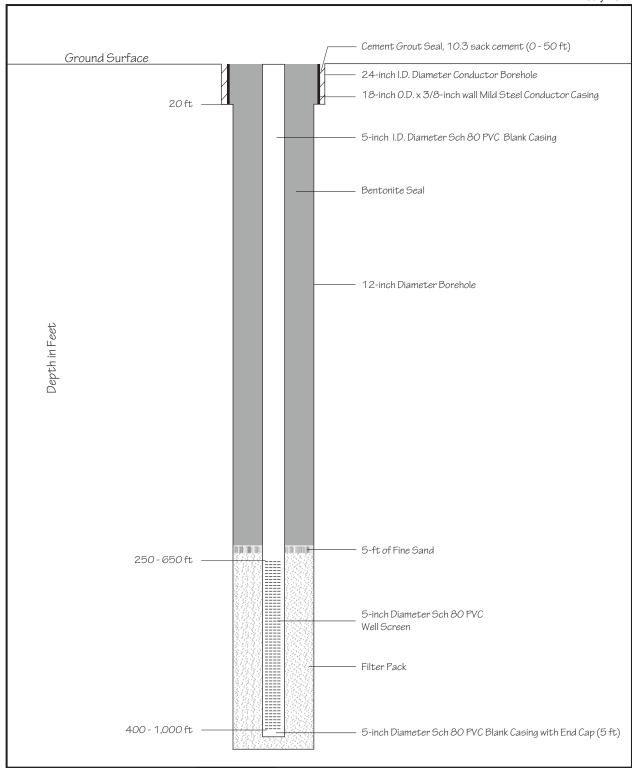


- Centralizers to be placed every 60 ft in screened sections only.
 Casing to include at least one compression section.



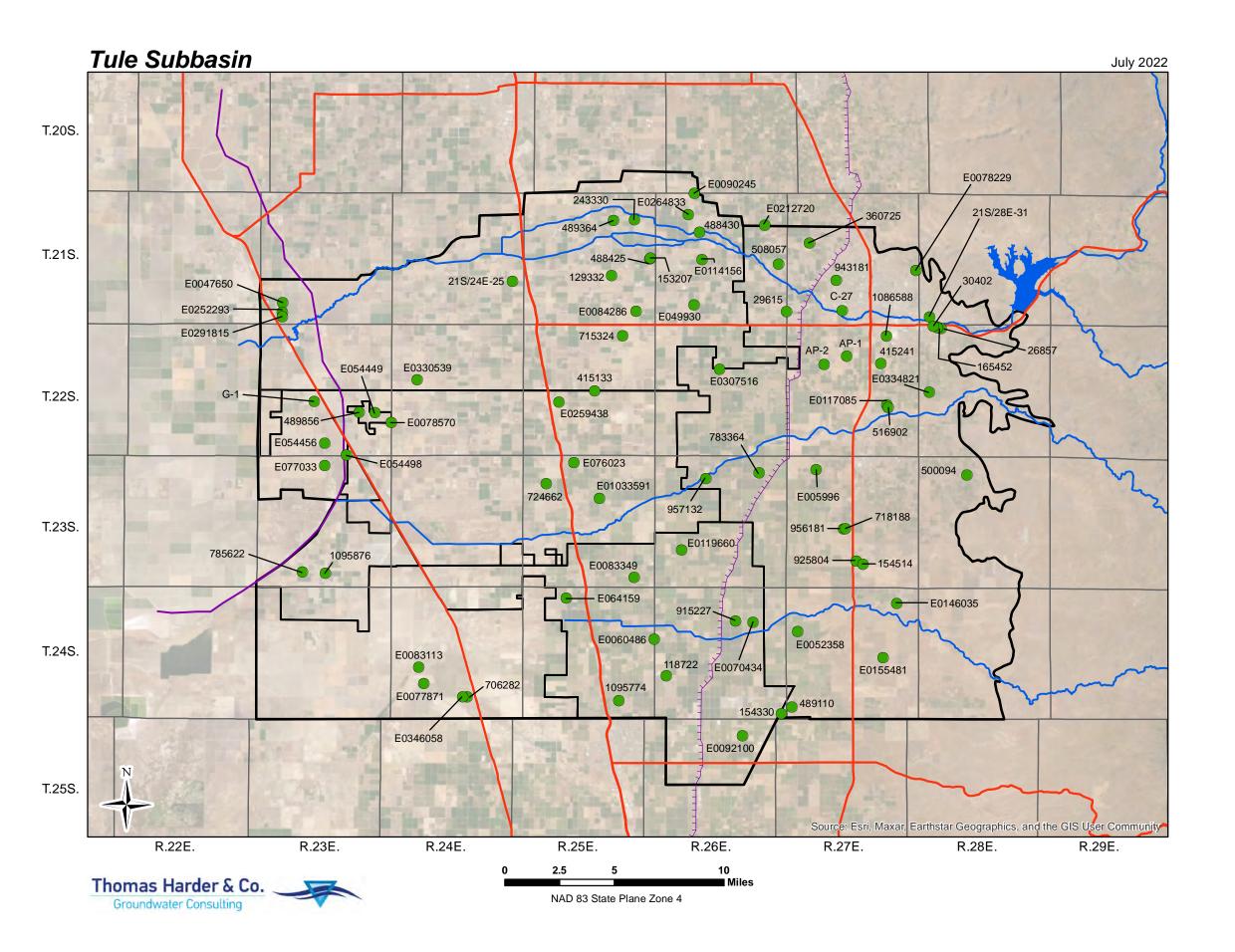
- 2. Centralizers to be placed every 60 ft in screened sections onlu.
- 3. Each casing to include at least one compression section.





- 3. Casing to include at least one compression section.



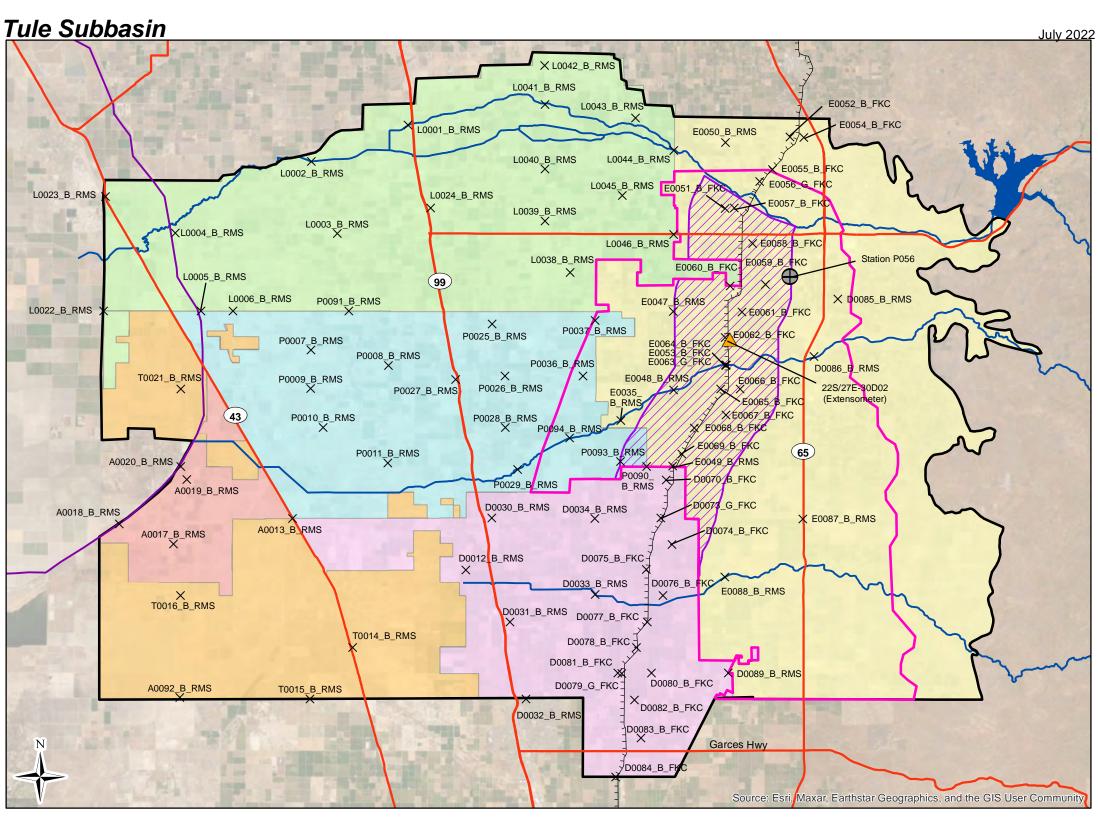


Tule Subbasin Monitoring Plan

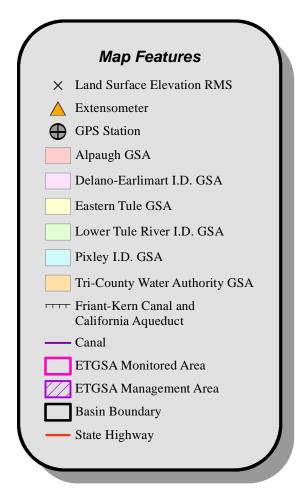


Well Location data from: Tule Basin Water Quality Coalition, 2017

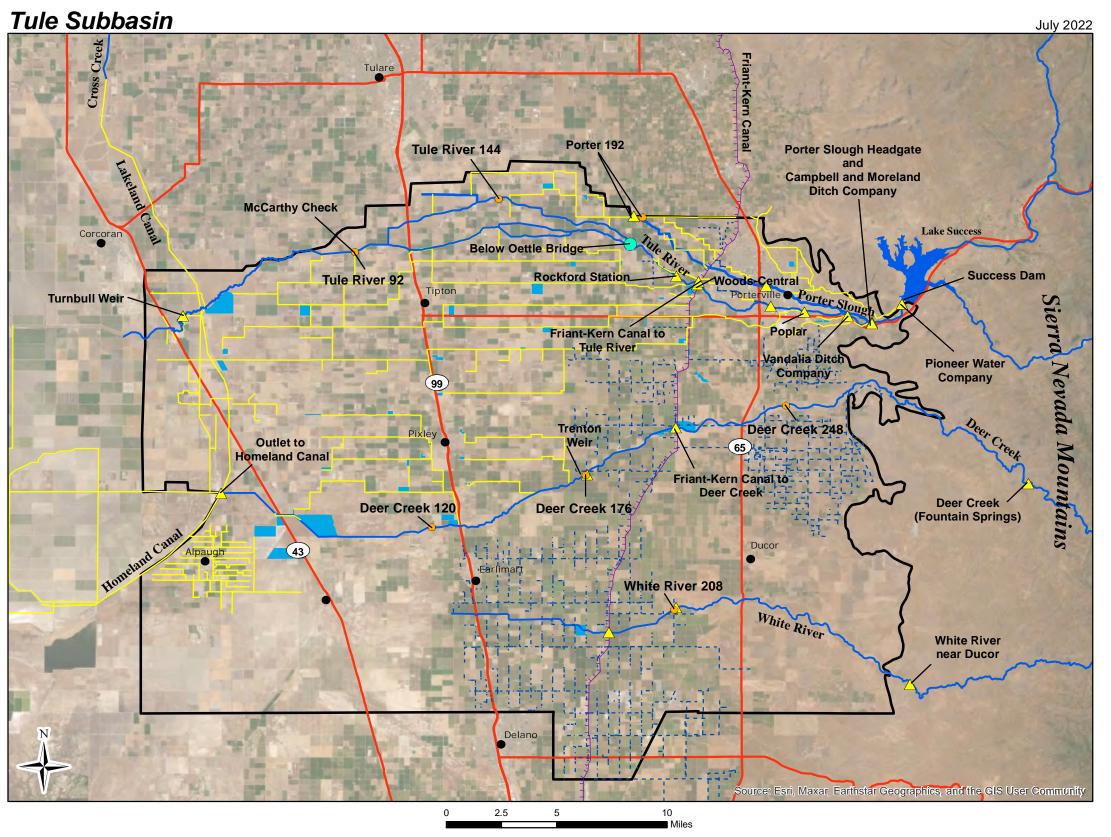
Groundwater Quality Monitoring Network



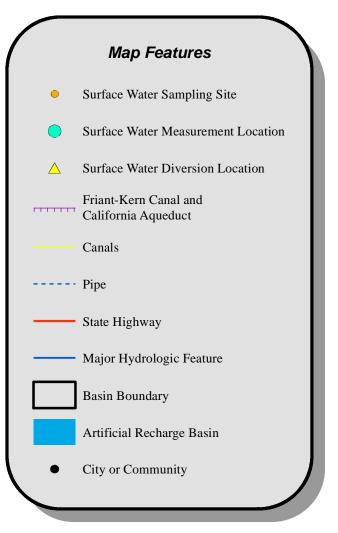
Tule Subbasin Monitoring Plan



Land Surface Elevation Monitoring Network



Tule Subbasin Monitoring Plan



Tables





Summary of Existing Upper Aquifer RMS Wells

CASGEM State Well Number	Short State Well Number	Well Name/ Well Log	Owner	Borehole Depth (ft bgs)	Casing Depth (ft bgs)	Top of Perforations (ft bgs)	Bottom of Perforations (ft bgs)	Aquifer ¹	Groundwater Level Record	X-Coordinate ² (ft)	Y-Coordinate ³ (ft)
21S23E32K001M	21S/23E-32K01	32K01	N/A ⁴	N/A ⁵	406	104	402	U	1973 - 2016	6412096	1903994
21S24E35A001M	21S/24E-35A01	35A01	N/A	328	328	245	302	U	1954 - 2018	6461001	1906318
21S25E03R001M	21S/25E-03R01	03R01	N/A	328	274	145	238	U	1961 - 2016	6487724	1929460
N/A	21S/26E-34	Poplar CSD	N/A	400	400	120	400	U	N/A	6519268	1903301
22S26E13R001M	22S/26E-13R01	13R01	N/A	385	380	240	380	U	1960 - 2017	6529369	1886156
22S27E13A001M	22S/27E-13A01	13A01	Robert Job	400	400	120	380	U	1945 - 2017	6561151	1890683
23S24E28J002M	23S/24E-28J02	28J02	N/A	500	500	200	500	U	1953 - 2017	6450366	1846351
23S25E16N004M	23S/25E-16N04	16N04	USGS	250	240	200	240	U	1959 - 1982	6476961	1854788
24S26E04P001M	24S/26E-04P01	04P01	N/A	402	393	216	393	U	1979 - 2014	6511204	1834634
N/A	22S/23E-25C01	E20	Angiola W.D.	500	490	240	480	U	2008 - 2017	6430745	1880707
N/A	N/A	C-1	City of Porterville	330	240	120	240	U	1982 - 2017	6557099	1909024
N/A	N/A	R-11	City of Porterville	216	216	0	216	U	1984 - 2016	6531833	1909116
N/A	N/A	M-19	DEID	810	N/A	200	350	U	2017	6505880	1830731
22S24E23J001M	22S/24E-23J01	23J01	N/A	400	N/A	N/A	N/A	U	1947 - 2013	6461034	1883355
22S25E25N001M	22S/25E-25N01	25N01	N/A	437	N/A	N/A	N/A	U	1959 - 2018	6494108	1875965
N/A	24S/23E-22E01	22E01	N/A	N/A	N/A	N/A	N/A	U	1980 - 2007	6419302	1820863
24S26E32G001M	24S/26E-32G01	32G01	N/A	470	N/A	N/A	N/A	U	1932 - 2009	6507272	1810870
N/A	21S/26E-32B02	E049930	Jeremy Blackwell	N/A	280	200	260	U	N/A	6507607	1906658
N/A	24S/25E-35H01	1095774	Jonathan Martin	N/A	340	160	320	U	N/A	6489675	1809760
N/A	23S/26E-29D01	E0119660	N/A	N/A	300	160	300	U	N/A	6504558	1847673
N/A	21S/27E-18M01	360725	David Fenn	N/A	300	150	300	U	N/A	6535326	1921533
N/A	N/A	TSMW 5U	Tule Subbasin TAC	310	285	170	280	U	2020 - 2021	6413232	1823570
N/A	N/A	TSS PIDGSA-01 U	Tule Subbasin TAC	1,020	260	180	250	U	2021	6492776	1857661
N/A	23S/25E-08G01	08G01	N/A	N/A	420	320	420	U	2021	6471859	1863508
N/A	N/A	LTRID TSS U	Tule Subbasin TAC	1525	290	150	280	U	2020 - 2021	6469280	1930833
N/A	N/A	21S/23E-31	N/A	N/A	400	200	400	U	2021	6408325	1907222
N/A	N/A	36201	N/A	N/A	399	301	399	U	2003 - 2011	6521736	1830641

Notes:



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¹ U = Well Perforated in Upper Aquifer

² X-Coordinates in State Plane Zone 4 (feet)

³ Y-Coordinates in State Plane Zone 4 (feet)

⁴ N/A = Not Available

Summary of Existing Lower Aquifer RMS Wells

CASGEM State Well Number	Short State Well Number	Well Name/ Well Log	Owner	Borehole Depth (ft bgs)	Casing Depth (ft bgs)	Top of Perforations (ft bgs)	Bottom of Perforations (ft bgs)	Aquifer ¹	Groundwater Level Record	X-Coordinate ² (ft)	Y-Coordinate ³ (ft)
22S24E01Q001M	22S/24E-01Q01	01Q01	N/A ⁴	720	700	480	700	С	1963 - 2016	6465168	1896727
24S24E03A001M	24S/24E-01Q01 24S/24E-03A01	03A01	N/A N/A	1,602	1,602	804	1,602	- C	1963 - 2016	6455570	1838610
		G13	·	,			<i>'</i>	<u>L</u>			
N/A ⁵	22S/23E-27F01		Angiola W.D.	N/A	1,604	782	1,604	<u>L</u>	1962 - 2017	6420049	1878149
N/A	E0117919	M-19	DEID	810	N/A	705	805	<u>L</u>	2017	6505880	1830731
N/A	22S/23E-07	E0094101	Artesia Dairy Farm	1,020	1,000	660	1,000	L .	N/A	6408375	1891526
N/A	22S/26E-24	E0094537	Gill & Sons Farm	1,270	1,240	670	1,220	L	N/A	6529798	1881999
N/A	23S/26E-23R01	23R01	A.L.G. Enterprises	1,720	1,700	600	1,700	L	N/A	6523098	1849144
24S23E22R002M	24S/23E-22R02	22R02	N/A	1,205	1,200	500	1,200	L	N/A	6423826	1817704
N/A	N/A	C-16	N/A	560	548	240	548	С	N/A	6546906	1912287
N/A	N/A	E0090245	N/A	N/A	680	320	680	L	N/A	6507628	1933560
N/A	N/A	489110	Richgrove CSD	N/A	850	480	830	С	N/A	6530537	1812175
N/A	N/A	E0155481	Jeremy Blackwell	N/A	1,500	1,090	1,500	Ш	N/A	6553106	1821699
N/A	23S/27E-27	925804	Tom Day	N/A	1,405	1,035	1,385	SM	N/A	6546617	1843950
N/A	N/A	E0084286	Doug Van Beek	N/A	650	320	640	L	N/A	6493618	1905179
N/A	N/A	E0259438	George Rispens	N/A	840	340	840	С	N/A	6475060	1883261
23S23E25N001M	23S/23E-25N01	25N01	N/A	N/A	N/A	N/A	N/A	L	1990 - 2017	6429320	1845090
N/A	N/A	Well 55	Alpaugh I.D.	N/A	1459	707	1459	L	2014 - 2021	6432067	1849112
N/A	N/A	TSMW 5L	Tule Subbasin TAC	1,010	955	670	950	L	2020 - 2021	6413230	1823473
N/A	N/A	LTRID TSS M	Tule Subbasin TAC	1,525	815	610	805	L	2020 - 2021	6469276	1930846
N/A	N/A	LTRID TSS L	Tule Subbasin TAC	1,525	1480	1100	1470	L	2020 - 2021	6469280	1930941
N/A	N/A	TSS PIGDSA-01 L	Tule Subbasin TAC	1,020	1015	400	1005	L	2021	6492772	1857661
N/A	23S/25E-36H01	36H01	N/A	N/A	600	360	600	L	2021	6497755	1841331
N/A	25S/26E-09C01	09C01	N/A	N/A	1002	450	1002	L	2021	6509077	1797598
N/A	24S/27E-32M01	32M01	N/A	N/A	1800	1002	1800	SM	2013 - 2022	6536532	1808343
N/A	N/A	TSMW 6L	Tule Subbasin TAC	610	605	350	600	L	2020 - 2021	6539199	1822265
N/A	N/A	TSMW 6SM	Tule Subbasin TAC	2,000	1955	1600	1950	SM	2020 - 2021	6539197	1822172
N/A	N/A	TSMW 1L	Tule Subbasin TAC	1,010	1005	550	1000	L	2021	6455531	1866659
N/A	N/A	E0174371	N/A	N/A	800	300	800	С	2020 - 2021	6487403	1846609
N/A	23S/28E-04K01	04K01	N/A	N/A	530	160	530	С	2020 - 2021	6573264	1865684

Notes:



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¹ L = Well Perforated in Lower Aquifer

C = Well Perforated Across Multiple Aquifers (i.e. Composite)

SM = Well Perforated in Santa Margarita Aquifer

² X-Coordinates in State Plane Zone 4 (feet)

³ Y-Coordinates in State Plane Zone 4 (feet)

⁴ N/A = Not Available

Groundwater Quality Trend Monitoring Constituents

	Annual Sampl	ing		Five Year Sampling					
Field Analysis	Units	Laboratory Analysis	Units	Field Analysis	Units	Laboratory Analysis	Units		
Electrical Conductivity (EC)	μmhos/cm ¹ (at 25°C)	Nitrate as N	mg/L	Electrical Conductivity (EC)	μmhos/cm (at 25°C)	Total Dissolved Solids (TDS)	mg/L		
рН	Standard Unit	-	1	рН	Standard Unit	Nitrate as N	mg/L		
Dissolved Oxygen (DO)	mg/L ²	-	-	Dissolved Oxygen (DO)	mg/L	Carbonate	mg/L		
Temperature	,C3	-	-	Temperature	°C	Bicarbonate	mg/L		
-	-	-	-	-	-	Chloride	mg/L		
-	-	-	1	-	-	Sulfate	mg/L		
-	-	-	-	-	-	Boron	mg/L		
-	-	-	-	-	-	Calcium	mg/L		
-	-	-	-	-	-	Sodium	mg/L		
-	-	-	-	-	-	Magnesium	mg/L		
-	-	-	-	-	-	Potassium	mg/L		

Notes:

¹ μmhos/cm = micromhos per centimeter
² mg/L = milligrams per liter
³ °C = Degrees Celcius

Stream Gages in the Tule Subbasin

River	Stream Gage	Location (Latitude, Longitude)	Period of Record	Gage Type	Comments
	Success Dam	Lat 36° 03' 23", Long 118° 55' 22"	October 1953 - Present	Water stage recorder	The discharge at this station is controlled by the release from Success Reservoir. The recorder is operated and maintained by the U.S. Army Corps of Engineers.
	Rockford Station	Lat. 36° 04' 40", Long 119° 06' 22"	February 1957 - Present	Concrete weir equipped with a water stage recorder	The recorder is operated and maintained by the Tule River Association.
Tule River	Turnbull Weir	Lat 36° 03' 4", Long 119° 30'	1942 - Present	Rated section of the natural channel equipped	Records currently maintained by the TRA with the assistance of Downstream Kaweah and Tule Rivers Association. Manual measurements of stream velocity and stage are conducted by LTRID.
	Friant-Kern Canal Discharge into the Tule River	Lat. 36° 04' 25", Long 119° 05' 15"	June 1950 - Present	Modified 20 ft parshall flume	Records are furnished by the U.S. Bureau of Reclamation.
	Friant-Kern Canal Discharge into the Porter Slough	Lat. 36º 05' 00", Long. 119º 04' 50"	June 1950 - Present	15 ft rectangular weir	Records are furnished by the U.S. Bureau of Reclamation.
	Deer Creek at Fountain Springs	Lat 35° 56' 30", Long 118° 49' 19"	1968 - Present	Water stage recorder	Gage operated, managed and data collected by the USGS.
Deer Creek	Deer Creek at Trenton Weir*	Lat 36° 56' 46", Long 119° 10' 52"	N/A	Concrete weir equipped with a water stage recorder	Records currently maintained by the U.S. Army Corps of Engineers.
	Deer Creek at Homeland Canal	N/A ¹	N/A	N/A	
White River	Road 208*	Lat 35° 51' 32", Long 119° 6' 28"	N/A		Streamflow in this river is currently monitored manually at Road 208 by the Tule Basin Water Quality Coalition and Delano-Earlimart Irrigation District.

Notes:

^{*} Latitude and Longitude are estimated from ArcGIS for Deer Creek at Trenton Weir and at Road 208 along the White River. All other latitude and longitude measurements are reported by the United States Geological Survey.



1 of 1 July 2022

¹ N/A = Not Available

Surface Water Quality Constituents for Analysis

Constituent	Units	Trigger Limit	Tule River Poplar Avenue (2004 - 2005)	Deer Creek Road 248 (2010 - 2013)	White River Road 208 (2011)
Electrical Conductivity	μS/cm ¹	1,000.00	67.7 - 157.8	148 - 284	272 - 304
рН	n/a ⁶	6.5 - 8.3	7.02 - 8.94	7.7 - 8.9	8.18 - 9.03
Total Dissolved Oxygen	mg/L ²	min. 7.0	6.3 - 9.4	7.0 - 11.1	8.94 - 10.64
E. Coli	MPN ⁵ /100 mL	235.00	n/a	81.3 - 2,419	980.40
Total Organic Carbon	mg/L	n/a	0.58 - 6.77	1.65 - 7.2	6.2 - 8.7
Hardness (as CaCO ₃)	n/a	n/a	22.4 - 66.6	51.5 - 95.5	97.8 - 109.0
Total Suspended Solids	mg/L	n/a	n/a	4.75 - 574	73.3 - 91.0
Total Dissolved Solids	mg/L	450.00	50.0 - 120.0	99 - 398	180 - 211
Turbidity	NTU⁴	n/a	4.4 - 35	1.58 - 12.0	55.8 - 86.9
Arsenic	μg/L ³	10	1.47 - 2.37	1.71 - 2.36	n/a
Boron	μg/L	700.00	19 - 38	28.6 - 93.7	n/a
Cadmium (Total)	μg/L	5	0.011 - 0.050	0.03 - 0.2	n/a
Copper (Total)	μg/L	1,300.00	3.54 - 5.93	1.58 - 3.82	n/a
Lead (Total)	μg/L	15.00	0.23 - 0.81	0.32 - 5.43	n/a
Molybdenum (Total)	μg/L	10 / 35	n/a	0.0044 - 0.0082	n/a
Nickel (Total)	μg/L	100.00	0.47 - 2.23	0.51 - 3.84	n/a
Selenium (Total)	μg/L	50.00	0.36	1.0 - 2.0	n/a
Zinc (Total)	μg/L	n/a	2.54 - 6.19	4.86 - 34.5	n/a
Phosphorus as P	mg/L	n/a	21.1 - 64.1	0.01 - 0.014	0.06 - 0.34
Ammonia	mg/L	1.50	0.07	0.05 - 0.028	0.069 - 0.20
Nitrate as N	mg/L	10.00	0.07 - 0.30	0.03 - 1.00	0.70 - 2.90
Orthophosphate as P	mg/L	n/a	0.01 - 0.16	0.03 - 0.022	0.23 - 0.84
Phosphorus as P	mg/L	n/a	21.1 - 64.1	0.01 - 0.014	0.06 - 0.34

Notes:

¹ μS/cm = microsiemen per centimeter

² mg/L = milligrams per liter

 $^{^{3}}$ µg/L = micrograms per liter

⁴ NTU = Nephelometric Turbidity Unit

⁵ MPN = Most Probable Number

⁶ n/a = Not Available

Appendices





Appendix A

Driller's Logs and Hydrographs for Existing Upper Aquifer Wells



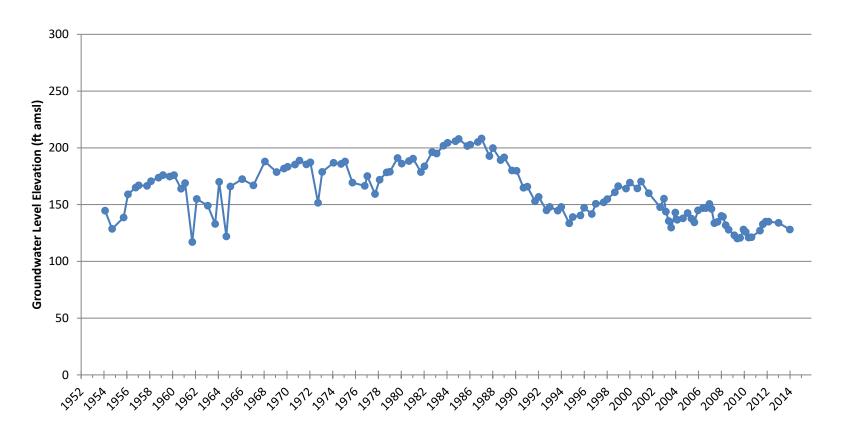


Frie Official, Duplicate and Triplicate with the DIVISION OF WATER RESOURCES P. O. BOX 1079 SACRAMENTO S. CALIFORNIA DIVISION OF WATER RESOURCES ely 257 21/24-35 A1 (G.S.) Do Not Fill In State Well No. 1. 1942 WATER WELL DRILLERS REPORT Other Well No. Dec. 21, 1958 (Sections 7076, 7077, 7078, Water Code) Region.... (1) Driller: (2) Proposed use or uses (check): (3) Equipment used Name.... Domestic [Municipal [] (check): Irrigation [Industrial [Rotary Domestic and Test well Cable Classification. License No ... Irrigation [7/ Dug well -Other..... Other__ Name. (4) Type of work (check): New well Reconditioning of well Deepening existing well 5) Well log: Total depth of well 3/3 ft Give details of formations penetrated, such as silt, peat, muck, sand, gravel, clay, shale, sandstone, hardpan, rock. Include size of gravel (diameter) and sand (fine, medium, coarse), color Depth From Ground Surface of material, structure (loose, packed, cemented, soft, hard, brittle). If additional space is required, continue on DWR Form No. 246-Supplement, and attach to respective report copies. (6) Casing left in well: LENGTH (X)

Welded joints- Yes No

Groundwater Hydrographs - Shallow

21S/24E-35A01





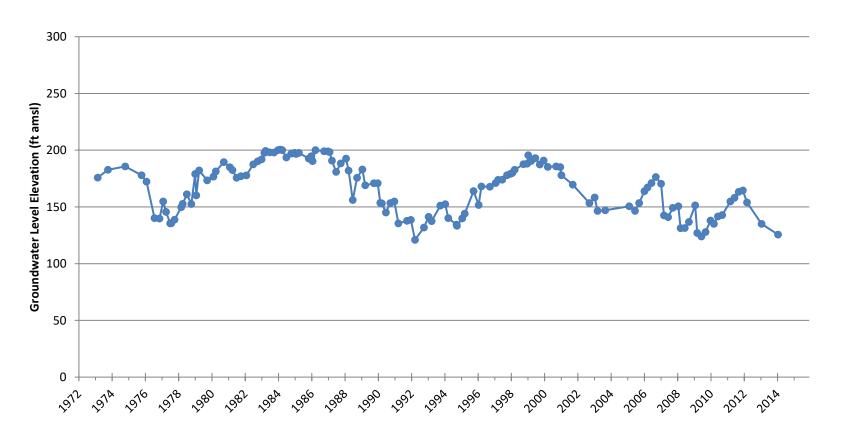
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Groundwater Hydrographs - Shallow

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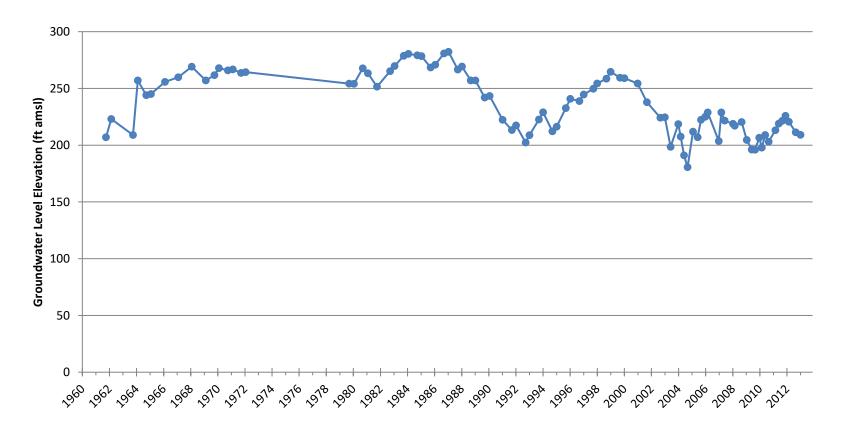
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Groundwater Hydrographs - Shallow

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DIVISION OF WATER RESOURCES



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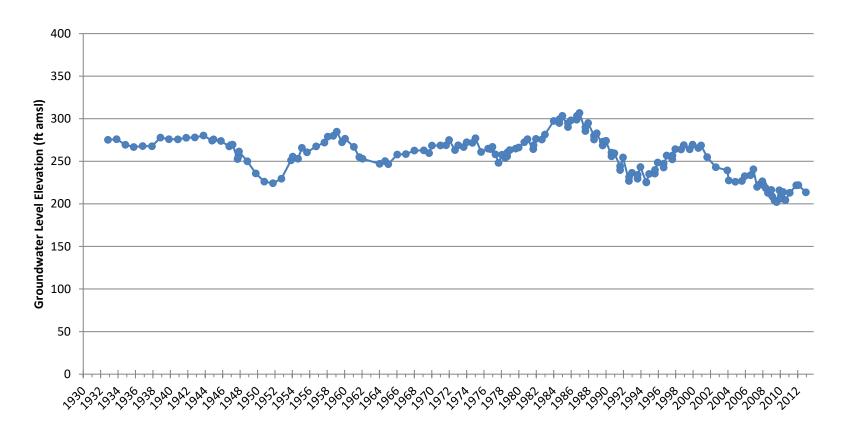
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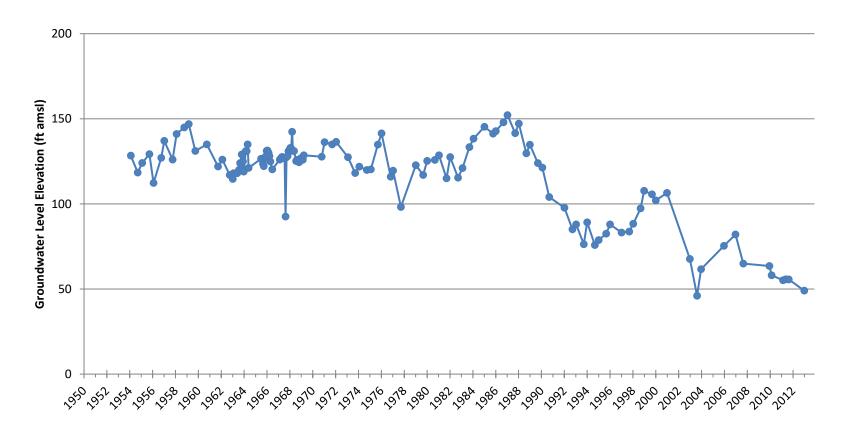


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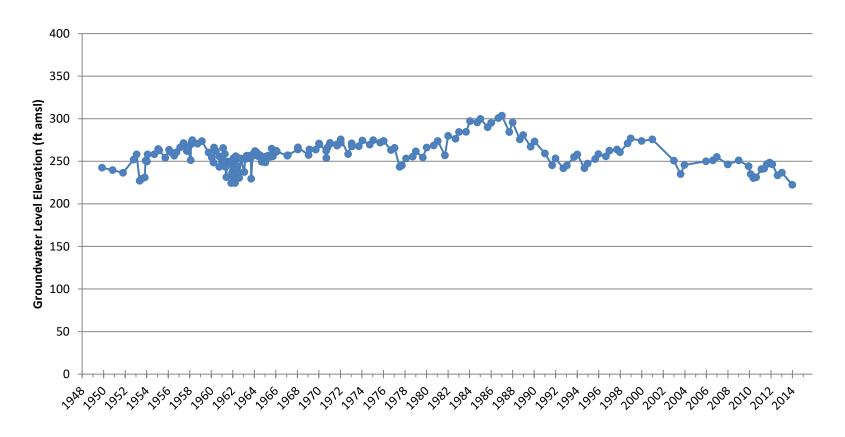
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Groundwater Hydrographs - Shallow

22S/26E-10J01





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ROY PULLIAM

WATER WELL DRILLING
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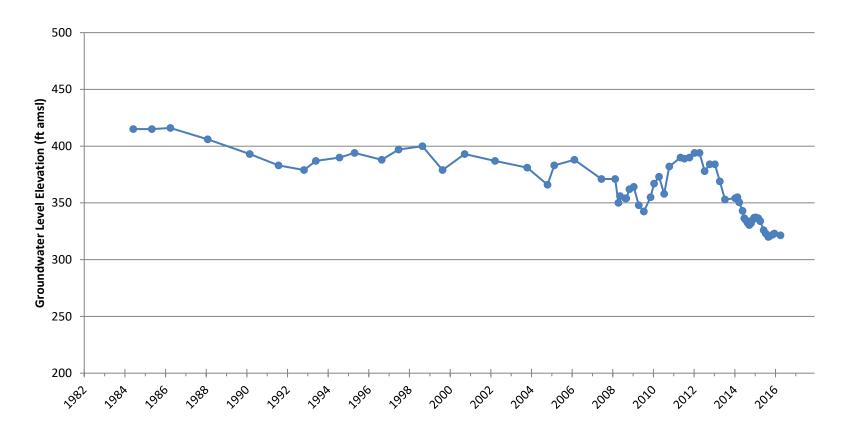
Log of IO in. Well

O to 4I ft. Sandy Clay
4I to 80 ft. Water, Sand and Gravel
80 to 123 ft. Sandy Clay
123 to 135 ft. Water, Sand and Gravel
135 to 150 ft. Clay

Cast to I44 ft.
6 ft. open hole
Perforated from 4I ft. to I44 ft.
Water Level 32 ft.

Groundwater Hydrographs - Shallow

R-6





STATE OF CALIFORNIA THE RESOURCES AGENCY

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DEPARTMENT OF WATER RESOURCES

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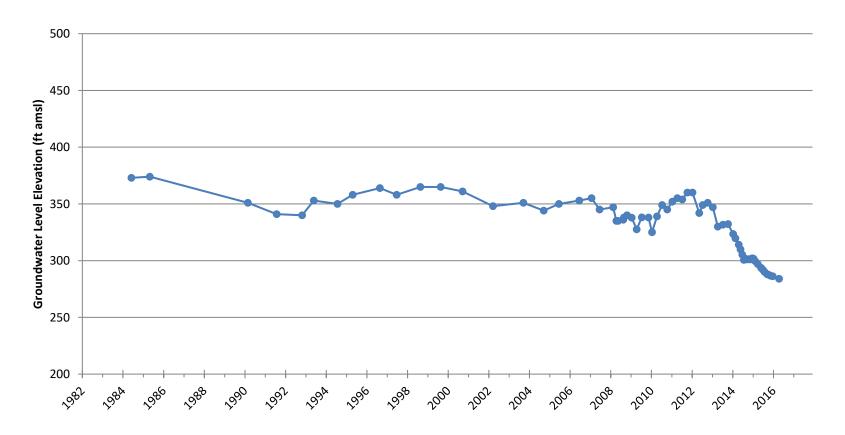
WATER WELL DRILLERS REPORT

Other Well No.

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f destruction	n, describ	e material	and proced	ure in Item 1			70 - 79 Cobbers & Sand
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)omestic					Rotary		101 - 114 Fine Sand
rrigation	☐ Tes	t Well [] 0	ther 🔲	Cable	K	114 - 120 Med Sand & Gravel
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hat which w			f known	72	ft.		of my knowledge and belief.
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ling level aft	er perforat	ing and dev	cluping	32	· ſŧ.		(Person, firm, or corporation) (Typed or printed)
) WELI	TEST	rs:		080			Address: 26521 South Moonete
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of wa	ter	W ₁	a chemical	analysis made?	Yes 🗌 No	8 .	Control of the state of the state of
lectric log ma	de of well?	Yes 🗌	'No 😿	If yes, att	ech copy	:	License No. 259886 Dated 2/9 , 19 72

Groundwater Hydrographs - Shallow

R-11





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DIVISION OF WATER RESOURCES
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DIVISION OF WATER RESOURCES WATER WELL DRILLERS REPORT (65)

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23/26-96/





WATER WELL DRILLERS REPORT

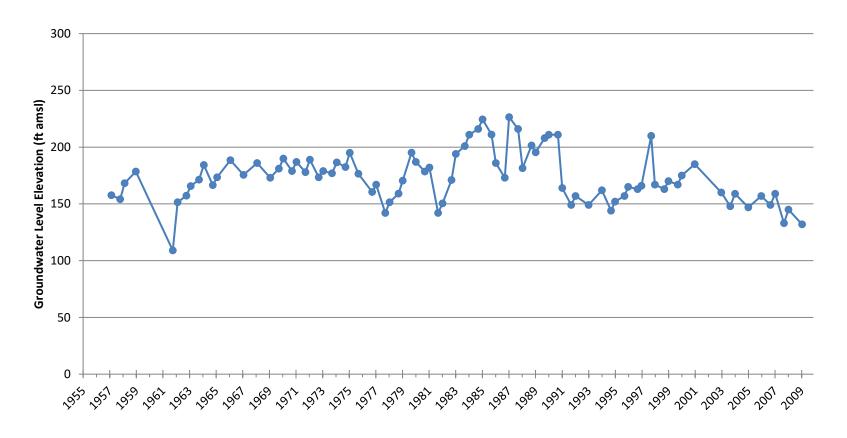
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		4	33 - 33 - 33
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8) Water levels:		(9) Well pumping tes	rt:
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first encountered	lanc	Date of test	"我们是这种的,还是我们的心理,我们就是我们的,我们就是我们的人们就是我们的人们就是我们的人,我们就是我们的人们,我们也不是这么多数,我们就是这个对众人们的人们
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before perforating		G.P.M. at beginnin	anding level
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Groundwater Hydrographs - Shallow

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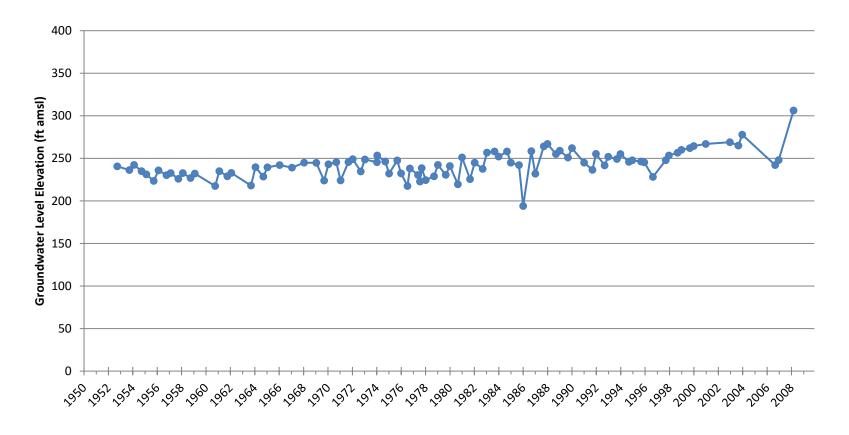
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U.S.DEPARTMENT OF THE INTERIOR - BUREAU OF RECLAMATION - REGION II WELL LOG

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Groundwater Hydrographs - Shallow

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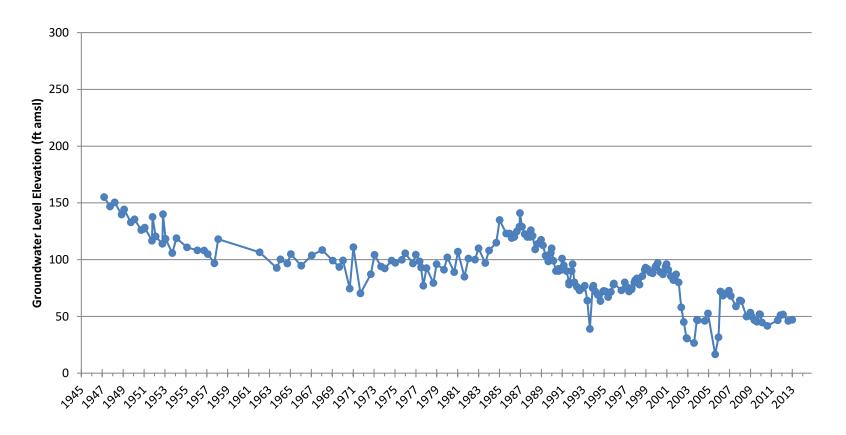
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U.S.DAFARTHENT OF THE INTERIOR - HOW MU OF REGIANATION - REGION II

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Groundwater Hydrographs - Shallow

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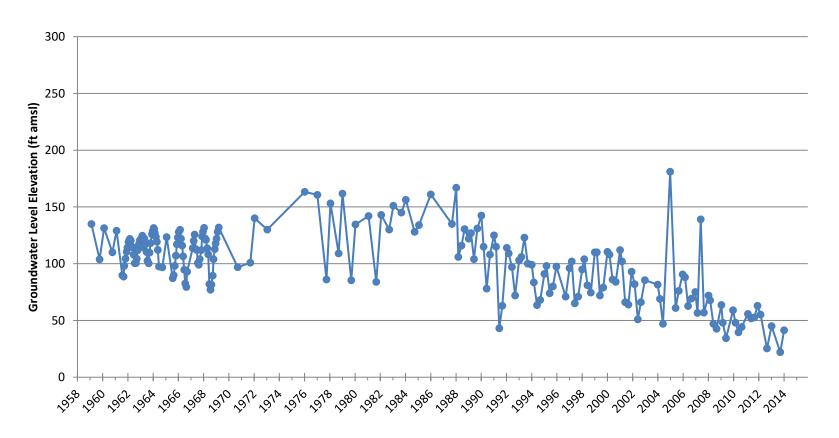
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WELL LOG 2 4 15-25N1

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Groundwater Hydrographs - Shallow

22S/25E-25N01





2.3/24-16R1
(December 1949)

DEPAR

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY WATER RESOURCES DIVISION

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No. 23	-	24	-16	\mathcal{B}	

WINTE FOR

OTHER NOS.

State	County TULARE Subare	elev 224'	
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CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	no corc		0
	Sand	10	40
	Sandy Clay	35	50
	Sand	10	85
	Sandy Clary	48	95
	Cay	7	143
	Sandy Clay	\$ 0	150
	Sand	20	290
	Sandy Clay	15	240
	Sand		255
	Sandy Clay	58	262
	Clay	23	320
	Sand	<u> </u>	34:
	Cay		348
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	Lay CO	70	385
	Sandy Clay		

RECORD BY

U. S. GOVERNMENT PAINTING OFFICE 10-01887-1

23/24-16R UNITED STATES DEPARTMENT OF THE INTERIOR

RÉCORD BY ...

GEOLOGICAL SURVEY WATER RESOURCES DIVISION

0:	SBK	ラフ	es/	TU	el/
No	23.	-29	7 -	16 Z	RRI

OTHER NOS.

WELL LOG

State	County	Jupatea		
Owner			· · · · · · · · · · · · · · · · · · ·	
Location				
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Drilled by		Address	,	
Date	Casing diam.	Lar	nd-surf. alt.	
Source of data.				
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	Sand		80	39
	Clay		5	4
	Sandy Clay		/5	47
en Clair	Clay		70	49
en Clay 5531	Sand		7	56
<u>,,, , , , , , , , , , , , , , , , , , </u>	Sandy Clay		/3	56
	Sand		5	58
	Sardy Clay		30	58
	Sand		7	6
	Sandy Clay		33	62
	Sand		5	6.
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#======	Sand		10	66
	Sandy Clay		40	6,
	Sand			7/
***************************************	Sandy Clay			7
	Sand		6	7:

23/24-16RI UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY WATER RESOURCES DIVISION

U	SBR	TES	st u	IELL
No		-24-		

OTHER Nos.

WELL LOG

State	County	Subarea		·
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	Sandy Clan		30	745
	Sandy Clay Sand		7	_
	Sandy Clay		8	
	Sandy Clay Sand		//	790
	Sonly Clay		6	801
	Sandy Clay Sand		5	807
***************************************	Sandy Clay		18	812
	Sand		10	830
			10	840
	Sandy Clay Sand		4	850
	Sand Clay		6	854-
***************************************	Sandy Clay Sand		10	860
	Sandy Clay		10	870
	Sandy Clay Sand		8	880
	Sandy Clay		12	888
	Sand		5	900
	Sanly Clay		20	905
CORD BY	U DATE		SHEET 3	of 5

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23/24-16R UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY WATER RESOURCES DIVISION

USBR TEST WOLL 23-24-16881

OTHER NOS.

WELL LOG

Subarea _

County .

Owner				
Location				

Drilled by	Ad	dress		
Date	Casing diam.	Land-surf. al	t.	
Source of data				
	(Enter type of well, perforations, yield,	and drawdown at end of l	og)	
Correlation	MATERIAL		THICKNESS (feet)	DEPTH (feet)
	Sand		S	925
	Sanly Clay		5	930
	Sandy Clay Sand		4	935
	Sandy Clay		26	939
	Sand		E	965
	Sandy Clay		42	973
	Sand		40	1015
	Clay		5	1055
	Sandy Clay		30	1060
	Sand		10	1090
	Sandy Clay Sand		10	1100
	Sand		25	1110
	Sarly Clay		15	//35
	Sand	,	35	1150
	Clay		8	//85
	Sand		<i>₽7</i>	1193
	Clay		3	1200
ECORD BY	DATE		SHEET $\hat{\mathcal{A}}$	or 5

U. S. GOVERNMENT PRINTING OFFICE

23/24-16 P UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY WATER RESOURCES DIVISION

RECORD BY

USBRTEST WELL

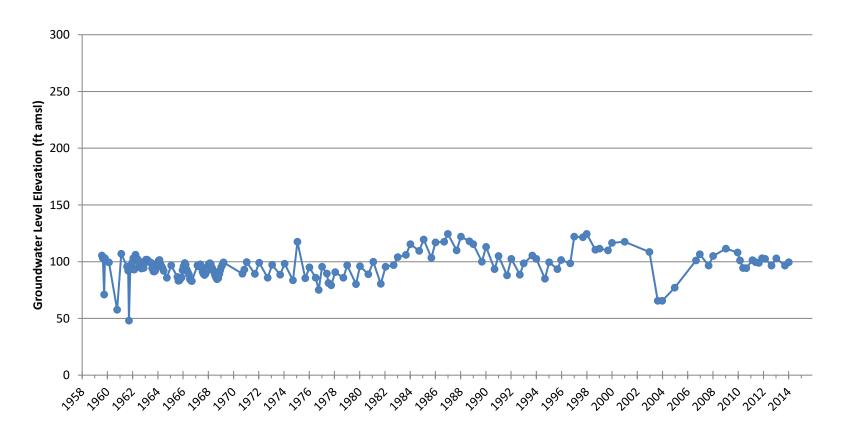
OTHER NOS.

WELL LOG

State	County	Dubarea		
Owner				
Location				
المحالة المراجعة				
Drilled by		Address		
Date	Casing diam	Land-surf.	alt	
Source of data_				
	(Enter type of well, perforations, ye	ield, and drawdown at end of	log)	1
CORRELATION	MATERIAL		THICKNESS (feet)	DEPTH (feet)
	Sandy Clan		17	1203
	Sandy Clay Sand		10	1220
			./2	1230
	Sand		6	1242
	Sanda Clay		7	1248
	Sandy Clay Sandy Clay Sand		3	1255
	Sandy Clay		7	1258
	Sand		25	1265
	Sandy Clay		3	1290
	Sand		7	1293
	Sandy Clay		7	1300
	Dand		//	1307
	Sandy Clay Sand		3	13/8
	Sand		41	1321
	Sandy Clay		15	1362
	Sand		23	1377
	B. H.			1400

Groundwater Hydrographs - Shallow

23S/24E-16R01





TRIPLICATE Owner's Copy

Page 1 of 1

STATE OF CALIFORNIA

COMPLETION REPORT

No. EO117919

Refer to Instruction Pamphlet

Owner's	Well No. MW-6	
-	0/04/0040	0/2//2010

Date Work Began 9/24/2010 _____, Ended 9/24/2010 Local Permit Agency ENVIRO HEALTH, TULARE

GEOLOGIC LOC Permit Date 8/30/2010 Permit No. 10-0338

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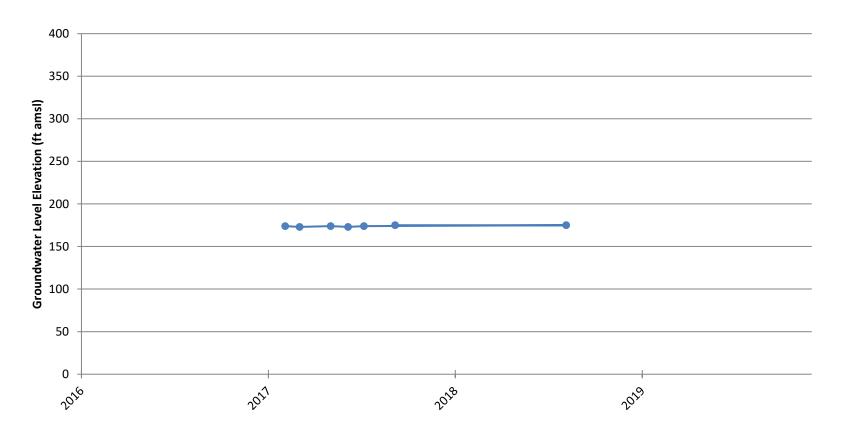
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SEC.	DEG. MIN. SEC.		
SKETCH-	ACTIVITY (∠)		
Ή	NEW WELL		
	MODIFICATION/REPAIR Deepen		
	- Other (Specify)		
	— DESTROY (Describe Procedures and Materi		
	Under "GEOLOGIC LO		
	PLANNED USES (✓ WATER SUPPLY		
EAST			
₫			
	MONITORING -		
	CATHODIC PROTECTION_		
	HEAT EXCHANGE		
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	VAPOR EXTRACTION SPARGING		
	REMEDIATION _		
p. Use additional paper if COMPLETE.	OTHER (SPECIFY)		
& YIELD OF COMPI	LETED WELL		
(Ft.) BELOW SURFAC			
(GPM) & TEST TYPE	(Ft.)		
aaa	(Ft.) BELOW SURFAC		

DEPT	гн	DODE					C	ASING (S)			DEPTH		ANNULAR MATERIAL											
FROM SUI	RFACE	HOLE		HOLE DIA. (Inches)	DIA.					T		E (*		saturation No.			100000	FROM SURFACE				TYPE		
Ft. to	Ft.		BLANK			SCREEN	CON-	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	Ft.	Ft. to	Ft.	CE- MENT (✓)	BEN- TONITE	FILL (✓)	FILTER PACK (TYPE/SIZE)					
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705	805	12 1/4"		1			PVC	4"	SCH 40	.030	660	4	670		1									

ATTACHMENTS (∠)	CERTIFICATION STATEM	ENT -	
Geologic Log Well Construction Diagram	I, the undersigned, certify that this report is complete and accurate to the best of my know NAME_BRADLEY & SONS	ledge and belief.	
Geophysical Log(s)Soil/Water Chemical Analysis	(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED) 3625 S. HIGHLAND DEL RE	Y C	A 93616
— Other ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.	ADDRESS Signed WELL DRILLER/AUTHORIZED REPRESENTATIVE	10/06/10 DATE SIGNED	TATE ZIP 414178 C-57 LICENSE NUMBER
	WELL DIRECTION TO NEED REPRESENTATIVE	DATE SIGNED	C-37 LICENSE NUMBER

Groundwater Hydrographs - Shallow

M-19 (Formerly MW-6)

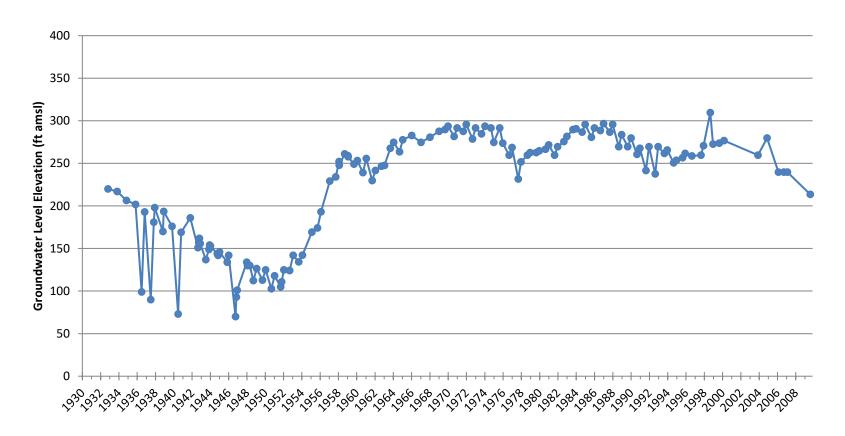


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Groundwater Hydrographs - Shallow

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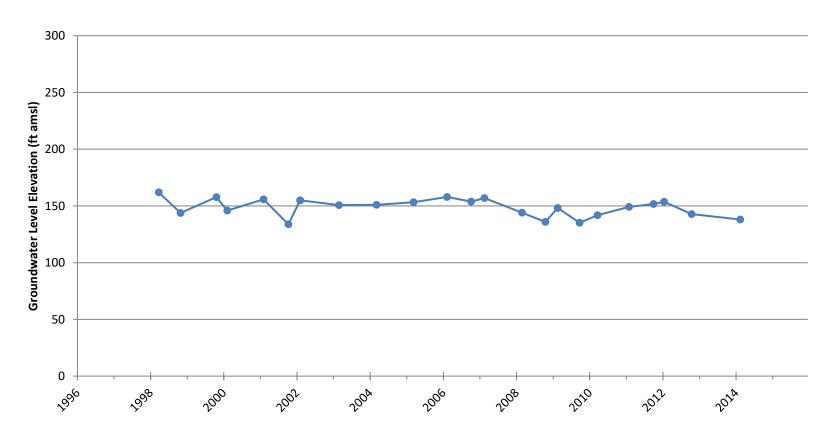




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Page of	•					** <u>F</u> .	Refer to I				·	. [STATE	WELL N	IO./STA	TION NO.	
Owner's Well No.	Angi	ola	a :	#1			N	1o. 2	q p	3637			1				
Date Work Began .					_	, Ended <u>3</u>	<u>-25-92</u>		J (3031		LATITUDE			L	ONGITUDE	
Local Permit Ag		Tu	la:	re		-						_		11	لـــــــــــــــــــــــــــــــــــــ		
Permit No		<u> </u>					mit Date	3-23-	<u>-92</u>	· · · · · · · · · · · · · · · · · · ·	_			APN/TR	S/OTHE	R	
				-		roc —		•	WELL OWNER -								
ORIENTATION (∠)							_ ANGLE		10CC7 D-1 :0C								
DEPTH FROM SURFACE	DEPTH	1 10) FL	KST		ESCRIPTION	(Ft.) BELOW SU	RFACE	Mailing Address 12667 Rd. 96 Tiption, CA 93272								
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0 5	To	D.	So	il		433-437	sand	1.5	$\int_{\mathbf{A}_{\mathbf{C}}}$	ddress ½ mi	i	S. of Ave	112	& 50	ft.	W of Rd	
5 24	cl	ay				437-439		- T	1			oran	- 1			24	
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344 351 351 354		nd 200							such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.								
354 373		ay ınd	-		1	M	· · ·			RILLING	D۵	everse		FLUID _	Mar	tural	
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419 433		аy							ES	STIMATED YIELD	•_	(GPM) &					
TOTAL DEPTH OF	BORING _	4	60		. (Fe	•			TE	ST LENGTH		(Hrs.) TOTAL DRA	WDOW	N	(Ft.)	
TOTAL DEPTH OF	COMPLET	ED '	WE	LL.		450 (Fee	t)		* 4	May not be repre	se	ntative of a well's lon	g-term	yield.			
DEPTH							CASING(S)			lſ	DEPTH	7	ANNU	LAR	MATERIAL	
FROM SURFACE	BORE- HOLE			(<			INTERNAL		\	01.07.0175		FROM SURFACE			TY	PΕ	
	DIA. (Inches)	BLANK	REN	CON-	PIPE	MATERIAL: GRADE	DIAMETER		ALL	SLOT SIZE IF ANY	╟	 ,	CE-	BEN- TONITE	FILL	FILTER PACK	
Ft. to Ft.		圖	SCF	Öğ	FILL		(inches)	THICKN	ESS	(inches)		Ft. to Ft.		(∠)	(∠)	(TYPE/SIZE)	
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Geologic	Loa					I, the u	ndersigned, ce	ertify that	this	report is compl	le	te and accurate to t	he bes	t of my	/ know	ledge and belief.	
_	struction Dia	agran	n			NAME _	Grabow W	vell D	ri1	ling, Inc	٠.	•					
ſ	ical Log(s)	- "				[] (P	erson, firm, or	CORPORATION	ATION) (TYPED OR PRINTED)								
Soil/Wat	er Chemical	Anal	lyse	8		ĀDORESS	12522 9t	<u>ch Ave</u>		Hanford,	_(CA 93230 CTY			STATE	7.EP	
Other						- **********************************	\	5	H	. 0		un	·	ם מי	-		
ATTACH ADDITIONAL	ATTACH ADDITIONAL INFORMATION. IF IT EXISTS. Signed WELL DRAILER/AUTHORIZED REPRESENTATIVE 3-29-92 288489								ZESEN	MANUE VOC			288489 C57 License number				

Groundwater Hydrographs - Shallow

22S/23E-30J01





TRIPLICATE	STATE OF CALIF	ORNIA	DWR USE ONLY	DO NOT
`Owner's Copy	WELL COMPLETION	ON REPORT		
Page 1 of 2	Refer to Instruction	•	STATE WELL	NO./ STATION NO
Owner's Well No.	No. E05	4449		
Date Work Began	6/20/2007 Ended 6/27/2007		LATITUDE	LONGITUD
	gency TULARE COUNTY			
Permit No. 07	7-0221 Permit Date 5/16/2007		APN/TR	S/OTHER
	GEOLOGIC LOG	1	— WELL OWNER -	
ORIENTATION (✓)	VERTICAL HORIZONTAL ANGLE(SPECIFY)	1		
DEPTH FROM	DRILLING METHOD REVERSE FLUID FLUID		WHITLEY AVE. SUI	TE CA
SURFACE	DESCRIPTION Describe material, grain, size, color, etc.	CORCORAN		STATE
Ft. to Ft. 0 4	TOP SOIL		WELL LOCATION-	SIAIE
<u> </u>	MEDIUM SAND	Address AVE 112		
	SANDY BROWN CLAY	City ANGIOLA CA County TULARE	. <u></u>	
45 50	COARSE SAND & BROWN CLAY	1 '	age 230 Parcel 01	
50 53	SAND (MEDIUM COARSE)		lange 23 E Section 28	3
50 54	DD004410141/	7 10wiisiiip == =	ange Section	

Latitude

J

DEG. MIN.

SEC

LOCATION SKETCH

NORTH

SOUTH

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

DEPTH TO FIRST WATER- (Ft.) BELOW SURFACE

WATER LEVEL & YIELD OF COMPLETED WELL

HANFORD

06/28/07

CA

STATE

53

54

58

61

70

93

104

116

121

124

130

1471

150

152

159

160

163

169

178

181

183

200

202

54 BROWN CLAY

61 SAND & CLAY

93 CLAY BROWN

116 SAND & CLAY

121 BROWN CLAY

124 SAND & CLAY

130 BROWN CLAY

150 BROWN CLAY

159 BROWN CLAY

160 SAND & CLAY

163 BROWN CLAY

169 SAND & CLAY

181 BROWN CLAY

183 SAND & CLAY

200 BROWN CLAY

214 BROWN CLAY

178 SAND

202 SAND

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

_ Other

DWR 188 REV. 11-97

Soil/Water Chemical Analysis

Signed

152 SAND (MEDIUM)

58 SAND (MEDIUM COARSE)

70 SAND (MEDIUM COARSE)

104 SAND (MEDIUM COARSE)

141 SAND (MEDIUM COARSE)

214	217	∮SAND ((ME	EDI	UΜ	COARSE)			EPTH OF STATIC							
217	219	BROW	NC	CLA	Υ			w	ATER LEVEL			(Ft.) & DATE	MEAS	JRED		
TOTAL DEPTH OF BORING 500 (Feet) TOTAL DEPTH OF COMPLETED WELL 490 (Feet)										(Hr:	s.) T	_ (GPM) & 1 OTAL DRAW of a well's l	/DOWN		_ (Ft.)	
DEP		BORE -					CASING (S)				DEI	PTH	ANNULAR MATERIAL			
FROM SU	REACE	HOLE DIA.	T	YPE	<u>(</u> <u></u>	<u></u>				FRO	MSI	JRFACE			TY	PE
Ft. to	Ft.	(Inches)	BLANK	SCREEN	CON- DLICTOR	MATERIAL GRADE	/ INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	Ft.	t	o Ft.	CE- MENT (<u>√</u>)	BEN- TONITE (✓)	FILL (<u>✓</u>)	FILTER PACK (TYPE/SIZE)
0	50	44"			✓	STEEL	36"	5/16"			0	50	√			6 SACK
0	240	30"	✓			STEEL	18" OD	5/16"			0	500				MIX 6 X 16 & 1/
240	480	30"		~		STEEL	18" OD									
480	490	30"	~			STEEL	18" OD									
<u> </u>																
	- Geologic	Log nstruction Di	(<u>✓</u> lagra			NAME	MYERS BR	OS. WELL D	CERTIFIC Complete and accura RILLING, INC.	te to the				belief.		

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

AWD01807

93230-4844

548214 C-57 LICENSE NUMBEI

FILL IN,

93212

SEC

MIN.

✓ NEW WELL

-ACTIVITY (∠)

MODIFICATION/REPAIR

Deepen

PLANNED USES(∠)

WATER SUPPLY

Domestic _

ATHODIC PROTECTION_

VAPOR EXTRACTION

HEAT EXCHANGE.

DIRECT PUSH. INJECTION

SPARGING

REMEDIATION

OTHER (SPECIFY).

--- Other (Specify)

DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG"

MONITORING -

TEST WELL

TRIPLIC	ATE
Owner's	Сору

Page 2 of 2

STATE OF CALIFORNIA **COMPI**

L	ĽI	ION	REP	Οŀ
		_		

Refer to Instruction Pamphlet

Owner's Well No. 20-E		No.
Date Work Began 6/20/2007	Endod6/27/2007	_

054449

Local Permit Agency TULARE COUNTY Permit No. <u>07-0221</u>

FEOLOGIC LOG Permit Date 5/16/2007

	DWR	USE	ONLY		DO	NOT.	FILL	IN.		
'	T		. I							
		STA	TE WE	LL NO	/STA	TION N	0.			
		Ĩ.								
	LATIT	UDE		LONGITUDE						
			ΔDN	I/TRS/	THE	>				

	GEOLOGIC LOG	WELL OWNER -	
ORIENTATION (✓)	✓ VERTICAL — HORIZONTAL — ANGLE — (SPECIFY)	ANOIGH A MIATED DIGT	
ONIENT/MON(=)	DRILLING METHOD REVERSE FLUID	Mailing Address 944 WHITLEY AVE. SUITE	=
DEPTH FROM SURFACE	DESCRIPTION	CORCORAN	CA 93212
Ft. to Ft.	Describe material, grain, size, color, etc.	CITY	STATE ZIP
219 222	SAND (MEDIUM COARSE)	Address AVE 112 WELL LOCATION—	
222 245	BROWN CLAY	City ANGIOLA CA	
245 261	SAND & CLAY	County TULARE	
261 282	BROWN CLAY	APN Book 293 Page 230 Parcel 01	
282 318	SAND (COARSE MEDIUM)	Township 22 S Range 23 E Section 28	
318 326	SANDY BROWN CLAY		
326 331	COARSE SAND		DEG. MIN. SEC.
331 345	SANDY BROWN CLAY	LOCATION SKETCH	— ACTIVITY (∠) — ✓ NEW WELL
345 348	COARSE SAND	Non	
348 362	SANDY BROWN CLAY		MODIFICATION/REPAIR —— Deepen
362 367	SANDY BLUE CLAY]	Other (Specify)
367 376	COARSE SAND		0505000 (7)
376 382	SANDY BLUE CLAY		DESTROY (Describe Procedures and Materials
382 385	COARSE SAND		Under "GEOLOGIC LOG"
385 387	SANDY BLUE CLAY		PLANNED USES(∠) WATER SUPPLY
387 389	COARSE SAND	WEST	Domestic Public
389 393	COARSE SAND & GRAVEL	. EA	Irrigation Industrial
393 398	COARSE SAND		MONITORING —— TEST WELL
398 406	SANDY BLUE CLAY		CATHODIC PROTECTION
406 408	BLUE CLAY & COARSE SAND		HEAT EXCHANGE
408 410	COARSE SAND		DIRECT PUSH
410 413	BLUE SANDY CLAY		INJECTION
413 417	COARSE SAND		VAPOR EXTRACTION SPARGING
417 442	SANDY BLUE CLAY	south —	REMEDIATION
442 453	COARSE SAND	Illustrate or Describe Distance of Well from Roads. Buildings. Fences, Rivers, etc. and attach a map. Use additional paper if	OTHER (SPECIFY)
453 459	MEDIUM & COARSE SAND	necessary. PLEASE BE ACCURATE & COMPLETE.	
459 480	SANDY BLUE CLAY	WATER LEVEL & YIELD OF COMPL	ETED WELL
480 500	BLUE CLAY	DEPTH TO FIRST WATER (Ft.) BELOW SURFACE	<u> </u>
		DEPTH OF STATIC	
		WATER LEVEL (Ft.) & DATE MEASURED	
TOTAL DEPTH OF I	BORING 500 (Feet)	ESTIMATED YIELD * (GPM) & TEST TYPE	
	COMPLETED WELL 490 (Feet)	TEST LENGTH (Hrs.) TOTAL DRAWDOWN	• •
TOTAL DEL TITOL	(TCC)	May not be representative of a well's long-term yield	d

DEP	BORF -		CASING (S)							DEPTH			ANNULAR MATERIAL]	
FROM SURFACE		BORE - HOLE DIA.	TYPE (V)			MATERIAL	INTERNAL	GAUGE	SLOT SIZE	FROM SURFACE		1 1			PE	ŀ		
Ft. to	Ft.	(Inches)	BLANK		CON- DUCTOR	FILL PIPE	MATERIAL / GRADE	DIAMETER (Inches)	OR WALL THICKNESS	IF ANY (Inches)	Ft.	Ft. to Ft.		CE- MENT (<u>~</u>)	BEN- TONITE (<u>✓</u>)	FILL (<u>✓</u>)	FILTER PACK (TYPE/SIZE)	
0	50	44"			✓		STEEL	36"	5/16") [50	✓			6 SACK	
0	240	30"	✓	1			STEEL	18" OD	5/16")	500				MIX 6 X 16 & 1/	И
240	480	30"		✓	1_1		STEEL	18" OD	5/16"	.050 SLO								Γ
480	490	30"	✓	1_			STEEL	18" OD	5/16"									1
				<u> </u>		_					–	_						
												- 1						L

 ATTACHMENTS	(🗹)	-
 Geologic Log		

 ✓ Well Construction Diagram __ Geophysical Log(s)

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

---- Soil/Water Chemical Analysis __ Other .

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

NAME MYERS BROS. WELL DRILLING, INC.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

8650 E. LACEY BLVD.

ADDRESS

CITY

06/28/07 DATE SIGNED

93230-4844 STATE ZIP
548214
C-57 LICENSE NUMBER

DWR 188 REV. 11-97

Signed WELL DRILLER/AUTHORIZED REPRESENTATIVE IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Sample No Temp

UNITED STATES 9:185-July 1935 Revised

DEPARTMENT OF THE INTERIOR

	GEOLOGICAL SURVEY WATER PESONECIS BRANCH
WELL	SCHEDULE CCT. 10
Sou Sou	1 by Alba Alba Alba Alba Alba Alba Alba Alba
1 #	State (Collfornia
	Map : (7160K WELK S-461C) N sec. T N R E
%	1200, Tulin.
•	30/dring Polking Co.
က	Topography C
4	Elevation 205 ft. above
5	Type: Dug, drilled,
6.	Depth: Ropt. 22/ ft. Mass. ft.
7.	Diam in., to in., Type
•	ft., Finish Comment of the Comment o
×.	Others <u>ket-13 - 321' 521'</u>
6	Water level the ropt. 19 al
10.	Pump: Type
11.	Yield: Flow G. M., Pump G. M., Meas., Rept. Est.
	Drawdownft. after hours pumping G. M.
12.	Use: Dom., Stock, PS., RR., Ind., Irr., Obs
	Adequacy, permanence

1712 22 21M

M. J. C. M. H. C. M. ON LAY F ことのアナナのの……とはしかか 160 FT WAR BITCH SECTION LINE

1485 mi. No Ave. 112 (sor, line) on W. Sile of cendl. 0.51miles south of & 14ve, 120 .52 mi. W/O 178 40 (soc. lino)

505 555 POS atter no.

1615th into ditch East 11 FA into ditek Disc. Diam. -8 // Length /5-17-E-Trans. No. - 366/ Remarks

To the Side which is 1.5 H. Thouse Nov. 6, 195 8 Byron - Lackson trush WL - 67,4' (12-51)

14. Remarks: (Log, Analyses, etc.)

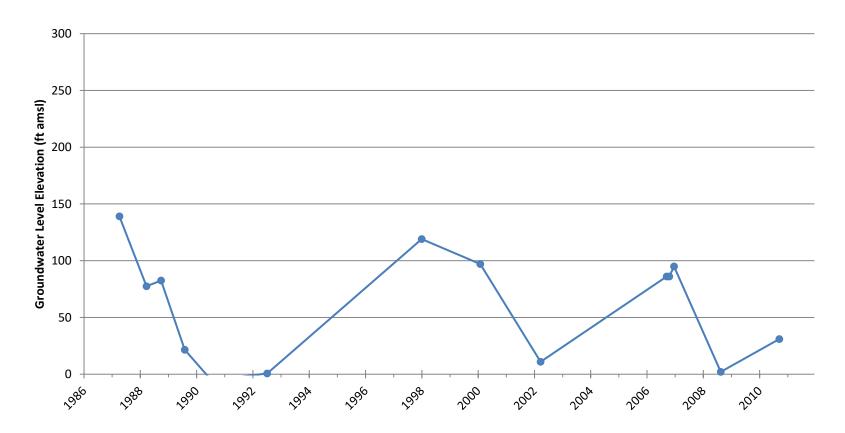
Taste, odor, color

Unfit for

13. Quality

Groundwater Hydrographs - Shallow

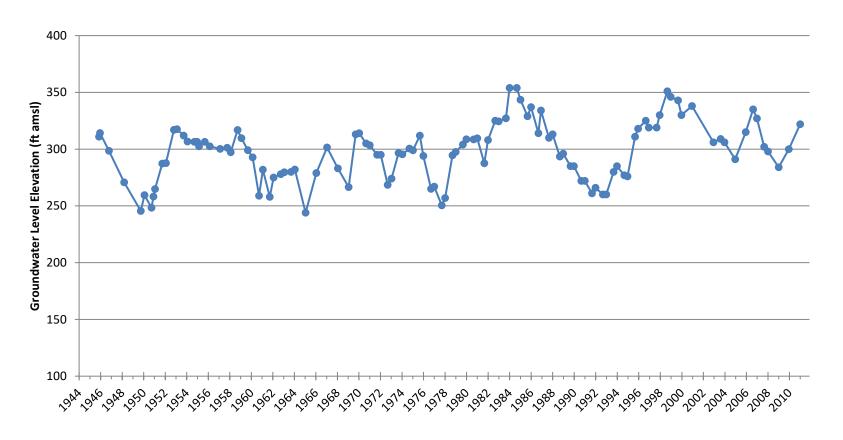
G-1





Groundwater Hydrographs - Shallow

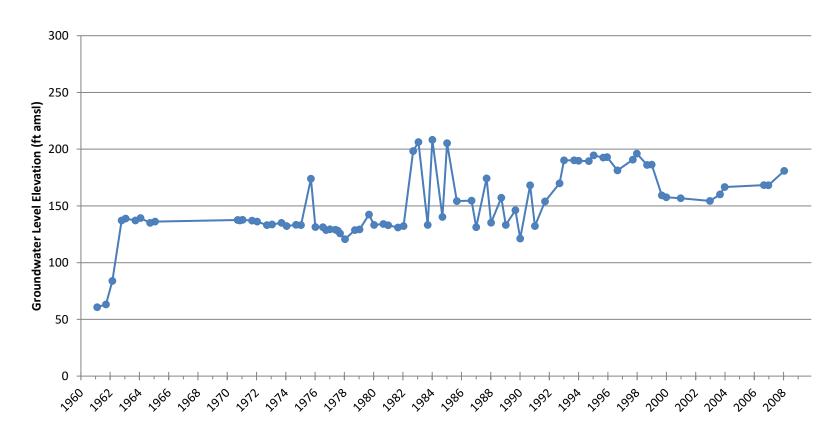
22S/26E-25J01





Groundwater Hydrographs - Shallow

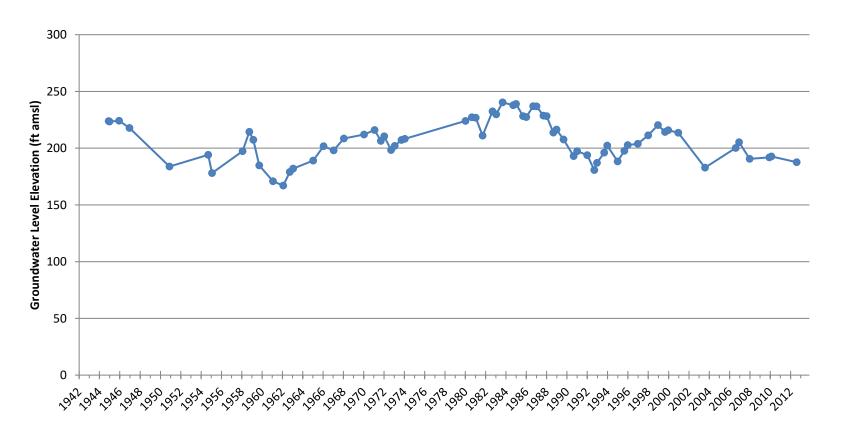
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Groundwater Hydrographs - Shallow

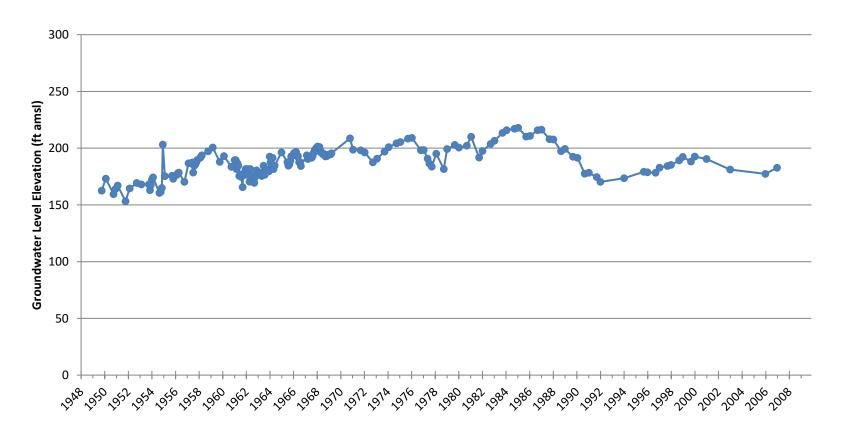
21S/24E-15H01





Groundwater Hydrographs - Shallow

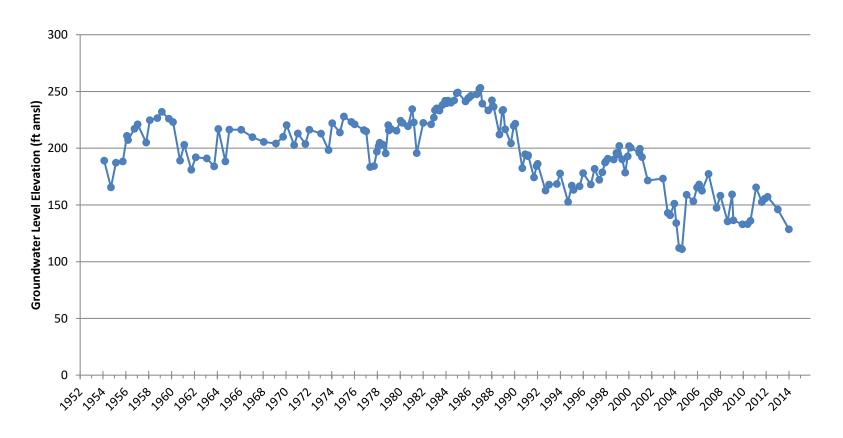
22S/25E-10E01





Groundwater Hydrographs - Shallow

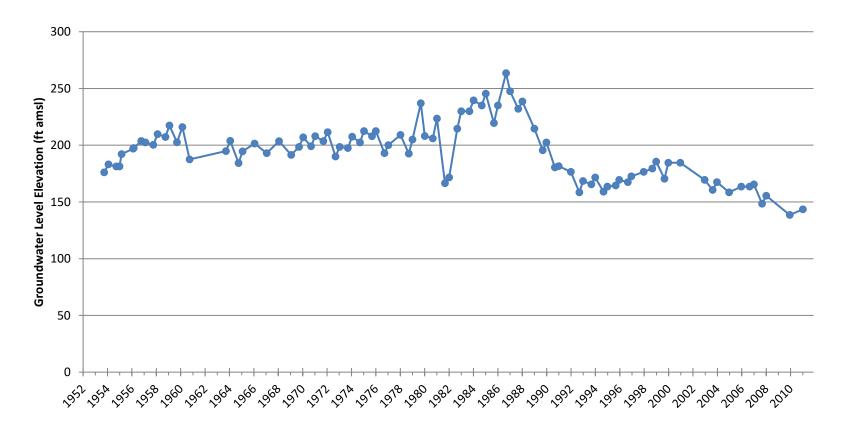
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Groundwater Hydrographs - Shallow

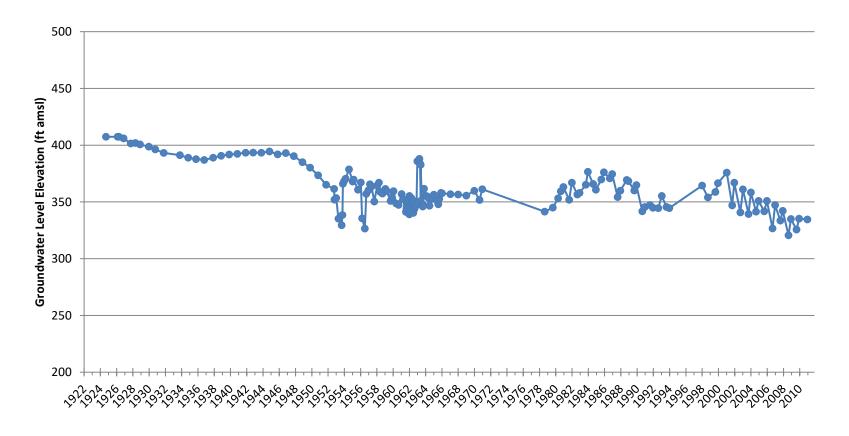
22S/26E-07J01





Groundwater Hydrographs - Shallow

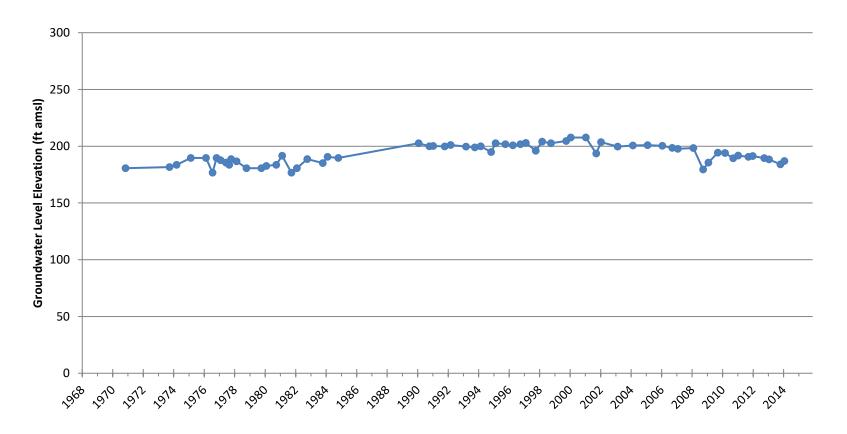
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Groundwater Hydrographs - Shallow

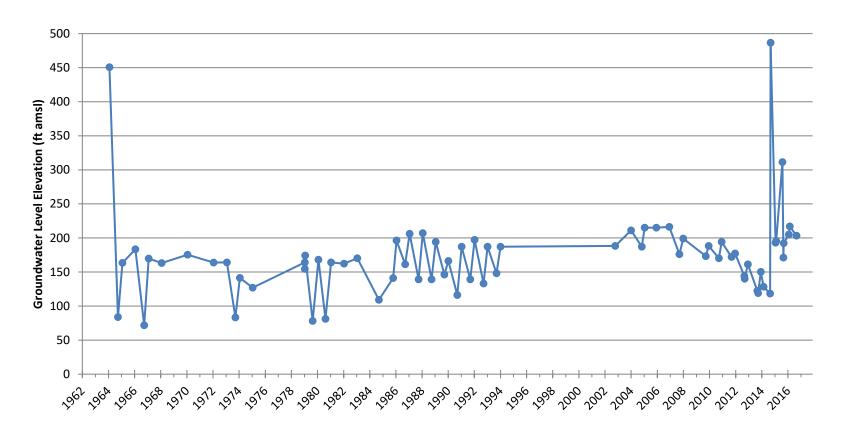
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Groundwater Hydrographs - Shallow

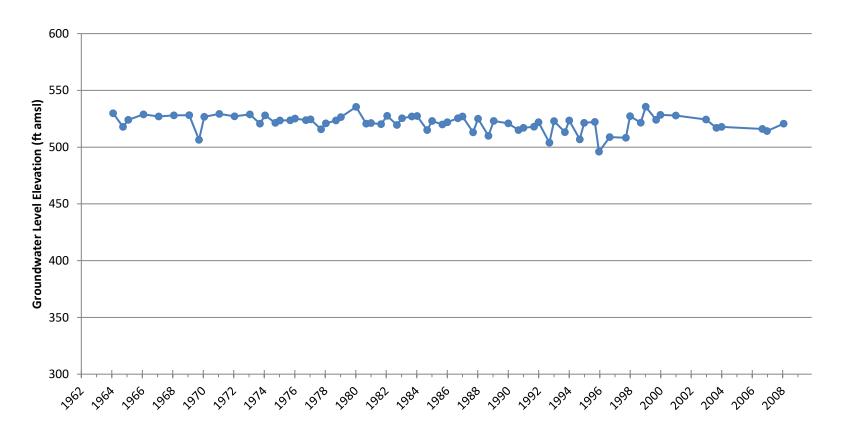
24S/26E-01R01





Groundwater Hydrographs - Shallow

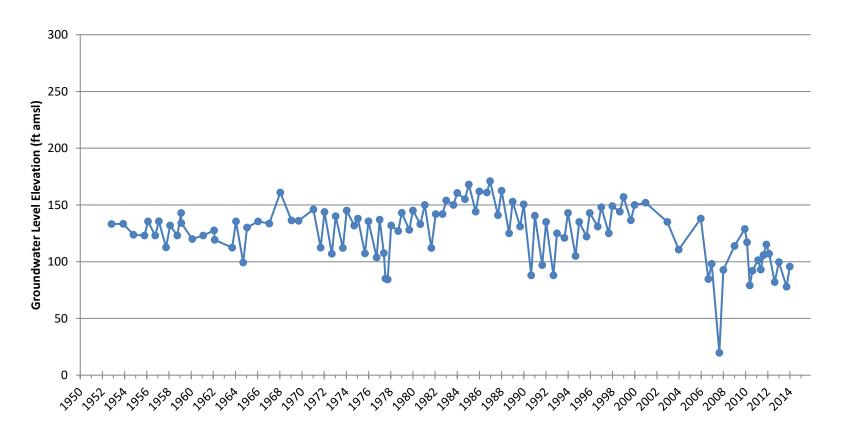
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Groundwater Hydrographs - Shallow

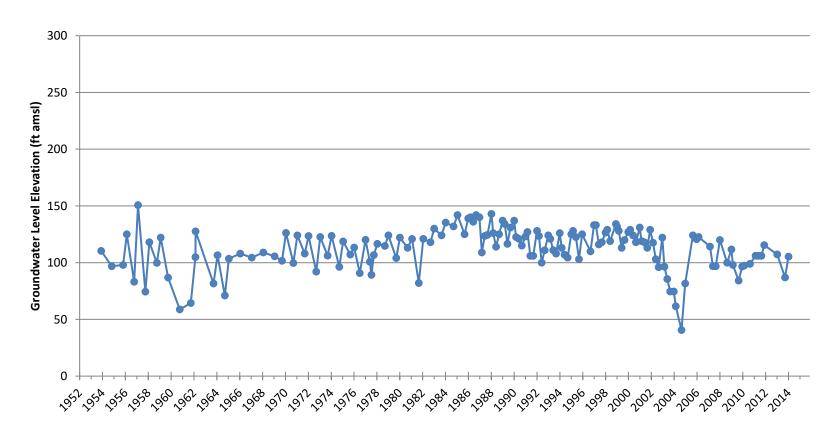
23S/25E-19D01





Groundwater Hydrographs - Shallow

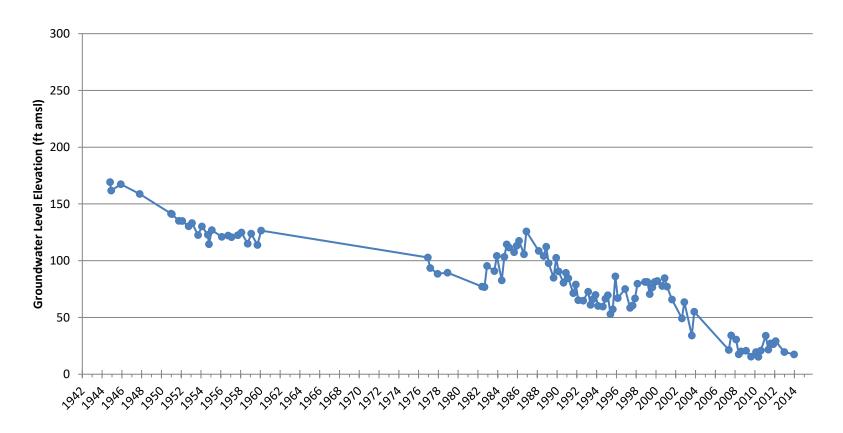
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Groundwater Hydrographs - Shallow

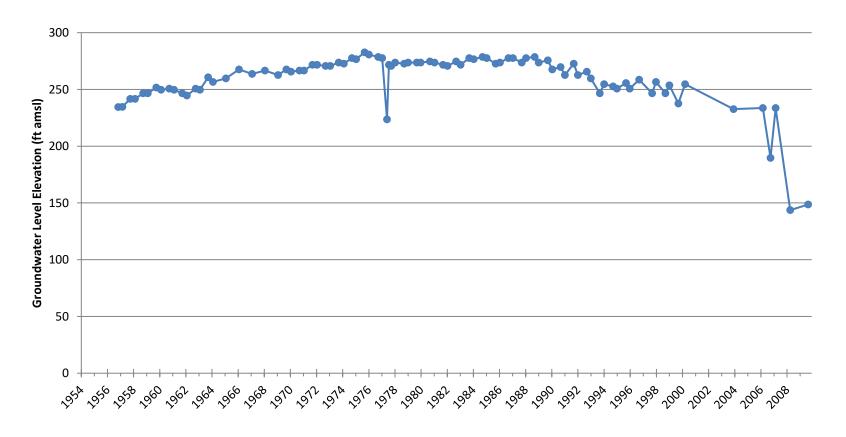
22S/24E-20A01





Groundwater Hydrographs - Shallow

24S/25E-35P01





_	TRIPLICATE	
-	Owner's Copy	

ORIENTATION (✓)

DEPTH FROM

SURFACE

0

25 38

50

54

61

66

74 79

86

91

95

234

243

248

DWR 188 REV. 11-97

STATE OF CALIFORNIA

COMPLETION REPORT Refer to Instruction Pamphlet

Name ANGIOLA WATER DIST.

Mailing Address 944 WHITLEY AVE. SUITE

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	<u>l</u> .							L	1	L	
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i	T	1	1	l	1	ı	1	ı	1	1	

APN/TRS/OTHER

Page 1 of 3 Owner's Well No. #2-13W

✓ VERTICAL ____ HORIZONTAL ___ ANGLE ____(SPECIFY)

DESCRIPTION

Describe material, grain, size, color, etc.

- FLUID

No. E054456 Ended 7/12/2007

Date Work Began 6/19/2007 Local Permit Agency TULARE COUNTY

54 SAND

61 CLAY

66 SANDY CLAY 74 CLAY

79 SANDY CLAY

86 CLAY BROWN

91 BLUE CLAY

98 SANDY CLAY

95 SAND

243 CLAY

248 SAND

TOTAL DEPTH OF BORING 490

253 SANDY CLAY

DRILLING METHOD REVERSE

25 SANDY BROWN CLAY 38 SANDY BLUE CLAY

50 | SANDY BROWN CLAY

Permit No. <u>07-0220</u> Permit Date <u>5/15/2007</u> **GEOLOGIC LOG**

Τ,	CORCORAN	CA	93212
	CITY	STATE	ZIP
	Address RD 40 & AVE 112 WELL LOCATION—		
	City ANGIOLA CA		
	County TULARE		
	APN Book 291 Page 110 Parcel 05		
_	Township 22 S Range 23 E Section 33		
	Latitude		
		DEG. MIN.	SEC.
_	LOCATION SKETCH————————————————————————————————————	ACTIVIT	/
	0,00 112	MODIFICATION	
_	1009 110	— Dee	pen er (Specify)
_		DESTRO	(Describe s and Materials
	\mathcal{S}		S and Materials EOLOGIC LOG"

___ (Ft.) BELOW SURFACE

--- (Ft.) & DATE MEASURED

__ (GPM) & TEST TYPE

..... (Hrs.) TOTAL DRAWDOWN_

98 111 CLAY 111 118 FINE SAND PLANNED USES (∠) 126 SANDY CLAY 118 WATER SUPPLY 126 133 BLUE CLAY Domestic .. ✓ Imigation 133 142 SAND MONITORING -142 158 BLUE CLAY TEST WELL 158 161 SAND CATHODIC PROTECTION_ 161 170 BLUE CLAY HEAT EXCHANGE 170 177 SAND DIRECT PUSH 177 196 BLUE CLAY VAPOR EXTRACTION 202 SANDY CLAY 196 SOUTH

Illustrate or Describe Distance of Well from Roads, Buildings,
Fences, Rivers, etc. and attach a map. Use additional paper if
necessary, PLEASE BE ACCURATE & COMPLETE. 202 205 BLUE CLAY REMEDIATION . 205 216 SANDY CLAY OTHER (SPECIFY). 216 228 BLUE CLAY WATER LEVEL & YIELD OF COMPLETED WELL 228 234 BLUE CLAY & SAND

TYPE FILL FILTER PACK (TYPE/SIZE)
TYPE/SIZE)
(✓) ` ` `
SIX SACK
√ 1/4 X 10

DEPTH TO FIRST WATER-

DEPTH OF STATIC WATER LEVEL.

TEST LENGTH

ESTIMATED YIELD *

ATTACHMENTS (∠) CERTIFICATION STATEMENT Geologic - Log I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief. NAME MYERS BROS. WELL DRILLING, INC.
(PERSON_EIRM, OR CORPORATION) (TYPED OR PRINTED) ✓ Well Construction Diagram Geophysical Log(s) **HANFORD** CA 93230-4844 Soil/Water Chemical Analysis _ Other 07/16/07 548214 ATTACH ADDITIONAL INFORMATION, IF IT EXISTS. -57 LICENSE NUMBER

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

SPARGING.

TRIPLIC	ATE
Owner's	Сору

ORIENTATION (✓) DEPTH FROM

STATE OF CALIFORNIA

DWR USE ONLY COMPLETION REPORT Refer to Instruction Pamphlet

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		STA	TE	WELI	NO.	/ STA	OITA	N NC).	
	1					-	Ι	<u> </u>		
LATITUDE LONGITUDE										

APN/TRS/OTHER

NOT

Page 2 of 3

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Owner's Well No. #2-13W Date Work Began 6/19/2007

No. E054456 , Ended 7/12/2007

Local	Permit	Agency	TULARE COUNTY
-------	--------	--------	---------------

Permit No. 07-0220

GEOLOGIC LOG

Permit Date 5/15/2007

VERTICAL HORIZONTAL ANGLE(SPECIFY)	Name ANGIOLA WATER DIST.		
DRILLING REVERSE FLUID	Mailing Address 944 WHITLEY AVE. SUITE		
DESCRIPTION	CORCORAN	CA	93212
Describe material, grain, size, color, etc.	CITY	STATE	ZIP

WELL OWNER

Ft. to	Ft.	Describe material, grain, size, color, etc.	CITY STATE ZIP
253	265	SAND	Address RD 40 & AVE 112 WELL LOCATION
265	269	CLAY	City ANGIOLA CA
269	276		CountyTULARE
276	278	CLAVIAGRAD	APN Book 291 Page 110 Parcel 05
278	296		Township 22 S Range 23 E Section 33
296	303	SAND	Latitude Latitude
303	309	CLAY	DEG. MIN. SEC. DEG. MIN. SEC.

ACTIVITY (✓) • LOCATION SKETCH-309 316 SAND NORTH ✓ NEW WELL 322 SANDY CLAY 316 MODIFICATION/REPAIR 322 325 SAND - Deepen - Other (Specify) 325 337 CLAY

337 346 SAND DESTROY (Describe Procedures and Mate 346 354 SANDY CLAY Procedures and Materials Under "GEOLOGIC LOG" 354 367 CLAY PLANNED USES(∠)

374 SAND 367 WATER SUPPLY _ Domestic __ 374 381 SANDY CLAY 🗹 Irrigation 🔙 Industrial 381 384 | CLAY MONITORING -384 385 SANDY CLAY TEST WELL

385 391 SAND CATHODIC PROTECTION_ 391 404 CLAY HEAT EXCHANGE DIRECT PUSH 404 410 SAND INJECTION 423 CLAY 410 VAPOR EXTRACTION 423 434 CLAY W/LITTLE SAND **SPARGING** 434 439 SAND REMEDIATION

Illustrate or Describe Distance of Well from Roads. Buildings. Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE. 439 443 SANDY CLAY 454 SAND 443 456 CLAY 454

WATER LEVEL & YIELD OF COMPLETED WELL DEPTH TO FIRST WATER (Ft.) BELOW SURFACE

DATE SIGNED

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

472 CLAY DEPTH OF STATIC 463 WATER LEVEL ___ (Ft.) & DATE MEASURED 472 480 SAND

___ (GPM) & TEST TYPE ESTIMATED YIELD * ____ TOTAL DEPTH OF BORING 490 TEST LENGTH_____ (Hrs.) TOTAL DRAWDOWN____ TOTAL DEPTH OF COMPLETED WELL 490

CASING (S) DEPTH FROM SURFACE DEPTH **BORE** FROM SURFACE TYPE (< HOLE DIA. INTERNAL GAUGE SLOT SIZE MATERIAL /

TYPE CON-DUCTOR FILL PIPE FILTER PACK DIAMETER OR WALL IF ANY GRADE MENT TONITE FILL Ft. to Ft. THICKNESS (Inches) to (Inches) (<u>✓</u>) <u>(√</u>) 0 50 44" SIX SACK STEEL 36' 5/16" 0 50 0 240 30" 18" 5/16" 0 490 1/4 X 10 STEEL 240 480 30' 18" 5/16" .050 SLO STEEL 480 490 30" STEEL 18" 5/16"

ATTACHMENTS (∠)

Geologic Log

456

✓ Well Construction Diagram

463 SAND

Geophysical Log(s)

_ Other _ ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

- Soil/Water Chemical Analysis

CERTIFICATION STATEMENT

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

NAME MYERS BROS. WELL DRILLING, INC.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

8650 E. LACEY BLVD. **HANFORD** 93230-4844 CA 548214 07/16/07

WELL DRILLER/AUTHORIZED REPRESENTATIVE

DWR 188 REV. 11-97

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

C-57 LICENSE NUMBER

OTHER (SPECIFY)_

ANNULAR MATERIAL

TRIPLICA		STATE OF CALIFO	SIG VIII C	DO NOT FILL IN
Owner's C	юру	WELL COMPLETION		O./ STATION NO.
Page 3 of 3		Refer to Instruction	· umpine.	O./ STATION NO.
Owner's V				
Date Work	Began _	6/19/2007 Ended 7/12/2007	LATITUDE	LONGITUDE
Local Pe	rmit A	gency TULARE COUNTY		
	No. 07		APN/TRS	/OTHER
		GEOLOGIC LOG	WELL OWNER -	
ADJENITATI	ON (/)	✓ VERTICAL — HORIZONTAL — ANGLE — (SPECIFY)		
ORIENTATI	ON (<u>~</u>)	DDILLING	Mailing Address 944 WHITLEY AVE. SUIT	·E
DEPTH F			CORCORAN	CA 93212
SURFA		DESCRIPTION Describe material, grain, size, color, etc.	CITY	CTATE 7ID
480		CLAY	Address RD 40 & AVE 112 WELL LOCATION	
1 700	700	, 00	- Address NU 40 & AVE 112	
<u> </u>			- City ANGIOLA CA	- · · · · · · · · · · · · · · · · · · ·
			County TULARE	
ļ			- APN Book <u>291 Page 110 Parcel 05</u>	
			Township 22 S Range 23 E Section 33	
		.,	Latitude	1 1
			DEG. MIN. SEC.	DEG. MIN. SEC.
1			LOCATION SKETCH————————————————————————————————————	ACTIVITY (∠) -
				ì
			1	MODIFICATION/REPAIR Deepen
			-	- Other (Specify)
-	· · · ·		-	
-			-	DESTROY (Describe Procedures and Materi
 -			-	Under "GEOLOGIC LC
			.	PLANNED USES(∠
<u> </u>			- ⊢ _	WATER SUPPLY Domestic Public
			WEST	✓ Irrigation Industri
			_ s	MONITORING —
			_	TEST WELL
				CATHODIC PROTECTION
			1	HEAT EXCHANGE
			1	DIRECT PUSH
			-	INJECTION
- :			1	VAPOR EXTRACTION
-			- south	SPARGING
			- Illustrate or Describe Distance of Well from Roads, Buildings,	REMEDIATION OTHER (SPECIFY)
			Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.	OTHER (SPECIFY)

May not be representative of a well's long-term yield. CASING (S) DEPTH FROM SURFACE ANNULAR MATERIAL DEPTH FROM SURFACE BORE -HOLE DIA. (Inches) SCREEN AL CON-TYPE SLOT SIZE IF ANY (Inches) MATERIAL / GRADE INTERNAL DIAMETER GAUGE OR WALL THICKNESS CE-MENT BEN-FILTER PACK (TYPE/SIZE) TONITE FILL Ft. to to Ft. Ft. (Inches) <u>(√)</u> <u>(√)</u> **(**✓) SIX SACK 0 50 44" 0 STEEL 36" 5/16" 50 0 240 30" 1/4 X 10 STEEL 18" 5/16" 0 490 240 30" 480 STEEL 18" 5/16" .050 SLO 480 490 30" STEEL 18" 5/16"

TOTAL DEPTH OF BORING 490

TOTAL DEPTH OF COMPLETED WELL 490

- (Feet)

(Feet)

WATER LEVEL & YIELD OF COMPLETED WELL

..... (Ft.) & DATE MEASURED .

___ (GPM) & TEST TYPE_

__ (Ft.)

___ (Hrs.) TOTAL DRAWDOWN___

DEPTH TO FIRST WATER----- (Ft.) BELOW SURFACE

DEPTH OF STATIC

TEST LENGTH____

WATER LEVEL _ ESTIMATED YIELD *___

ATTACHMENTS (∠)	CERTIFICATION	STATEMENT -		
Geologic Log	I, the undersigned, certify that this report is complete and accurate to the	best of my knowledge and belief	f.	
	NAME MYERS BROS. WELL DRILLING, INC.			
Geophysical Log(s)	(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)			
— Soil/Water Chemical Analysis	8650 E. LACEY BLVD.	HANFORD	CA	93230-4844
Other	ADDRESS	CITY	STATE	ZIP
1	Signed	07/16/07	<u>548</u>	8214
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.	WELL DRILLER/AUTHORIZED REPRESENTATIVE	DATE SIGNED	C-5	7 LICENSE NUMBE
DWR 188 REV. 11-97 IF ADDITIO	DNAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBER	RED FORM		

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

	ORIGINAL File with DWR	21/25-13 STATE OF CA	FION REPORT	<u> </u>
	Page of	Refer to Instruct		
	Owner's Well No.		188425 - [[╛
	Date Work Began		LATITUDE LONGITUDE	7
h	Local Permit A	· · · · · / · · · / · · · / · · · · / · · · · / · · · · · · / ·		╛
	Permit No		APN/TRS/OTHER	_
		GEOLOGIC LOG	WELL OWNER -	
	ORIENTATION (소)	VERTICAL HORIZONTAL ANGLE (SPECIFY		_
	DEPTH FROM	DEPTH TO FIRST WATER(Ft.) BELOW SURFACE	Mailing Address 15754 Acc 168	_
1	SURFACE	DESCRIPTION	GIT JAPE STATE ZIP	¥
	Ft. to Ft.	Describe material, grain size, color, etc.	WELL LOCATION	_
	0 10	Sandy Clay,	Address 15754 Ave 166	_
	12 15	34 2 (1)	City Tu land	_
		- Sandy Clay	County Thigher	_
	<u>88 jāb</u>		APN Book 230 Page 690 Parcel 16	_
	112 124		Township 215 Range 2.56 Section 13	_
	P4 154		Latitude L NORTH Longitude WES	<u>3T</u>
	154 178	+ gray Clay,	LOCATION SKETCH ACTIVITY (\(\sigma\)	_
,	178 190 190 210	red grey clay.	NORTH NEW WELL	
	- 15 0 00	200	MODIFICATION/REPAIR	
			Deepan	
	250 250	Par Clay	Other (Specify)	
	253 360		- 	_
	1		DESTROY (Describe Procedures and Materi	ais
	Manufactures of Manufactures o		Under "GEOLOGIC LOC	G'7
	·		FLANNED USE(S (∠) MONITORING) -
	1	1 200	WATER SUPPLY	
	1	<u> </u>	WATER SUPPLY	
	- 	1	Domestic	7.
	-		Public.	
•			Irrigation	
	·	1	Industrial	į
	i	- OFF	TEST WELL"	İ
	!	- Collins	SOUTH	C-
	; !	HISIDE OF A	Illustrate or Describe Distance of Well from Landmarks — OTHER (Specify) such as Roads, Buildings, Fences, Rivers, etc.	ļ
	İ	OUTSIDE AREA	PLEASE BE ACCURATE & COMPLETE.	
	. !	000171	DRILLING Cable tool FLHID HUMAN	
	I	i Umr	WATER LEVEL & YIELD OF COMPLETED WELL —	_
			WATER LEVEL	
	i		ESTIMATED YIELD \$ 250 (GPM) & TEST TYPE AT 112+	-
	TOTAL DEPTH OF	BORING 25% (Feet)	TEST LENGTH 12 (Hrs.) TOTAL DRAWDOWN 16 (Ft.)	-
		COMPLETED WELL <u>357</u> (Feet)	* May not be representative of a well's long-term yield.	
1				크
	DEPTH FROM SURFACE	BORE CASING(S)	DEPTH ANNULAR MATERIAL	
	THOM SUMPAGE	HOLE TYPE (\leq) DIA. \leq \leq \leq MATERIAL/ INTERNAL GA	JGE SLOT SIZE FROM SURFACE TYPE CE- BEN-	
	Ft. to Ft.	(Inches) 홍별병원 GRADE DIAMETER OR	NESS (Inches) Ft to Ft MENT TONITE FILL FILTER PACK	
			$(\Sigma)(\Sigma)(\Sigma)$	
	<u>ර වූව</u>		None 0 20 -	_
	0 243		901	
ŀ	<u>1'/5;3-35</u>	milks performing own	175-275	_
ł		 		_
ł	<u>-</u>	 	·	\dashv
!	ATTAC	HMENTS (∠)	CERTIFICATION STATEMENT	_
		# I the undersigned posting the	at this report is complete and accurate to the best of my knowledge and belief.	
	Geologi	, LOG		
		(PERSON, FIRM, OR CORPORATI	ON) (TY/ED OR PRINTED)	
	•	ter Chemical Analyses	once Chele These Ca. 93274	
	Sout/Wa	ADDRESS	CITY STATE ZIP	-
j		INFORMATION IF IT EVISTS Signed Marches	Jan 3/11/92 398407	
l	ATTACH ADDITIONAL	INFORMATION. IF IT EXISTS. Signed WELL DRILLER/AUTHORIZED BE	PRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER	

ORIGINAL File with DWR	WELL COMPLI	TION REPOR	را کرا احرار را کرا احرار	9NLY - BO NOT FILL IN -
Page of	Refer to Instru	•		STATE WELL NO./STATION NO.
Owner's Well No.	No.	519706		
Date Work Began		•	LATITUDE	LONGITUDE
Local Permit Ag Permit No		-99	—	APN/TRS/OTHER
reimit No.	Permit Date		- WELL OF	
ORIENTATION (∠)	VERTICAL HORIZONTAL ANGLE (SPECI	Name Ne	Hetr	
OURAL VIOLET	DEPTH TO FIRST WATER (Ft.) BELOW SURFACE	17 Marile	14770 1	ve 184
DEPTH FROM SURFACE	DESCRIPTION	Strath		Ca. 93267
Ft. to Ft.	Describe material, grain size, color, etc.	ату	WELL LOC	STATE ZIP
0 3	Top Soil	Address		. 1100
3 5	(Fine) sand	City	SAME	
15 19	(Coarse) sand	County		
139 30	Green clay	APN Book	15 Page <u>030</u> P	arcel <u>208</u>
30 35	(coarse) sand (H20)	Township 21	<u> 3 Range ユムビ Se</u>	ection
133 34 34 A	(Fine) sand	Latitude	NORTH L	ongitude <u>1 1 WEST</u>
27 1/25	Brown Sandy clay	• 1	CATION SKETCH -	ACTIVITY (\(\sigma\)
105 107	(Coarse) sand (Ho)		NORTH	NEW WELL
102 133	Brown Clay + sand			MODIFICATION/REPAIR
132 140	sandstone (Hard)		1	Deepen
140 162	Red day + sand		1.	Other (Specify)
162 167	(Coarse) sand (HOO)		Ave 184	
167 172	Sandstone (Hard)	A GOLN	vell	DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")
172 176	(coarse sand (4,0)	. k r}16€7		NT 4 11 11 11 11 11 11 11 11 11 11 11 11 1
176 205	Brown clay + sand	Mest Control	~ A	版 PLANNED USE(S) - (ビ) MONITORING
<u> </u>		1707	165	WATER SUPPLY
<u> </u>	· · · · · · · · · · · · · · · · · · ·			Domestic
			~ [™]	Public -
) 			. 4	Irrigation
- 1		_		Industrial
		\dashv		"TEST WELL"
 	<u> </u>		— souтн — —	CATHODIC PROTECTION
 	· · · · · · · · · · · · · · · · · · ·	Illustrate or Descrii	be Distance of Well from I Idings, Fences, Rivers, etc.	Landmarks — OTHER (Specify)
!		PLEASE BE ACC	CURATE & COMPLETE.	
		DRILLING ACTION	tary	
		WATER	LEVEL & YIELD O	FLUID TO WELL TO WELL
		DEPTH OF STATIC WATER LEVEL	57 /	E MEASURED 2-13-99
<u>!</u>		ESTIMATED YIELD	1 Å Å	1/1 . 1 < 1'1
TOTAL DEPTH OF		TEST LENGTH 4	(Hrs.) TOTAL DRAW!	DOWN
TOTAL DEPTH OF	COMPLETED WELL 2005 (Feet)	* May not be repres	sentative of a well's long-	term yield.
	CASING(S)			ANNULAR MATERIAL
DEPTH FROM SURFACE	BORE- HOLE TYPE (∠)		DEPTH FROM SURFACE	TYPE
	''V'	UGE SLOT SIZE	1 -	CE- BEN-
Ft. to Ft.	DIA. (Inches) BIS SOCIETY GRADE (Inches) THIC	KNESS (Inches)		MENT TONITE FILL FILTER PACK (TYPE/SIZE)
0 80		140 9	A : 23 '	(<u>\(\(\(\) \) \(\(\) \) \(\(\) \)</u>
80 200		140 905X3	12 5/4	4 38 minus
		70.00.1	2, 303	
I I				
ATTACE	(MENTS (∠)		TION STATEMENT	
Geologic	Log I, the undersigned, certify the	at this report is comple	ete and accurate to the	best of my knowledge and belief.
- Well Con	struction Diagram NAME NAME 11590 J	Drilling		
ľ	cal Log(s) (PERSON, FIRM, OR CORPORA	• • • •	71	1 907517
1	er Chemical Analyses 1970 Joma 1	1 12	orterville	<u> </u>
Other		1/1-0	CIIT -	15-00 // \/AD
ATTACH ADDITIONAL	NFORMATION. IF IT EXISTS. Signed WELL DRILLER/AUTAORIZED	EPRESENTATIVE		SIGNED C57 LICENSE MUMBER
DWR 188 REV. 7-90	IF ADDITIONAL SPACE IS NEEDED: USE N		NUMBERED FORM	

9=063 (December 1949)

21/26-224 UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY WATER RESCURCES DIVISION

No. 2/2/2/2/2//
OTHER NOS.

WELL LOG

مرامزهم State	County 72 / Subarea	,	
	- 1 Jackson		
)
Drilled by	rolls Bros Address Portenu	///=	
·	St 1949 Casing diam. 19 Land-surf. alt		ي د المواد المواد المواد المواد المواد المواد المواد المواد المواد المواد المواد المواد المواد المواد المواد ا
Source of data	(Enter type of well, perforations, yield, and drawdown at end of lo		
Correlation	MATERIAL	THICKNESS (feet)	Derтн (feet)
0-75	Sail		
75-83	Muddy sand		
96-110	Szud, Rock Fire		
110-125	Sirily Clay Birown clay		
125-144	Mushy soud		
144-149	Sond		~ ~ W = 6 * * * * * * * * * * * * * * * * * *
149-160	Brown Clay		
760.169 164-174	Muddy Siva Clay		
1.6.7	<u> </u>		. *
	9-170 16" pipe, 2-9244e	************	••••
	1956. 118' 10108'		
	***************************************		••••
		•	,
			, * *, * * * * * * * * * * * * * * * *

RECORD BY B. L. Klausing

DATE 5/27/39

SHEET _____OF ____

ORIGINAL 2/	1/26-34		OF CALIFO			E ONLY —	DO NOT FILL IN		
Page of	•	WELL COMI				STATE WELL N	IO./STATION NO.		
Owner's Well No		N		39973					
Date Work Began	4-29-92 End	ed 4-30-92	40	33313	LATITUDE		LONGITUDE		
Local Permit Agency	, rulare co.		~		_				
Permit No. 640	027	r crass Date	-27- 9	2		APN/TR	S/OTHER		
¥.	GEOLOGIC LOC			Raid	itta Holte	WNER	_		
	VERTICAL HORIZONT		SPECIFY)	Name	347 N. Ne	r mann			
DEPTH FROM SURFACE	DEPTH TO FIRST WATER	(Ft) BELOW SUR HIPTION	RFACE	Mailing Address Porterv	ille Ca.	, NOOMS			
(Ft. to Ft.	Describe material,	grain size, color, etc.		CITY	WELLLO	CATION	STATE ZIP		
0 5	Top Soil	- ((2)		*100103	1/2 AVE 122				
5 10 10 20	Clay			Carry · · · · · · · · · · · · · · · · · ·	rterville	Ca.			
20 40	Sandy Clay Gravely san				are	- 1-			
40 60	Sandy Clay			APN Book 23 Township 218	Page 010	Parcel 1	1 34		
60 80	Sandy Clay		And the same						
80 100	Cobbles			Latitude	MIN. SEC.		DEG. MIN. SEC.		
100 120	Gravely Cla	y \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		roc	CATION SKETCH — NORTH ———		X ACTIVITY (\(\sigma\)		
120 140	Sandy Clay(v		s)	•	f i		MODIFICATION/REPAIR		
140 160	Coarse sand			ç	<u>.</u>]		Деерел		
160 180 <i>[</i>				<u>-</u> -	l nue		Other (Specify)		
100 1200				ફ	AUE 152	,			
					132	'	DESTROY (Describe Procedures and Materials		
	2 <u>4 1885 - </u>				}	-	Under "GEOLOGIC LOG"? - PLANNED USE(S) -		
				West T	Ì	EAST	(∠) — MONITORING		
- :	<u> </u>				1		WATER SUPPLY		
i i		· <u></u>					X Domestic		
					1		Public		
1 1			20		•		Irrigation		
		~ c(THO				Industrial		
		CILL A	12				CATHODIC PROTEC-		
	f		317		— SOUTH ———— be Distance of Well from		TION OTHER (Specify)		
1 :	-	117/1/10		such as Roads, Buil PLEASE BE ACC	dings, Fences, Rivers, etc. URATE & COMPLETI	2			
1 1		- Ulm.		DRILLING F	otary		Mud		
				METHOD	LEVEL & YIELD	OF COMP	LETED WELL —		
1				DEPTH OF STATIC WATER LEVEL	89 (Et) & DA	TE MEASURE	4-30-92		
i i	230			ESTIMATED YIELD	175 (GPM) &	TEST TYPE _	Air Lift		
TOTAL DEPTH OF BORD	NG(Feet)		ŀ	TEST LENGTH	(Hrs.) TOTAL DRA	WDOWN	97 (Ft.)		
TOTAL DEPTH OF COM	PLETED WELL	(Feet)		* May not be repres	entative of a well's lon	g-term yield.			
DEPTH BO		CASING(S)			DEPTH	ANNU	LAR MATERIAL		
FROM SURFACE HO	ORE- TYPE (∠)	TEDIAL / INTERNAL	GAUGE	SLOT SIZE	FROM SURFACE		TYPE		
		TERIAL DIAMETER (Inches)	OR WAL	L IFANY	Ft. to Ft.	CE- BEN- MENT TONITE	FILL FILTER PACK		
	14 등 등 등 등	(inches)	HIONNES	(inches)	1	(∠) (∠)	(∠) (TYPE/SIZE)		
0 200	' ⁴ X P	V C 6	Scd	4d 	50 : 50	X	3/8 Grav		
80 +20p		ii ii	11	3/32)/ U GI & V		
· · · · · · · · · · · · · · · · · · ·	 - 	- .		 	- I				
					<u> </u>				
1			—— ATTACHMENTS (∠) ———————————————————————————————————						
АТТАСНМЕ	· · · · II	l the understand	ale, al						
ATTACHME Geologic Log		T. & T. W		nis report is compl			knowledge and belief.		
Geologic Log	ion Diagram	I, the undersigned, cer	ell D	nis report is compl rilling			knowledge and belief.		
Geologic Log Well Constructi Geophysical Log	ion Diagram	NAME $\frac{ ext{L & L W}}{ ext{(PERSON, FIRM, OR CO)}}$	ell D	nis report is complerilling (TYPED OR PRINTED)	ete and accurate to t	he best of my			
Geologic Log Well Constructi Geophysical Log	tion Diagram og(s) emical Analyses	NAME $\frac{ ext{L & L W}}{ ext{(PERSON, FIRM, OR CO)}}$	ell D	nis report is compl rilling	ete and accurate to t	he best of my	93274 STATE ZIP		

R 188 REV. 7-90

ORIGINAL File with DWR

STATE OF CALIFORNIA

WELL COMPLETION **REPORT**

Page 2 of 2 Owner's Well No. Craig Silveira Refer to Instruction Pamphlet
No. 47663

Dat	te '	Wor	k B	egan	5/21	/2007	 Ended 5/2

	No. 4/	O	O
ted 5/22/2007			

									
STAT	E WELL NO.	STATĪČ	N NO						
LATITUDE		LON	GITUD	E					
	1 1	1 1							
APN/TRS/OTHER									

Local I	Permit Ag	gency Tulare Co.	
Perm	it No. <u>07</u>	7-0116 Permit Date 3/28/2007	APN/TRS/OTHER
		GEOLOGIC LOG	WELL OWNER -
ORIENTA	ΓΙΟΝ (≰)	VERTICAL — HORIZONTAL — ANGLE — (SPECIFY)	
DEPTH		DRILLING METHOD CABLE FLUID WATER/POL	Mailing Address <u>2143 N. Adams</u> Tulare CA 93274
SURF Ft. to		DESCRIPTION Describe material, grain, size, color, etc.	CITY STATE ZIP
332		CLAY	Address 1/4 mile s. ave 160 1/2 mile w. rd 24
342	356	SAND	City Corcoran, Ca CA
356	362	CLAY	County tulare
362	370	SAND	APN Book 200 Page 230 Parcel 02
370	375	CLAY	Township 21 S Range 23 E Section 30
375	395	SAND	Latitude
395	406	CLAY	DEG. MIN. SEC. DEG. MIN. SEC.
406	411	SAND	LOCATION SKETCH——ACTIVITY (🗹)
411	440	CLAY	INEVV VVELL
			MODIFICATION/REPAIR —— Deepen
			— Other (Specify)
			— DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG"
			PLANNED USES(∠)
			WATER SUPPLY
			SU
			MONITORING —
			TEST WELL CATHODIC PROTECTION
			HEAT EXCHANGE —
			DIRECT PUSH
			INJECTION
			VAPOR EXTRACTION >
			SPARGING SPARGING REMEDIATION
			Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if OTHER (SPECIFY)
			necessary. PLEASE BE ACCURATE & COMPLETE.
			WATER LEVEL & YIELD OF COMPLETED WELL
			DEPTH TO FIRST WATER (Ft.) BELOW SURFACE
			DEPTH OF STATIC WATER LEVEL (Ft.) & DATE MEASURED
<u> </u>			ESTIMATED YIELD * (GPM) & TEST TYPE
TOTAL DI	EPTH OF I	BORING 440 (Feet)	TEST LENGTH (Hrs.) TOTAL DRAWDOWN (Ft.)
TOTAL DI	EPTH OF	COMPLETED WELL <u>420</u> (Feet)	May not be representative of a well's long-term yield.
			the state of a state of the sta

DEPT		BORF -		CASING (S)								DEPTH			ANNULAR MATERIAL			
FROM SUF	RFACE	BORE - HOLE			<u> (</u>						FROM SURFACE		ACE	TYPE			PE .	
Ft. to	Ft.	DIA. (Inches)	BLANK	SCREEN	CON-	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)		Ft.	to	Ft.	CE- MENT (✓)	BEN- TONIT (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	260	28	✓				STEEL	15.5	1/4			0	T	20	✓			
260	420	28		✓	_		STEEL	15.5	5/16	.125		20		440				GRAVEL
			L_		_	Ш							<u> </u>				<u> </u>	
											L		 					
					1	Ŀ					\perp		1_					

_	ATTA	CHN	IENTS	(⊻)
---	------	-----	--------------	-----

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

	CERTIFICATION STATEMENT
-------------	-------------------------

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

NAME Myers Well Drilling

(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

12522 9th ave

Hanford CITY 05/23/07 DATE SIGNED

93230 ZIP STATE 865822 C-57 LICENSE NUMBER

CA

WELL DRILLER/AUTHORIZED REPRESENTATIVE IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

DUPLICATE File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION

CONTROL BOARD No.____

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

	\boldsymbol{D}	o Not Fill In	V
	N_0	105172 22/23-	,
State	Well No.	22/23-	6_
	11		

THE RESOURCES AGENCY OF CALIFORNIA

D_0	Not Fill In	\sim
No.	105172 22/23-	6
otate Men 140"	must be done	<i></i>
Other Well No.		

(Insert appropriate unmber)	
(1) OWNER:	(11) WELL LOG:
Name Andy Wheat	Trad took
	Formation: Describe by color, character, size of material, and structure.
	ft. toft.
Julare, Oly - 93874	0 " 6 "top soil
(2) LOCATION OF WELL:	6 "13 "sand fine & clay gray
County The Owner's number, if any-	13 "27 "sand med.
R. F. D. or Street No. 1/4 mi No E. of Ave. 4th. So.	27
side of Tule river, section 6. corcoran,	ca. 32 "45 "sand med.
	45 48 sand & blue clay
22/23/6	48 "61 "sand med.
	61 "96 "clay blue
(3) TYPE OF WORK (check):	96 121 "sand med. 121 128 "clay blue
New well ∑ Deepening ☐ Reconditioning ☐ Abandon ☐	
If abandonment, describe material and procedure in Item 11.	128 142 "sand stone & fine & med.sand 142 179 "clay blue
	179 184 "sand med.
(4) PROPOSED USE (check): (5) EQUIPMENT:	184 189 "clay blue
Domestic Industrial Municipal Rotary ai -	189 209 sand med.
Irrigation Test Well Other Dug Well Dug Well	209 225 "clay blue
	225 236 "sand fine
(6) CASING INSTALLED: If gravel packed	236 238 "clay blue
SINGLE DOUBLE Gage Or Diameter from to	238 240 "sand fime
From ft. to ft. Diam. Wall of Bore ft. ft.	240 252 "sand med. & fine
$\frac{-0}{16x1/4}$	252 260 "blue clay & med. sand
	260 269 "sand med.
	269 275 "clay blue 13
n n a a a a a a	275 279 "sand med & coarse
Type and size of shoe or well ring Size of gravel:	275 279
Describe joint	289 291 "sand stone & med sand 291 297 "clay blue
	291 297 "clay blue 297 302 "sand med. & fine
(7) PERFORATIONS:	302 310 walny blue
Type of perforator used, stand, louver	310 324 "sand med. & coarse
Size of perforations in., length, by in.	324 332 "clay blue
From ft. to ft. Perf. per row Rows per ft.	332 345 "sand med.
<u>" 240 " 450 " " " " " " " " " " " " " " " " " " "</u>	345 348 green clay
	348 351 clay blue
	351 359 clay blue
	359 371 sand coarse & med.
(8) CONSTRUCTION:	371 379 clay blue
Was a surface sanitary seal provided? ☐ Yes ☐ No To what depth ft.	379 398 sand fine & med.
Were any strata scaled against pollution? Yes No If yes, note depth of strata	398 410 clay blue 410 419 fine & med. sand
ILLERS KEPUKI	140 170
7078, Water Code) Nº 105157	1/32 1/31
NCY OF CALIFORNIA	continued
Other Well No	
(11) WELL LOG: Andy Wheat	WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Total depth 462 ft. Depth of completed well 450 ft.	37.3.in
Formation: Describe by color, character, size of material, and structure. ft.	NAME Dail Rhoads Well drilling (Person, firm, or corporation) (Typed or printed)
fr. to ft.	Address 570 E. Gail ave. Tulare, Calif. 93274
434 437 sand med.	Cal Chardy
437 440 clay 440 445 sand & clay	[Stayen]
440 445 sand & clay 445 462 clay blue. Bottom	[Signed]
247 " 402 " CTAY BIRG. BOLLOW No	License No. 303612 Dated 7/7 , 1977
Was electric log made of well? Yes No	·*·, .

ORIGINAL File with DWR

WATER WELL DRILLERS REPORT

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

Do Not Fill In
No. 30889

THE RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF WATER RESOURCES

						Other Web 1702 ==
(1) OW	NER:		,			(11) WELL LOG:
Name S	A / L	/FR		4 11/1		Total depth fr. Depth of completed well fr.
Address		<i>L</i> ., v		. / / // .	- 60	Total depth ft. Depth of completed well ft. Formation: Describe by color, character, size of material, and structure
\overline{Co}	rcor	(a.)		2/1	7	ft. to
		V OF W	ZELL:	1		16.00
County		7rc		Owner's numb	er, if any MITChell-	•
Township, Ra				RISE	-7225	
Distance from			7 7		24 and	100-114 Sand
14 m	. 1/	- AVE	1.12	0 7	31/2)-c Co-	114-130 Clay
(3) TY I	PE OF	WORK	(check):		130-148 5021
New Well		pening [ditioning [. Destroying [148-15W C/2V
If destructi						154-170 Sand
(4) PRO	DPOSE I	USE ((check)	;	(5) EQUIPMENT:	170 -180 CIZY
Domestic	: 🔲 Ind	ustrial 🗌	Munic	ipal 🗀	Rotary 💢	180 - 195 Saxla
Irrigation	ı 🛛 Tes	t Well 🗆] 0	ther 🔲	Cable 📋	195 - 200 C/2V
					Other	200-205 Same
(6) CAS	SING I	NSTALI	LED:	i		205-215- 8/21/2
STE	EL:	ОТНЕ	ER:	1	f gravel packed	215-230 500
SINGLE [JOUE	3LE 🗌			• ;	230-255 C/21
	1 1		Gage	Diameter	. i r	255-260 Sand
From	To		or	of	From ' ' To	266-270 6/21/
ft.	ft.	Diam.	Wall	Bore	ft. , ft.	270-277 Sahl Jucani 1050
<u></u>	440	140	P 1/4	26	0 440	277- 295- C/24 UNCONFINED
			'/_	1 1.		775-305 Sehrl
· ·			<u> </u>			305 - 315 C/24
Size of shoe or				Size of grav	rel:	315 - 335 Sand
Describe joint						335 - 340 C/all
(7) PER			OR SCI	EEN:	1	340 - 376 5041
Type of perfo	ration or nar	ne of screen		1	<u> </u>	376-390 6/24
E	,	.	Perf.	Rows	1	402 - 420 Cial
From ft.		t.	per row	per ft.	Size in. x in,	402 - 420 Ciar
$\overline{\Delta}$		00	3	1//	1/8:	420 - 424 Sanx
				 17	/ / / /	424 - 430 (10)
					,,	434 456 C/21X
						454 456 01245
					· · ·	406
(8) COI	NSTRU	CTION:	1	<u></u>	_ - '	CONFIDER
Was a surface				o ₽	To what depth ft.	Water Code Sec. 13/32
Were any strai				\	If yes, note depth of strata	Water Laue
From (7)	ft.	。 フロ	fr.		•	
From	ft.	to	ft.			Work started 19 , Completed 19
Method of seal	ling C	enn	te			WELL DRILLER'S STATEMENT:
(9) W A	TER L					This well was drilled under my jurisdiction and this report is true to the best
Depth at whi	ch water wa	s first fouad,	, if known		ft.	of my knowledge and belief.
Standing level	l before per	forating, if	known		ft. · ·	NAME 727)-16/12/1/11/14
Standing level			leveloping		fr. 34	(Person, firm, or corporation) (Typed or printed)
(10) W I	ELL TE	STS:		, _ <u>, , , , , , , , , , , , , , , , , ,</u>		Address 10130/ 18/ Corcord Cel
Was pump test	_	s 🗌 No	<u> </u>	yes, by whom	n?	
Yield: 200		l./min. with	80	ft, drawdo		[SIGNED]
Temperature o				al analysis ma		(#ell Driller)
Was electric le	og made of w	rell? Yes 🗌	No □	If yes,	attach copy	License No/44/90 Dated CT 20, 19/0

The fire

	NORTH	BOUNDARY O	F SECTION	·		in the second se
	* 2 ⁴ 			, -		
	NW 1/4		 - NE	14	ы	
			 - 		% MILE	
	i I		† 			Township 22 S N/S
			 			Range -23 E E/W
	 		! ! !			Section No
	sw ¼		 	½	H H	Tulare Co
				·	₩ %	
	1		! !	•		
	½ MILE		. ½ M	ILE	_	
A. Location Sketch :	n of well in se roads, railroads	ctionized areas. s, streams, or oth	er features a	as necessary.		
				• .		Ave 128
		NORTH		:		
					1,4	
	je	e 18				
	17/1	Tare C	Zourt	ty		FAMILI HEROLDI NAS
WEST	· ·	4		EA	ST	10.13
		. ,				
	•		ls.	<i>-</i>	 	
	,	1			.0	
		SOUTH		7	<i>₽</i> ,	A110 120
B. Location	of well in ar	eas not sectionizes, streams, or oth	ed.	In Magazone		AUC 100
Jetch I	distances.	o, streams, or ote	er rearmes a	es necessary.		

ORIGINAL File with DWR				WELL			[O]	N REPOR	Т	21/15	24	E1	19	TOT FILL IN
Page of											 I			1 1
Owner's Well No. Date Work Began				1211		4	JE	3715			 F	J	Щ.	.ONGITUDE
										, , i	-	· T .		
Local Permit Ag	gency			Permit	D :					 	<u> </u>	APN/TI	RS/OTH	<u> </u>
Permit No		FOLO		LOG ——	Date			»-		WELL	0 III V T			
							1	•		N				
ORIENTATION (∠)	ORIENTATION (∠) X VERTICAL HORIZONTAL ANGLE (SPECIFY)										V.	3H		
DEPTH FROM	DEPTH FROM							ailing-Address			160			
SURFACE	DESCRIPTION Describe material, grain size, color, etc.							ipton.C	a	<u> 2932:72</u>	• • •		ST	'ATE ZIP
Ft. to Ft.	 				olor, etc.	, , , ,	- T			WELL L				
0 11		3.C1			2 V \ (2)	; <u>~</u>								n Rd.64,
11 15		ne S			1 I	<u> </u>					-	outl	ı si	de of tul
15 25	<u>L.</u>	3.C1	a y	<u> </u>		Market To San San San San San San San San San San		ounty Tula:						
25 31	Coa	arse	_S,	and	man 1 h			N Book 201						
31 68	L.I	3.C1	a y		1/ 1	James March	To	winship _21	s_R	lange 24e	. Sectio	n <u> </u>	9	
68 72	Med	ર્⊒ Sa∶	nd	1110	<u>\ } </u>		La	titude		1 NORTH				MIN. ŠEÇ.
72 88	ĹŊ	3.C1	a y		Land Market		1	DEG.	MIN. ≏ant	SEC. ON SKETCH				
88 96	Fir	ie S	and	l(water)	1			- 1.00	 1	NORTH ———			- ⊤x^	CTIVITY(エ)ー NEW WELL
96 102		-ma	3 1	se Sand	((()		1							FICATION/REPAIR
102 108	The same	3.CL		1 1 6	11/2		1						""	
108 114	1 6 2 5	l Sa	200		and a		1						1	Deepen
114 / 16~	4 4 4	LAY		<u>a</u>	•		1							Other (Specify)
116 : 124		irse		7			1						·	
124 1/9-		3. C1:		<u> </u>			1						1	DESTROY (Describe Procedures and Meterial:
142 145	1 m	rse	_				┨.						l nr	<i>Under "GEOLOGIC LOG"</i> ANNED USE(S)
145 : 165							먑					AST	! I	(⊻)
		<u>awo</u>		_			- ≩					Щ	' -	MONITORING
165 168	1	arse					1						WATE	er Supply
168 173	1	own (_			┨							Domestic
173 185				se Sand			-							Public
185 190		own !		•			-							XX Irrigation
190 206				se Sand			-						1	Industrial
206 230		3.C1					1						_	"TEST WELL"
230 235	<u> B1</u> ı	<u>ie C</u>	lay	<u> </u>			1		_				_	CATHODIC PROTEC
	1						I_{l}	luștrate or Descri	ibe Dis	SOUTH ———— tance of Well fro	m Land	marks	1 _	TION OTHER (Specify)
	<u>i </u>						25	uch as Roads, Bui LEASE BE ACC	ldings,	Fences, Rivers, e	tc.			
<u> </u>	<u> </u>			<u></u> -										
1	<u> </u>							ILLING THOD <u>CA</u> I	BLE			FLUID .		
1	1	_					<u> </u>			EL & YIELD	OF C	COMP	LETE	D WELL
	<u> </u>							PTH OF STATIC TER LEVEL	8.6	(Ft.) & D	ATE ME	EASURE	_{ED} 1	2/29/95
ı i	↓ <u>L</u> .					•		TIMATED YIELD						ir
TOTAL DEPTH OF	BORING	235	(Fe	set)				ST LENGTH						
TOTAL DEPTH OF			•	•				May not be repre						,
										,	26 127.112	<i>,,,,,</i>		
DEPTH	BORE-			C	ASING(S))				DEPTH		ANNU	JLAR	MATERIAL
FROM SURFACE	HOLE _	TYPE (2			INTERNAL	0.1110		01.07.017	FF	ROM SURFACE			Ţ	YPE
	DIA.	SCREEN CON-	혈띭	MATERIAL/ GRADE	INTERNAL DIAMETER	GAUG OR WA		SLOT SIZE IF ANY	╟─		CE	BEN-		FILTER PACK
Ft. to Ft.	(4101103)	SCREEN CON-	릨긑	GRADE	(Inches)	THICKN	ESS	(Inches)	F	t. to Ft.		TONITE		(TYPE/SIZE)
0 228	14 3			Cal.Weld	14	10				0 ; 20	\mathbf{x}	 	 	i —
1 2 2 2 2 2 2	* - /		† †	5"x4"x14				<u> </u>		20	+ ^-			_
163 208		++	£	- .		ET 2	щО	₽	1	- 	1	\vdash		
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	 - 	++	+					 	\vdash		+	 	 	
ATTACI	HMENTS	<u> </u>	i		l	<u> </u>		CERTIFICA"	I <u>I</u>	JCTATEMEN	<u> </u>	<u> </u>	<u> —</u>	
Geologic		· /		I, the under	rsigned, ce	rtify that						st of m	y knov	vledge and belief.

ATTACHMENTS (∠)	CERTIFICATION STATEM	FNT	
Geologic Log Well Construction Diagram Geophysical Log(s) Soil/Water Chemical Analyses	I, the undersigned, certify that this report is complete and accurate NAME Roger L. Nation (PERSON, FRAM, OR CORPORATION) (TYPED OR PRINTED) 26521 South Mooney Blvd. Visalia	to the best of my kno	wledge and belief.
OtherATTACH ADDITIONAL INFORMATION. IF IT EXISTS.	ADDRESS Signed WELL-DRILLER ZALAPHORIZED REPRESENTATIVE GITY WELL-DRILLER ZALAPHORIZED REPRESENTATIVE		259884 C-57 LICENSE NUMBER

DWR 188 REV. 7-90

ORIGINAL

Notice of Intent No.

STATE OF CALIFORNIA

Do not fill in

THE RESOURCES AGENCY File with DWR

DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

No. 165525 State Well No. 2/29-29

Local Permit No. or Date	Other Well No.
(1) OWNER: Name ROBERT HARLEY	(10) WIELT TOO 000
727/ Arc 4//	(12) WELL LOG: Total depth 220 ft. Depth of completed well 220 ft.
TIT DITON CA	from ft. to ft. Formation (Describe by color, character, size or material)
••	A 05 T D 01
(2) LOCATION OF WELL (See instructions):	25 L.B.Clay
County TUDARE Owner's Well Number	25- 32 Cearsa Sand
Well address if different from above	32- 46 L.B.Clay
Township Range Section	46-53 Med Sand (water)
Distance from cities, roads, railroads, fences, etc. 1/2 ml. south of	53-54 Sort Clay
Ave 160 on Rd. 80,75' west side of roa	54- 62 Coarse Sand
north side of ditch blank.	62- 95\ L.B\Clay
	95- 98 Coarse Sand
(3) TYPE OF WORK:	98/2 100 Soft Clay
New Well X Deepening □	100 102 Coarse Sand
Reconstruction	400 1001 0 000 0
Reconditioning	104- 107 Corse/Sand
Horizontal Well	107- 133 D. R. Clay
Destruction (Describe	33- 157 Charse Sand
destruction materials and procedures in Item 121	157- 161 L.B.Sandy Clay
(4) PROPOSED USE?	161-183 Coarse Sand & Sandstones
Domestic	7 7 70
	173- 190 L.B. 61a
	190 194 Med Sand
Industrial	194-V220 L.B. Slay
Tes Well	7/1/V-
Stock	100-0100
Municipal	
WELL LOCATION SKETCH Other	· - 200
(5) EQUIPMENT: (6) GRAVEN PACK:	<u></u>
Rotary Reverse No Size	
Cable Air Dameter of bore	
Other Bucket Packed from to	
(7) CASING INSTALLED: (8) PERFORATIONS: MILLS	- 100/1FINED
Steel Plastic Concrete Type of perforation or size of screen	- "111,
From To Dia Gage of From To Slot	- 2017
ft. ft. Vall ft. Slot	- 1900/
0 184 14 10 132 1750 Vax3	- 1119
½x4x14" Steel Shoe	
(9) WELL SEAL:	
Was surface sanitary seal provided? Yes \(\text{No } \) No \(\text{T} \) If yes, to depth \(
Were strata sealed against pollution? Yes \(\square\) No \(\mathbf{X} \) Interval	
Method of sealing	40.40
(10) WATER LEVELS:	Well Driller's Statement:
Depth of first water, if known 50 ft.	This well was dillest under my jurisdiction and this report is true to the best of my
Standing level after well completion 44 ft.	knowledge and belief
(11) WELL TESTS:	SIGNED SIGNED SIGNED
Was well test made? Yes No □ If yes, by whom? N ation Type of test Pump □ Bailer □ Air lift Air lift O	NAME ROGER L. NATION
Depth to water at start of test 44 ft. At end of test 50 ft	NAME ROGER L. NATION (Person, firm, or corporation) (Typed or printed)
Discharge 250 gal/min after hours Water temperature	Address P.O. BOX 216
Chemical analysis made? Yes Now Now?	CityIVANHOE, CA. zip 93235
Was electric log made? Yes No W If yes, by whom?	License No. 259884 Date of this report 11/6/87

WATER WELL DRILLERS REPORT

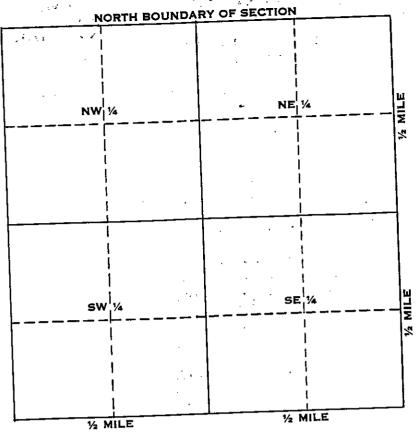
(Sections 7079, 7080, 7081, 7082, Water Code)

Do Not Fill In N^{o} 30891

THE RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF WATER RESOURCES

State Well No..... Other Well No. 225/23 E-/5

(1) OWNER: Name Bos Well Co Address 7/0 Bain um Club Formation: Describe by color, character, size of material, and structure (2) LOCATION OF WELL: County Tulare Owner's number, if any	
Name Bos Well Co Address 7/0 Bainum Cul Formation: Describe by color, character, size of material, and structure (2) LOCATION OF WELL:	
Address 7/0 Bainum and structure (2) LOCATION OF WELL:	ft.
(2) LOCATION OF WELL:	
(2) LOCATION OF WELL:	ft.
County 17, 12 te. Owner's number, if any 160 - 17, 18, 21/	
Township, Range, and Section Sec. 15 - 7225- 123 E 171 - 179 Sand	
Distance from cities, roads, railroads, etc. 804 Not AUC 120 179 _ 184 C/21/	
and 1/2 miles E of Hiway 43 184-200 Sind	
(3) TYPE OF WORK (check): 200 - 217 C/21/	
New Well Deepening Reconditioning Destroying Destroying 2/2 - 217 Sand	
If destruction, describe material and procedure in Item 11.	
(4) PROPOSED USE (check): (5) EQUIPMENT: 226 - 234 5276	
Domestic M Industrial Municipal Rotary A 234 - 239 Clay	
Irrigation Test Well Other Cable	
Other 245 - 261 C/21	
(6) CASING INSTALLED: 261 2-266 Sand	
STEEL: OTHER: If gravel packed 266 277 E/21)	
SINGLE DOUBLE 277 - 298 5226	
Gage Diameter 278 - 314 C/24	
From To or of From To 3/4 >2212 Solution ft. ft. ft. 324 Solution ft.	
324 - 328 6749	
0 430 1410 14 26 0 420 328 - 340 Sand	
340 - 348 (10)	
Size of shoe or well ring: Size of gravel: 348-352 348 372-355 C/24	
Describe joint 355 - 368 Some	
(7) PERFORATIONS OR SCREEN: 368-398 C/21/	
Type of perforation or name of screen 398 - 407 Sand	
Perf. Rows #07 - 4/2 C/2V	
From To per per Size 14/2 - 1424 82.41	
ft. ft. row ft. in. x in.	
240 420 4 12 1/8 1:00-	
11.1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	
VICTOR FIRES	
ONFIDENTIAL TO STATE OF THE PROPERTY OF THE PR	
CONFIDENTIAL CONFIDENTIAL	
(8) CONSTRUCTION: Water Code	
(8) CONSTRUCTION: Water Code Water Code Water Code Water Code Water Code To what depth ft.	
(8) CONSTRUCTION: Was a surface sanitary seal provided? Yes No To what depth ft. Were any strata sealed against pollution? Yes No I If yes, note depth of strata	
(8) CONSTRUCTION: Was a surface sanitary seal provided? Yes No To what depth ft. Were any strata sealed against pollution? Yes No If yes, note depth of strata From O ft. to 50 ft.	
(8) CONSTRUCTION: Water Code	:
(8) CONSTRUCTION: Was a surface sanitary seal provided? Yes No To what depth ft. Were any strata sealed against pollution? Yes No If yes, note depth of strata From ft. to 50 ft. From ft. to ft. Wethod of sealing Completed 19 Completed 19 WELL DRILLER'S STATEMENT:	e to the best
(8) CONSTRUCTION: Water Code	e to the best
(8) CONSTRUCTION: Was a surface sanitary seal provided? Yes No To what depth ft. Were any strata sealed against pollution? Yes No ft. From ft. to 50 ft. Wethod of sealing Completed 19 Completed 19 Wethod of sealing Completed 19 Well Driller's STATEMENT: This well was drilled under my jurisdiction and this report is trace of my knowledge and belief.	te to the best
(8) CONSTRUCTION: Was a surface sanitary seal provided? Yes No To what depth ft. Were any strata sealed against pollution? Yes No If yes, note depth of strata From ft. to 50 ft. From ft. to ft. Well DRILLER'S STATEMENT: (9) WATER LEVELS: Depth at which water was first found, if known ft.	te to the best
(8) CONSTRUCTION: Was a surface sanitary seal provided? Yes No To what depth ft. Were any strata sealed against pollution? Yes No If yes, note depth of strata From ft. to 50 ft. From ft. to ft. Well Driller's STATEMENT: This well was drilled under my jurisdiction and this report is trace of my knowledge and belief. Standing level before perforating, if known ft. NAME FRY WELL DRILLER'S TOWN AND TO	ie to the best
(8) CONSTRUCTION: Was a surface sanitary seal provided? Yes No To what depth ft. Were any strata sealed against pollution? Yes No If yes, note depth of strata From ft. to 50 ft. From ft., to it. Work started 19 Completed 19 Method of sealing Cemete Well Driller's STATEMENT: (9) WATER LEVELS: Depth at which water was first found, if known ft. Standing level before perforating, if known ft. Standing level after perforating and developing ft. NAME FRY WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true of my knowledge and belief. NAME FRY WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true of my knowledge and belief. NAME FRY WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true of my knowledge and belief. NAME FRY WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true of my knowledge and belief. NAME FRY WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true of my knowledge and belief. NAME FRY WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true of my knowledge and belief. NAME FRY WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true of my knowledge and belief. NAME FRY WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true of my knowledge and belief.	ie to the best
(8) CONSTRUCTION: Was a surface sanitary seal provided? Yes No To what depth ft. Were any strata sealed against pollution? Yes No If yes, note depth of strata From ft. to 50 ft. From ft. to 50 ft. Well Driller's STATEMENT: This well was drilled under my jurisdiction and this report is true of my knowledge and belief. Standing level before perforating, if known ft. Standing level after perforating and developing ft. (10) WELL TESTS: Was pump test made? Yes No If yes, by whom? W/SON	ie to the best 1219 201 Ca
(8) CONSTRUCTION: Was a surface sanitary seal provided? Yes \ No \ To what depth ft. Were any strata sealed against pollution? Yes \ No \ If yes, note depth of strata From ft. to 50 ft. From ft. to it. Work started 19 Completed 19 Well Driller's STATEMENT: This well was drilled under my jurisdiction and this report is tried for my knowledge and belief. Standing level before perforating, if known ft. Standing level after perforating and developing ft. (10) WELL TESTS: Was pump test made? Yes \ No \ If yes, by whom? Wisson	ie to the best 121 P
(8) CONSTRUCTION: Was a surface sanitary seal provided? Yes \(\) No \(\) To what depth ft. Were any strata sealed against pollution? Yes \(\) No \(\) If yes, note depth of strata From ft. to ft. From ft. to ft. Werk started 19 Completed 19 WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true of my knowledge and belief. Standing level before perforating, if known ft. Standing level after perforating and developing ft. (10) WELL TESTS: Was pump test made? Yes \(\) No \(\) If yes, by whom? \(\) His one is the dead of the sealing for the dead of the sealing for the dead of the sealing for the dead of the sealing for the dead of the sealing for the dead of the sealing for the dead of the sealing for the dead of the sealing for the dead of the sealing for the dead of the sealing for the dead of the sealing for the dead of the sealing for the depth of strata for the sealing for the depth of strata for the depth of strata for the sealing for the depth of strata for the sealing for the depth of strata for the sealing for the depth of strata for the sealing for the depth of strata for the sealing for	te to the bes

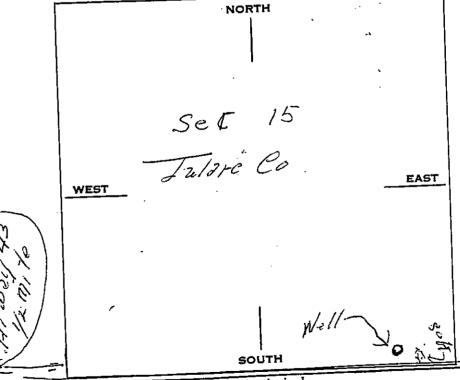


Township 22 S N/S

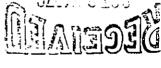
Range 23 E E/W

Section No. 15

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



TOILISH MINDYOF NOT



Ave 120

B. Location of well in areas not sectionized.

Sketch roads, railroads, streams, or other features as necessary.

Indicate distances.

22/24-64 WATER WELL DRILLERS REPORT

ORIGINAL File with DWR

Do Not Fill In

 N_0 23071

Other Well No. A RE / 24/6 ...

THE RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF WATER RESOURCES

(1) OWNER:							(11) WELL LOG:				
Name /		-/,*	5 T	Dane.	4		Total depth ft. Depth of completed well ft.				
Address	1- 130	1/ 20	51-7	IDEGT	1 (2)	,	Formation: Describe by color, character, size of material, and structure				
	1 - 400	<u> </u>		<u> </u>	┸		100 -111 . Clay ft. to ft.				
(2) LOC.	ATION C	F W	ELL:			,	111-123 SAND				
	v/are	· • · · ·		wner's number,	if any	LI	123-135 C./a.				
	ge, and Section	< /	. ~ /	P 241		2.8	135-141 SANA				
	cities, roads, rail:	<u> </u>	. 1/2	my /1	5'w		141-144 C/ay				
AVE 1	44 J	PD	73	INTE	RSECT	مادرع	144-148 SAND				
	E OF WC	RK	(chech)		· <u> </u>		148-170 Clay,				
	Deepenis			ditioning [Destroyin	г П	170 - 171 SAND C.				
						. U	177 - 188 Clay				
1f destruction, describe material and procedure in Item 11. (4) PROPOSED USE (check): (5) EQUIPMENT:						PMENT:	188 - 194 SAND C.				
Domestic Industrial Municipal Rotary							194 - 219 Clay				
Irrigation Z Test Well Other Cable						الحا	219 - 228 Spiral C.				
irrigation	i rest ₩	CII [Other	·	220 - 253 C/a/				
(4) (0)	TATO TATO	r' A T T	777.				233-238 SAND C-				
(6) CASING INSTALLED:						ked					
STEEL: OTHER: If gravel packed						KCG	238 - 251 Clay				
SINGLE [DOUBLE	□ .—					251-254 SAND				
1	1		Gage	Diameter	1		254-256 664				
From	To D	••	or Wall	of	From ft.	To ft.	256-258 SAND				
ft.	IE. L	iam.	Wait	Bore	_		258-26/ Cay				
0	466 1	6	14		10	460					
				·			375-184 C/91/				
<u>l</u>			<u></u>				284-293 SAND C.				
Size of shoe or	well ring:			Size of grave	l:		293-304 Clay				
Describe joint	· · · · · · · · · · · · · · · · · · ·						304-308 SAND C.				
(7) PER	FORATIO	NS C	OR SCF	REEN:			308-310 Clay				
Type of perfor	ation or name of	screen			· · · · · · · · · · · · · · · · · · ·		310-316 SANT M.+1-				
			Perf.	Rows			316-324 Clay				
From	То		per	per	I .	Size	324-330 SAND				
ft.	ft.		row	ft.		. x in.	330-334 Clay				
160	1360	3	<u> 2-14</u>	2	1/8		334-3340 SAND				
							340 - 345 Clay				
<u></u>							345 - 360 SANDE.				
				<u> </u>							
(8) CON	ISTRUCT	ION:					CONFIDENTIAL				
Wan a surface	sanitary seal pro-	vided?	Yes 🔲 N	lo 🗆 T	o what depth	ft.	Water Code Sec. 7080				
Were any strat	a sealed against p	sollution	Yes 🗌	No 🕅	If yes, note	depth of strata					
From	ft. to		ft.								
From	ft. to		ft.				Work started 19 , Completed 19				
Method of seal	ling						WELL DRILLER'S STATEMENT:				
(9) WA	TER LEV	ELS:					This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.				
` '	ch water was fir		, if known		ſŧ.		11/ // A ///				
Standing level	before perfora	ting, if	known		ft.		NAME (E)-17/5 (ME//))-1/1/19				
Standing level	after perforation	ng and c	leveloping		ft.	10	(Person, firm, or corporation) (Typed or printed)				
(10) WI	ELL TEST	'S:			· · · · · · · · · · · · · · · · · · ·		Address 2125 (122 Dotsten				
• •	t made? Yes 🗔) 77 1	if yes, by whom	7		Corcora				
Yield: /L	. A A	in. with	50			hrs.	[Signed]				
Temperature o	*		Was a chemi	cal analysis mad		No 🗆	(Well Driller)				
	og made of well?				strach copy		License No. 140990 Dated Col 3 , 1960				
· · · · · · · · · · · · · · · · · · ·				(
				CVE	TOULOG	ATION OF	WELL ON REVERSE SIDE				

EP-5

PROPERTY LOCATED I MILE EAST OF PORTERVILLE

Date drilling completed Oct. 17th. 1934:

Depth of well 154 ft.

Depth of caseing 154 ft.

Water level 60 ft.

Its ft. Of It gage I2 inch single collar hard red steel gaseing

I/2 X 8 shoe

Depth perforated 60 to IH ft.

Penetration record

From	To	Type of formation
68	II9	Coarse
II9	I3 <i>5</i>	Clay, Rocky
I35	152·	Sand and Bolders
152	IS:	Black Rock

Driller; Hickman

Dates: Started: //-14-87

Completed: 11-23-87

MYERS BROTHERS, Inc.

Reverse Circulation Rotary Gravel Pack Well Log 8650 E. Lacey Blvd. — Hanford, California — Phone 582-9031

	Drillor Ve	nmERS
CUSTOMER CITY OF PORTERVILLE CITY-21	Well No. Z	H21
ADDRESS	lndustrial	· 📮
WELL LOCATION CORNER OF HARRISON & HOCK CTT STS.	Domestic	
PORTER VILLE TULBRE CO.	Irrigation	
	Other	

STRATA INFORMATION

DIMITA IN OMNAII	O N .
BROWN ELIAY	Ft. 0 to Ft. 7
	Ft. 7 to Ft. 16
ROCKS & GRAVEL	Ft. 16 to Ft. 31
SAND, STRINGERS BROWN CLAY	Ft. 31 to Ft. 44
BROWN CLOY	Fl. 44 to Ft. 72
RED CLAY	Fl. 72 to Fl. 161
BROWN CLAY	Fl. 101 to Fl. 130
COARSE SAND	Ft. 130 to Ft. 137
BROWN CLAY	
SAND	
BROWN CLAY	Ft. 150 to Ft. 152
SAND	
Rocks	Ft. 161 to Ft. 165
	Ft. 165 to Ft. 168
ROCKS & SAND	Ft. 168 to Ft. 174
SAND, SMALL STRINGERS BR. CLAY	Ft. 174 to Ft. 187
BROWN CLAY	Ft. 187 to Ft. 315
BR. CLDY & SAND STRINGERS	Fi. 215 to Fi. 217
5000	Fi. 217 to Fi. 221
BROWN CLAY	Ft. 221 to Ft. 225
HARD BR. CLAY, ROCK STRINGERS	Ft. 225 to Ft. 257
HARD BLUE ROCK	Ft. 257 to Ft. 356
MED. HARD BROWN KOCK	Fl. 250 to Fl. 363
HARD GREEN ROCK	Ft. 263 to Ft. 260
	Ft. to Ft.
	Ft to Ft
	Ft to Ft
	Ft to Ft

	•	
	TYPE O	F WORK
1.	Hole Size	55/6
2.	Casing Dia.	
3.	Casing Thickness	
4.	Blank Casir	1g
5.	Perforation	
5.	Type of Perforation	
7.	Depth	280
8.	Gravel Tong	
9.	Gravel size	
	EXT	RAS
I.	Holė Size	
2.	Conductor Pipe Size	
3.	Depth	<u></u>
4.	Cement	Yds
•	marks:	
	_	S. AMPLES
	•	ERS1845
	•	143 4 179-184
-	ILLED HOLE	
	ATTINGS, 26	
	•	CS BENTONITE
	ola PLAG	
1-47 NO	BENTEN	MENT &

U.S. DEPARTIBLE OF THE INTERCOLUMN PROPERTY OF THE INTERCO

County	Tular	Q	Owner was the second of the se
Dist.			Spreal tto 5
grad.	Ducor		
Location	Park Maria	23 <u>-27-3</u> ((2.01=0.996 State 2.012 State 2
Surf.Ele			
Depth	***************************************	177.0	Groundwater Flav
Yield	t de l'Argaja de La comita de mili	172.5	Groundwater play.
Drawdown		e Martin (1995) er en en 1967. La participa de la participa d	Aquifors Artosasp Heed
		20 61 94	"我们,一个女子,我们就没有一个人,我们就没有一个人的人,我们就是一个人的人,我们就没有一个人的人,我们就没有一个人的人,我们就会没有一个人的人,我们就会没有一
Source of		from 26	
Depth.		Thick !	Dectribution.
يا ديو	171	30	Chocolate brown elightly calcareous silty loam with 15% scat
	120		angular sand grains to 3mm, relatively impermeable.
2	469	4.5	Brown ill-sorted calcareous sandy clay loam; sand angular
	manda managan dan	* * *	arkosic ranging to lamm, streaks of white calcareous material
	161.5		Low parmeability.
		3.5	Reddish-brown ill-sorted subangular Triable arkosic sandy
ALEXANDER STATE	Resident April 1984		loam; sand, a v. O.limm, max. 3mm; 20% red silt and clay
	161	Service of the servic	metrix, low perm
Brankla 100 A			Reddish-brown loose to Cristle ill-sorted subangular arkosic
er Avec read (2000) vo Talian salis salis salis salis			comme sand, ave 0.5mm, max. 5mm, with much silty material,
17 3	11577.5		grains alightly coated with red clay, perm.
			Tan firm fairly well sorked, sitly clay loam, areas of white
30	L52.	6.8	Calcargous malerial, manganese stains, rel. imperm.
			Tan Tirm, ill-sorted; subangular arkosic coarse sand, av.
25.8	1.1.5	2 2	0.5mm, max. lumm, 20% effit and olay matrix, rel. perm.
			Tan friable fairly well sorted, silty loam with 5% sand,
		1	manganese stains. Top 6" red plastic impermeable clay, low
		Leading April Color and	permeability.
Walter In	443		Tan friable to loose well sorted arkosic sandy silt; sand,
			av. 0.1 mm, max. 0.5mm, marics 5%, prominent biotite flakes
26 E	1.21.	15.0	to 0.5mil religions in
·~			Loose subangular poorly sorted arkosic coarse gratel; av. 3mm, max. 15mm, occasionally 50 mm; grading down to fine
		1	sand, some scattered lenses with micaceous silt and fine
			sand as matrix, predominently granitic materials also fine-
51.51	119.5	3	grained basies, very perm. Loose subangular - subround cobbles; min 20mm, max. 40mm,
C 16.	<u>. </u>		composition as above, matrix of coarse sand largely lost
		,	in drilling, very perm.
<u> </u>	1116	3.5	Coarse gravel as 36.5 - 51.5
58	1:13	10	Tan firm fairly well sorted, silty loam, 10% sand ranging
			to max. of O. imm, clay filled tubular openings, mafics 5%
			biotite prominent. low permeability.
_68	ــــــــــــــــــــــــــــــــــــــ	6.2	Tan loose angular well sorted fine sand, av. 0.2
71.2	20/ (2 0 4	mm. max. 1mm. 10% allt, merics 5%, perm.
- 	396.8	8.3	Reddish-brown clay with many fractues fine tubular openeings
		·	and manganase stains, rel imperm.
1	* 		

23/27-U.S. DEFARTIMENT OF THE THURSDE

SURVAU OF RECLAMATION - REGION II

onuth	Tulare	Self file Tax	Comte :	U.S.B.R. No. 23 27-3
et.			rang Vas e francisco de la respectación	Local To. Saucelita 5
ād.	Ducor	<u> </u>		Date 11.10.17
cation		23-27-3	(OMO) (MOCK)	6.7
rf.Elev			Groundwater Elev.	Date
pth			Groundwater Elev.	Date
eld		-	Aquifers	
and own	-		Artesian head	Date
sing _	विकित्र व		% Sand-Grave	
ource of	ેલકદઘ 🐣	-	Type drill 1	Diam. hole
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enth (Elev. T	hick	Description	error de procesión de la companya de la companya de la companya de la companya de la companya de la companya d Companya de la companya de la compa
32.5	388.5	5.	Tan firm fairly well sorted wic	to make an allow managements are considered to the first termination of the first termination and the first termination an
	Att the second		ranging to lam, low permeabilit	
87.5	383.5.8	3.5	Tan firm fairly well sorted sil	ty loam: 10% sand chiefly o
		i e gerîgereyî ana e a e ge arganî	ranging to 0.5mm, many fine tub	
			stains, rel. imperm.	man time a sun time man and man and and a sun and a sun a sun a sun a sun a sun a sun a sun a sun a sun a sun a
X	375	13.5	Tan firm clay with 30% scattere	d sand & pebbles arkosic
是文文等。 1	等级流出		ranging to 7mm, tubular opening	
			imperm	Committee of the commit
90	372	3	Tan firm poorly sorted sandy si	It and annilar arkonic
			ranging to max, of 2mm, tubular	
1.	SO AMORA .		Low perm.	obetities that wood a comist
102	369	8.5	Tan firm silty loam, as 85.7 -	
110.5	360_5	A	The state of the s	
			Ten loose fairly well sorted, s	
			av. O.5mm, max. 3mm, pebble 15	mm, 15% Silt & Clay decompo
770 6	- CO - C		tion product matrix, relatively	Dermer of 6.
TTD	352.5	4.0		
122.5	31.8.5		to lmm, slickensides, manganese	Stains, ref. imperm.
122.5	الأماناللـ	9.5	Tan firm sitly loam, as 87.5 -	90 With thin streaks, ci wh
			clay, rel imperm.	and the second section of the same on the same section in the section of the sect
132	139	ـ حداد	Ten firm clay loam; 30% sand su	ibangular arkosic, to max, o
			2mm, Tubular openings, manganes	e stains, rel. impo m.
139.5	331. .5 5.		Brown friable ill-sorted arkosi	
			C. 2mm, max. 3mm, many tubular o	penings, low perm.
141			_Reddish-brown.clay_as_118.51	22_5
	_326		Tin silty loam as 87.5 _ 96	anda di minunua an angan at an anama y anganang at may u umu - y na digan. 👉 y - y - di - diaga diga - y - y may
148	-323	5	.Tan firm clay with many fractur	
			many thir seams of white clay,	10% scattered angular send
360			grains to 0.5mm, relatively imp	ermaable
	XXXXXX	XYXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX CONTRACTOR OF THE CONTRA	KXXXXXXXXXXXX
	318	_3.3	Tan silty loam as 87.5 - 96	ب جاری و در درسید میچونیس امپریسیدن درست منبست برای سید میخوانسداست میشان میشان با در در درستان است.
120.3.	311.7	_1.7	Tan frieble angular poorly sort	ed arkosic medium sandy loa
			303 silt and clay matrix relati	vely permeable.
158	_313		Ton firm silty loam: 5% sand or	ains criefly quartz to
	40		0.2 mm, small openings, mangane	se stains, low perm.
			В попроводительной саментых на нападательностичности посторожной наражений посторожного посторожного проставлен В попроводительной саментых на нападательности посторожного посторожного посторожного посторожного посторожного	
			and the state of the same distribution of the same distribution of the same of	e des descriptions de ses par managadades : que s'ence a handa a ganz dispos de la primisión de la gran de la gran

23/27-301

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U.S.DEFART WHI OF THE INTERIOR - BURBAU OF RECLAMATION - REGION II

County	Talare	e e e e	Owne			U.S.B	.R. No.	23-27-3
Dist.			Use	THE ROLL .		Local		Saucelito 5
રિપલતે.	Ducor			ler .		Date	11-10	0-117
Locatio	n <u>23-27.</u>	-3 (0.0)	-0.995) 5	3' E & 22.5	's of NW	Cor. S 3.	T 23 R	27
Surf.El	ev.		Groundwa	tor Elev.		Date		
Depth				ter Elev.		Date	1 2 VIII 2 2 VIII	
Yield _			Aquifors			alin di		10 2 3 5 6 10 1 MV
prawdow	n		Artesian	hoed		Date		
Casing					Sand-Ora	Ael.		
Source	of date		Ту	pe drill j		Diam.	hole	
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ار بالم الكات	310	4.2	Reddish-	brom firm 10% angular	clay with	many frac	ures &	nanganese
			AGLA DLO	minent re	latively	impermeable	MUTCE	(o Lospars
165.2	305.3	2.7		Y loam as 8				
. 1679	393.1	4.6	Tan loos	e sulte de l	airly wel	l sorted as	kosic c	parse sand
			_av_0.6m	n, cex. 3m	i. 15% mhi	te silty c	lay deo	omposition '
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1, 				HE STATE OF THE SECOND		J. J. Jan. S. Barre		Aug. Trans.

STATE OF CALIFORNIA THE RESOURCES AGENCY

Do not fill in

DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

No. 258421 State Well No. 22/27- 4

Notice of Intent No.	State Well No.
Local Permit No. or Date	Other Well No.
(1) OWNER: Name Dess Blasingame, Address 22156 Ave 152	(12) WELL LOG: Total depth 156 ft. Completed depth 456 ft. ft. ft. ft. Formation (Describe by color, character, size or material)
City Porterville, Ca. ZIP 93257	
,	
(2) LOCATION OF WELL (See instructions): County Tulage Owner's Well Number	3 - 32 SANG Cles.
Well address if different from above 22511 Ave 144	32 - 44 Sand
Township 33 Range 376 Section 4	44 - 84 rock, gravel, comples
Distance from cities, roads, railroads, fences, etc. Copport makely	84 - 104 Sando clay
2 miles southest a Riterile to inter	104 - 140 joint clay.
Section of Ave 144 + Pet 224 10 South-	140-150 MANDER.
east comes of intersection approx 250 pet s. E. q. i	20150 - 156 Bree 1 + joint Clay,
(3) TYPE OF WORK:	- / // /
New Well & Deepening	- \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
Reconstruction	- / \
Reconditioning	
Horizontal Well	
Destruction ☐ (Describe	<u> </u>
destruction materials and pro- cedures in Item 12)	[7]
(4) PROPOSED USE:	V - (C) (V)
Domestic	- 100
Irrigation	
Industrial Test Well	()-\(\sigma\)
Municipal	
Other	/// - S(()0
WELL LOCATION SKETCH (Departibe)	<u> </u>
(5) EQUIPMENT: (6) GRAVEL RACK:	
Rotary Reverse No Size	
Cable 🔼 Air 🗌 Giameter of bore	
Other D Bucket Racked from	
(7) CASING INSTALLED: (8) PERFORATIONS	- AITSIDI ARFA
Steel Plastic Concrete Type of partoration or size of screen	- 100, 44 1110
	- 0/1/4
From To Dia Gage or From To Slot ft. ft. Wall tt. size	
0 11/1 6/ 10 10/1 0/10 1/10/1	
0 170-8 12 104 1/42 1814	_
(9) WELL SEAL:	-
Was surface sanitary seal provided? Yes ☐ No 🗷 If yes, to depthft	-
Were strata sealed against pollution? Yes 🗌 No 😾 Intervalft	-
Method of sealing	Work started 3 - 34 19 88 Completed 3 - 3/ 19 88
(10) WATER LEVELS:	WELL DRILLER'S STATEMENT:
Depth of first water, if knownft	This well was drilled under my jurisdiction and this report is true to the
Standing level after well completion	best of my knowledge and belief.
(11) WELL TESTS:	Signed Marker Latt
Was well test made? Yes No If yes, by whom? Left Drilling, Type of test Pump Bailer Air lift	(Well Driller)
Depth to water at start of testft. At end of testft	(Person, firm, or corporation) (Typed or printed)
Discharge gal/min after hours Water temperature	Address 1593 Joyce Cock
Chemical analysis made? Yes No 🔀 If yes, by whom?	City Tulage C. ZIP 93274 License No. 398407 Date of this report 4-8-88
Was electric log made Yes 🗌 No 🔼 If yes, attach copy to this report	License No. 398407 Date of this report 4-8-88

22/26-17A/ 22/26-17A/

Forming will 6

245 Heli

70 ft. 16" Caseing
155 ft. 12".

... BOLSEY DORTABLE MICHOELLAST

*The free A	dobe Read	der may	/ be u	sed to view a	and complete	this form. I	lowever, s	oftware mu	st be purchase	d to comple	ete, save, a	nd reuse	a saved f	orm.	
File Origin	al with D	WR						te of Califo		F		DW	R Use On	ly – Do I	Not Fill In
Page 1		of		3		We			on Repo	rt	211	13/2	1716		36
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Permit Nu					Permit Da	te 11/1/0)7						APN/T	RS/Oth	er
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	rom Sur					ription				ddress P					02259
Feet					ribe material,				City FO	KIEKVIL	LE		Sta	te <u>CA</u>	Zip <u>93258</u>
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50	55				O COARS	E GRAIN	IS		City <u>PO</u>	RTERVIL	<u>LE</u>		Co	unty <u>Tt</u>	ulare
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100	115	1	COB	BLE					Township	o <u>21S</u>	Range	<u>27E</u>		Section	
115	138	1	BRO	WN SILT	Y CLAY, F	NE TO C	COARSE				on Sket				Activity
		_	GRA						(Sketch n	nust be drawn	by hand after North	er form is p	rinted.)		ew Well
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					J					first water	<u>55</u>			(Fee	et below surface)
									Depth to	Static evel <u>29</u>		(Fee	t) Date	Measu	red <u>11/9/07</u>
Total D	epth of B	orina		138			Feet			d Yield *	24 7	· · · · ·			Sub. pump
I	•	_		~~~~~						igth 34		— (Hou	rs) Tota	Drawd	lown 110_ (Feet)
Total D	epth of C	omplet	ted W	/ell <u>138</u>			_ Feet			t be repres					
					Cas	nae					T T		Annul		
Denti	n from	Boreh	ole	-			Wall	Outside	Screen	Slot Size	Depth	from	-uniu	w. 1110	
Sur	face	Diame	ter	Type	Mate	^{rial} 1	Thickness	Diameter	Туре	if Any	Sur	face	Fi	H	Description
	lo Feet	(Inche		OL ANIZ	lnvc		(Inches) SDR17	(Inches)	I	(Inches)	Feet 1	Feet 50	CEMEN	т	GROUT
0 58	58 138	12.25 12.25		BLANK BCREEN	PVC		SDR17		MILLED SLO	0.033	50	138	GRAVE		3/8" ROCK
130	130	14.40	<u> </u>	JONEEN	1, 40		ODICIT		MILLED GLO	0.002	135	100	SILVE	-	0,0 1000
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		Attac	hme	ents		<u> </u>				Certificat			. 41		. lan a colla deservición
	Geologic					I, the und	cersigned	i, certify th	at this report TESTING	ris comple LABS II	ite and ac NC:	curate to	o ine bes	st of my	knowledge and belief
	Well Con			agram			Person, f	im or Corpo	ration 1			. –		```	20057
	Geophys			Analyses		603 E.		HAVENU Address	JE//	POF	RTERVIL City			tate	93257 Zip
	Other LO					Signed		ALL STATES	1		City	11-19-		54454	
	ditional inform					يك ت	C-57 Lice	ensed Water	Vel Contractor			Date Si			cense Number
	DEV 1/2006					IE ADDITIO	NIAL CDAC	LIC NEEDED	WICE NEXT CO	NISECLITIVE	VALIMBER	ED EODM			

ORIGINAL

File with DWR

Notice of Intent No ._.

W.

Local Permit No. or Date_____

STATE OF CALIFORNIA

THE RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

Do not fill in

No. 085866
State Well No. 2/27 - 24
Other Well No. _____

	Other Well No.
(1) OWNER: Name DENNIS & TYNES	(12) WELL LOG: Total depth 152 ft. Depth of completed well 152ft.
Address_ 1181 W. PUTNUM	from ft. to ft. Formation (Describe by color, character, size or material)
City PORTERVILLE, CALIF. Zip 93257	0 - 3 TOP SOIL
	3 - 74 RED CIAY
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
Well address if different from above	76 - 82 GREY ROOK
Township Range Section	82 - 108 GREY CLAY
Distance from cities, roads, milroads, fences, etc. 150 FT. EAST OF	108 - 112 GREY ROCK
648 A EAST HENDERSON, PORTERVILLE	112 - 118 GREX SLAY
	118 - 128\ GREX\ROCK
N	128 - 142 GREY CLAY
(3) TYPE OF WORK:	
New Well 🛣 Deepening 🗇	1/12/152 1X8" to \(\frac{1}{2} \) ROCK
(1.0.5)	
	- 6
B Horizontal Well Destruction (Describe	1111 - (12)
destruction materials and	
procedures in Item 12	
WELL (4) PROPOSED USES HOUSE K150'X Domestic	- (1)
HOUSE K150'X Domestic	
SITE Irrigation	1-1 00
Industrial	
Test Well	(d) n
19) HENDEDS ON AREA	
3.00	
Municipal	
WELL LOCATION SKETCH Other	<u> </u>
(5) EQUIPMENT: (6) GRAVED PACK:	⊘ ,-
Rotary Reverse No Size	
Cable Air Dispeter of bore	
Other Bucket Rocket from	(1)
(7) CASING INSTALLED: (8) PERFORAPTONS: FACTORY	ODE MAKE
Steel K Plastic Concrete Type of perference or screen	OHI SIDE VOICE
From To Dia. Gage of From To Sich	CLAY AND
	- OH' ()
0 152 12 10 124 148 148	-
(9) WELL SEAL: PUMP CO. PROVIDE	iS _
Was surface sanitary seal provided? Yes I No I If yes, to depth ft.	-
Were strata sealed against pollution? Yes 🗋 No 🛣 Intervalft.	-
Method of sealing	Work started 6-1 19 79 Completed 6-11 19 79
(10) WATER LEVELS:	WELL DRILLER'S STATEMENT:
Depth of first water, if known 76 ft.	This well was drilled under the handstrian and the Asternation
Standing level after well completion 56 ft.	knowleage and ballot.
(11) WELL TESTS:	SIGNETURE CHARLEBER RIG #1
Was well test made? Yes ☐ No ₩ If yes, by whom? Type of test Pump ☐ No ₩ Bailer ☐ Air lift ☐	(Well Driller) NAME_STAR WELL: DRILLING
Depth to water at start of testft. At end of testft	
Dischargegal/min_afterhours Water temperature	Address 14583 AVE • 3014 RT •#1
	City VISALIA, CALIF. Zip 93277
Chemical analysis made? Yes No X If yes, by whom? Was electric log made? Yes No X If yes, attach copy to this report	License No. #373338 Date of this report 6-19-79

IF ADDITIONAL SPACE IS NEEDED. USE NEXT CONSECUTIVELY NUMBERED FORM

DUPLICATE File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

LOCATION NOT CHECKED

55087 State Well No.

CONTROL BOARD No STATE OF C	CALIFORNIA 1889 Other Well No.
(1) OWNER: U. S. Geological Survey	(11) WELL LOG: DAGE / OF 7
Address 2520 Marconi Ave.	Formation: Describe by color, character, size of material, and structure. Oft. 16 ft. Sand
Sacramento 21, Calif.	6 16 Sandy Clay
(A) TOCAMICAL OF MILIT	16 33 Coerse Sand
(2) LOCATION OF WELL:	33 40 Brown Sandy Clay
County Tulere Owner's number, if any-	40 43 Brown Hardpan
R. F. D. or Street No.	43 57 Brown Clay
650 West of Southern Pacific R.R.	57 58 Medium Coarse Sand
near 99 Hwy	58 59 Clay
470 North of Avenue 72	59 64 Medium Coarse Sand
	64 72 Hard Clay
(3) TYPE OF WORK (check):	72 "75 Coarse Sand
New well Deepening Reconditioning Abandon	75 80 Brown Sandy Clay
If abandonment, describe material and procedure in Item 11.	80 84 Coarse Sand
(4) PROPOSED USE (check): (5) EQUIPMENT:	84 "89 Brown Clay
	89 90 Coarse Sand
Domestic Industrial Municipal Rotary Cable	90 95 Brown Clay
Irrigation Test Well Tother Dug Well Dug Well	95 103 Coarse Sand
(6) CASING INSTALLED: If gravel packed	103 107 Brown Clay 107 110 Coarse Sand
SINGLE DOUBLE Gage Diameter from to	110 "111 Brown Clay
From 6 ft. to 240 ft. 8 Diam. # 12 wall of Bore ft. ft.	110 "111 Brown Clay Clay Coarse Sand Coars
14" 0 " 250 "	115 122 Sandy Brown Clay
	122 "125 Coarse Sand Tay \ 125 "126 Brown Clay \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	126 129 Coarse Sand \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Type and size of shoe or well ring NON8 Size of gravels Rejects	450 400
Describe joint Belled End, Welded	
	146 "153 " Sandy Brown Clay \ Coarse Sand
(7) PERFORATIONS:	157 158 Borw Clay
Type of perforator wed Milled slots	
Size of perforations 2-1/2 in., length, by 1/8 in.	
From fr. to ft. Perf. per row Rows per ft.	164 "168 " Brown Clay 168 "170 " Coarse Sand
" 200" 240 " 8 " " 2 <u>" " "</u>	
44 y 5 47 y 6 49 19 19	170 "178 " Brown Sandy Clay 178 "180 " Coarse Sand
41 44 44 44 44 44 44 44 44 44 44 44 44 4	180 181 Sandy Brown Clay
0 0 0 0	181 183 Coarse Sand
	183 "190 " go Sandy Brown Clay
(8) CONSTRUCTION:	190 "201 Coarse Sand
Was a surface sanitary seal provided? [Yes D No To what depth ft.	201 203 Sandy Brown Clay
Were any strata sealed against pollution? 🔲 Yes 🤔 No If yes, note depth of strata	203 211 Coarse Sand
From ft. to ft.	211 218 B pp wn Clay
**	218 219 Coarse Sand (OVER)
Method of Sealing	Work stated 6-19-59 19 . Completed 6-23-59 19
(9) WATER LEVELS: Depth at which water was first found 115 ft.	WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Scanding level before perforating ft.	NAME Bill Bellman BH
ting level after perforating 175 ft.	(Person, firm, or corperation; 17 yped or printed)
(10) WELL TESTS: (Air lift)	Reedley, Calif.
Was a pump test made? W Yes No If yes, by whom? Belknap	0-10 10 16 -10
Yield: 60 gal./min. with 15 ft. draw down after 1 hrs.	[SIGNED] BUX Bellevay
Temperature of water Was a chemical analysis made? Yes Z No	License No. Dated 6-26-59

23/25-16N4 Log NO 5508F U.S. M.S. TEST WEZL

219	881	Sandy Brown Clay
831	275	Coarse Sand -
225	230	Sandy Brown Chy
230	237	Coarse Sand
237	544	Sandy Brown Clay
244	250	Coerse Sand

All strata where no color is designated were logged as being yellow-brown

The bottom of the ensing is open and the gravel was almowed to flow into the well on top of an anchor to which a plastic covered wire rope is attached.

GE 11 IN 01 839 6461

SASRAKENTO TOTAL TESOURCES

DUPLICATE File Original, Duplicate and Triplicate with the

REGIONAL WATER POLLUTION

CONTROL BOARD No. 5 (Intert, appropriate, number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

25/26-9NI (6,5.)

STATE OF CALIFORNIA

License No.

LOCATION NOT CHECKED

Do Not Fill In 36188

State Well No.	
Other Well No.	.
Other Well No.	

(2) LOCATION OF WELL: County: Kern Owner's number, if an	
R. F. D. or Street No.	
Sec 9	
Twishp 25 8	
Range 26 R	
	· · · · · · · · · · · · · · · · · · ·
(3) TYPE OF WORK (check): New Well Y Deepening 口 Recondition	はってなっからずものは今までは、いっぱりょうがにようでもなった。 おしまをもし
lf abandonment, describe material and procedure in Iter	
(4) PROPOSED USE (cbeck): Domestic : Industrial : Municipal : Industrial : Other :	(5) EQUIPMENT: Rotary Cable Dug Well
(6) CASING INSTALLED:	If gravel packed
From (t. to St. Diam Will	d Bore
Zaran and a same and a same and a same a same a same a same a same a same a same a same a same a same a same a	
Type and size of shoe or well ring Si	ze of gravel t
(7) PERFORATIONS: Type of perforator used Machine Size of perforations III in., leng	ch, by J/211 in
From ft, in Petl. pe	r row Rows per ft.
276 3 <i>5</i> 1	蒙地震 化艾纳斯特特特斯特性
(8) CONSTRUCTION:	ı-depth ft.
From (c. to	s, note depth of strate
Method of Scaling	
(9) WATER LEVELS:	ft.
anding level before perforeting	
ading level after perforating	with the second second to
of a real of the experiments for examples and the experiment of the experimental process and the contract of	The Mark of Marks with Face Resident and

Temperature of water Yes No

ALIFORI	NIA /C	dV	Other V	eli No Vell No	2557	262	
W = 25 1 (924)	ELL LOG:					io Nijetsy	
Total depth		ft. Dept	n of comple	ted well			ft.
Formation: De	scribe by color, cha (t. to 5	racter, size	of material, p. Spi	and structu			
5	156	" Ha	cd Se	nd.			
150	. 310	<u> </u>	3 7				
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250	319	Sar	idv C	lar			等 / 等 / 等 / 等 等 / 显示 / 约 / 等 表 / 表 / 等 / 等
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Work started	Zastania	19	, Cor	npleted		igrifficial Transference	
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NAME WE		21.5	.				
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DWR FORM NO. 228 (REV. 5

24/25-1681

ORIGINAL

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91/657

PNONE	"The Oldest and Still Cest" DELANO, CARRON SIA Well Drided For BINCE II					
PHONE 2621 Nome Emmitt Brown						
			The filtration can be seen as the seen as the seen			
· AddressRelano.						
Well StartedHarch 6	Well finish	redMac	will 20. 4 Diometer 12#		~~~~~	
Gouse12-Dble	Total Dept	h3(Depth to Water !!	Seton Torra	L-10/L	
Strata Formation	From Fret	To Feet	Perfornted	From Feet	To Feet	
Clay	0	187	Parrorating well from 1	······································		
Sand	187	190	and the state of t	20	5.!	
Clay	190	300				
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CHARLET CONTAINE PARTADA YEAR DO

CONTROL BOARD No. 5

WATER WELL DRILLERS REPORT

LOCATION NOT CHECKED TO Not Fill In Nº 32114

File Original, Dupilcate and Triplicate with the (Sections 7076, 7077, 7078, Water Code) REGIONAL WATER POLLUTION

STATE OF CALIFORNIA

State Well No. Other Well No.

(1) OWNER: Name L.H. Bendosky	(11) WELL LOG: Total depth 300 fe. Depth of completed well 300 fe.					
Address P.O. Box 1442		Formation: Describe	by color, chirecter	size of meterial, and structure.		
clarland, Calif	Ornia	Committee of the tor	6	lop Soil Hard Pan		
(2) LOCATION OF WELL: County Tulare Owner's number, if	any—	- 1.00 	-100 125	Sandy Cla y Sand		
R. F. D. or Street No.		125	200	Yellow Clay		
Sction NW# 28 Township 23S		200	21.5 280	Sanú Glay		
Range 26E		280	285	Sand		
(3) TYPE OF WORK (check): New well Recondi If abandonment, describe material and procedure in 1	第二百分的美国公司,一个一种的基本的基础的基础的基础的设计。	285	300	Hard Clay		
(4) PROPOSED USE (cbeck): Domestic Industrial Municipal Irrigation Test Well Other		•				
(6) CASING INSTALLED: SINGLES DOUBLE Gage From ft. to ft. Diam. Wall	If gravel packed Dismeter to ft.					
300 ft. 8" x # 12	0 1 300		(2) [2] [2] [2] [2] [2] [2] [2] [2] [2] [2]			
English and the second property of the second second		direction of the second				
Type and size of thoe or well ring	Size of gravelty					
Describe joint						
(7) PERFORATIONS: Type of perforator used Machine Size of perforations / 8 x 1 ff cc in. l. From ft. to perforations / Perf	ength, by in. per row Rows per fa.					
190 ft. to 300 ft.						
		Visit 2. 1. 1.		7 m 3 m 1 4 1	4 5 6	
(8) CONSTRUCTION: Was a surface sanitary seal provided? Yes No To			-Section	7076.1, Weton Code		
Were any strata sealed against pollution? Tes No 16		·				
1/60						
Method of Sealing Cement plug		Work started	55	19	d 1935 75	
(9) WATER LEVELS:		WELL DRILLER		Ts jurisdiction and this report is true to	the host of	
Depth at which water was first found		my knowledge and	l belief.			
Standing level before perforating unding level after perforating			ten Pum	orporation) [[Typed or printed,		
(10) WELL TESTS:		Address 1744				
Was a pump test made? Tes No If yes, by whem?			no, Cal	Light Lindson	The state of the s	
Yields, gel./min. with	ft. draw down after bre.	[SIGNED] CZ	Jely 17	Well Driller	Ar grains	
Temperature of water	·	License No. 148	A CONTRACTOR OF STREET AND ADDRESS OF THE STREET	Dated 6/16	19974	
Var electric log made of well? To You No	一种原理的特殊关系和特殊的基础的证据	95489 3-84 BOH Q	JIN (SIRPO	DWR FORM NO. 248 (REV. 3-841	

Appendix B

Driller's Logs and Hydrographs for Existing Lower Aquifer Wells





21/23-36 ORIGINAL File with DWR

WATER WELL DRILLERS REPORT

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

Do Not Fill In No 23051

THE RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF WATER RESOURCES

State Well No Other Well Nors

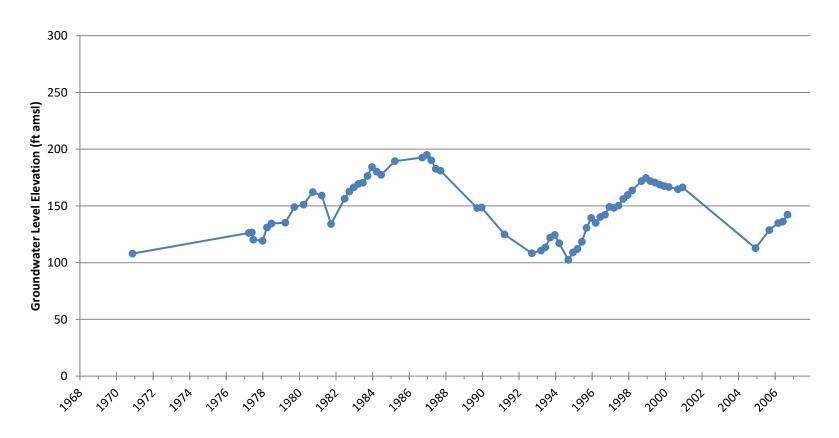
(1) OWNER:						(11) WELL LOG:			
Name /	<i>上</i> 中	0 5 (L) PO.	11						
4 1 1	D 12 1	الجربيها والكالثات المعاور سا		70 -7 0 70	<u> </u>	Total depth 1000 ft. Depth of completed well ft.			
22001035	Po Box			rcore	<u> </u>	Formation: Describe by color, character, size of material, and structure			
(2) TOCA	TYON OF	WITT T				ft. to			
	TION OF			~ ~	116	3 - 2 - 2 - 2 - 6 - 1			
2 -		5 1 5	Owner's number, i		16	300 - 300 6/24			
Township, Range, and Section 213 = 23 E = 31.						330 - 330 Sand			
Dictance from cities, roads, railroads, etc.									
(1) TVDE	OF WOR	W / alasak				310 - 2100 Sand 410 - 11 ho Clav			
(3) TYPE OF WORK (check):									
New Well Decpening Reconditioning Destroying						460-475-522d 475-590 Clay			
1f destruction, describe material and procedure in Item 11. (4) PROPOSED USE (check): (5) EQUIPMENT:									
	Industrial								
— — — — — — — — — — — — — — — — — — —	Test Well			Rotary Cable		600 - 620 0/34			
TITIENTION D	Test wen	` Ш	 1	Other		120 - 135 Sand			
(C) CAST	TO TRICTA	TT ETA.							
(b) CASII	NG INSTA		Tf c	gravel pac	kad				
STEEL		HER:	1	staver pac	ACU	666- (75° C/ay 7 1675° - 770 Sand 38			
SINGLE A	PCORCE [
		Gage	Diameter			110-810 6121			
From ft.	To Diam	or Wall	of Bore	From ft.	To ft.				
			i			820-845 6/24 /00			
7 2 2 3			28"	$-\Delta$	1000	0770000			
400/	000 /3		Tuaren eza, e			850-880 Clay, Zo			
				77	1,	880 - 900 Saud 105			
Size of shoe or we	ell ring:	2	Size of gravel:	14		900- 930 Clay			
Describe joint	will					930-950 Sored			
	ORATION	and the second of the second of	REEN:			950-1000 6/24			
Type of perforati	on or name of scre	en	1						
_		Perf.	Rows						
From ft.	To ft.	per row	per ft.		Size . x in.				
	↓		-	177)				
400	1000	12	1-4		ſ				
	 								
	 		 	`					
	 		 						
(O) CONT		.	<u> </u>			2 me post			
	TRUCTIO		. <u> </u>			1. halo a par			
	itary seal provided			what depth	ft.	78,7000			
	ealed against pollu		No E	If yes, note	depth of strata				
From	ft, to	ít,			 				
From	ft, to	ſt.				Work started 19 , Completed 19			
Method of sealing						WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true to the best			
•	ER LEVEL		: .			of my knowledge and belief.			
	water was first fo		<u> </u>	- ft.		10/-11/1/1/C			
	efore perforating,			ft.	7 2	NAME (Person, firm, or corporation) (Typed or printed)			
	fter perforating a	nd developing		ft.	30				
, ,	L TESTS:			118,3	، در ک	Address Ling Jan Dot Fen			
Was pump test m			f yes, by whom?						
Yields 200			Oft. drawdown		hrs.	[Signed] (Well Driller)			
Temperature of v			cal analysis made?		No No	1,120,000 /1, 20 1/			
Was electric log	made of well? Ye	No 🗆	If yes, att	ach copy		License No. 140990 Dated Jil - 20 1960			

Tule Subbasin Monitoring Plan

Appendix B

Groundwater Hydrographs - Deep

21S/23E-36R01





22/24-/Q/WATER WELL DRILLERS REPORT

ORIGINAL -Filo Original, Duplicate and Triplicate with the

REGIONAL WATER POLLUTION

CONTROL BOARD No._ (Intere appropriate number)

(Sections 7076, 7077, 7078, Water Code)

LOCATION NOT CHECKED

Do Not Fill In No 66984

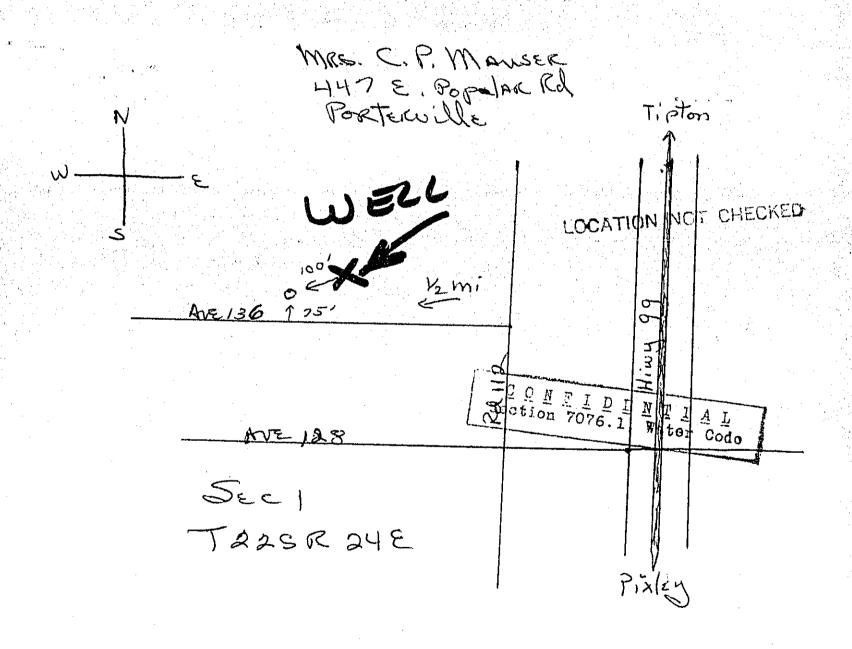
State Well No			
Other Well No. 22	P	1	

STATE OF CALIFORNIA

(1) OWNER:	
A =	
Name Mrs. C. P. Mauser	ع بــــــــــــــــــــــــــــــــــــ
Address 147 E/ Poplar Rd.	
Porterville, Cali	f.
(2) LOCATION OF WELL:	
County Tulare Owner's number, is	any
R. F. D. or Street No.	· ************************************
	<u> </u>
(3) TYPE OF WORK (check):	.*
New Well 🗷 Deepening 🗌 Recond	itioning 🗌 Abandon 🔲
If abandonment, describe material and procedure in.	Item 11:
(4) PROPOSED USE (check):	(5) EQUIPMENT:
Domestic Industrial Municipal [Rotary X
Irrigation Test Well Other	Cable
	Dug Well
(6) CASING INSTALLED:	If gravel packed
SINGLE TOUBLE Gage	Diameter Control
From ft. to ft. Diam. Wall	Diameter from to of Bore ft. ft.
ranger (n. 1947). Prancisco de la companya de la companya de la companya de la companya de la companya de la c	
4801 3/16" Wall "	11
and the state of t	
grade and the second of the se	
	11
Type and size of shoe or well ring	Size of gravel: 6-20
Type and size of shoe or well ring	Size of gravel: 6-20
Type and size of shoe or well ring Describe joint	Size of gravel: 6-20
Type and size of shoe or well ring Describe joint (7) PERFORATIONS: Type of perforato- used	Size of gravel: 6-20
Type and size of shoe or well ring Describe joint (7) PERFORATIONS: Type of perforator used Size of perforations in.,	Size of gravel: 6-20 78 ton
Type and size of shoe or well ring Describe joint (7) PERFORATIONS: Type of perforator used Size of perforations in.,	Size of gravel: 6-20 78 ton
Type and size of shoe or well ring Describe joint (7) PERFORATIONS: Type of perforator used Size of perforations in., From 48 oft. to 700 ft. Perforations	Size of gravel: 6-20 78 ton length, by in. in. in. in. in. in. in. in. in. in.
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Type and size of shoe or well ring Describe joint (7) PERFORATIONS: Type of perforator used Size of perforations in., From 48 oft. to 700 ft. Perforations	Size of gravel: 6-20 78 ton length, by in. in. in. in. in. in. in. in. in. in.
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Type and size of shoe or well ring Describe joint (7) PERFORATIONS: Type of perforator used Size of perforations in., From 48 oft. to 700 ft. Perforated 2201 perforated (8) CONSTRUCTION:	Size of gravel: 6-20 78 ton length, by in. I. per row Rows per ft. I. I. I. I. I. I. I. I. I. I. I. I. I. I
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Type and size of shoe or well ring Describe joint (7) PERFORATIONS: Type of perforator used Size of perforations in., From 48 Oft. to 700 ft. Perform 100 ft. To Mere any strata scaled against pollution? Perform 100 ft. to 100 ft. To Method of Scaling (9) WATER LEVELS:	Size of gravel: 6-20 78 ton length, by in. f. per row Rows per ft. f. f. yes, note depth of strata ft.
Type and size of shoe or well ring Describe joint (7) PERFORATIONS: Type of perforator used Size of perforations in., From 48 Oft. to 700 ft. Perform 100	Size of gravel: 6-20 78 ton length, by in, f. per row Rows per ft. f yes, note depth of stratz ft.
Type and size of shoe or well ring Describe joint (7) PERFORATIONS: Type of perforator used Size of perforations in., From 480ft. to 700 ft. Perforated "" 2201 "perforated "" "" "" "" "" Was a surface sanitary seal provided? Yes No To Were any strata sealed against pollution? Yes No I From ft. to Method of Sealing (9) WATER LEVELS: Depth at which water was first found	Size of gravel: 6-20 78 ton length, by in. f. per row Rows per ft. f. f. fyes, note depth of strata ft. ft. fg. fyes, note depth of strata
Type and size of shoe or well ring Describe joint (7) PERFORATIONS: Type of perforato- used Size of perforations in., From 480ft. to 700 ft. Perforated """ "2201 "perforated """ """ (8) CONSTRUCTION: Was a surface sanitary seal provided? Yes No To Were any strata sealed against pollution? Yes No I From ft. to """ Method of Sealing (9) WATER LEVELS: Depth at which water was first found Standing level before perforating Standing level after perforating	Size of gravel: 6-20 78 ton length, by in. I. per row Rows per ft. I. I. I. I. I. I. I. I. I. I. I. I. I. I
Type and size of shoe or well ring Describe joint (7) PERFORATIONS: Type of perforator used Size of perforations in., From 48 oft. to 700 ft. Perforated """ "2201" perforated """ (8) CONSTRUCTION: Was a surface sanitary seal provided? Yes No To Were any strata sealed against pollution? Yes No I From fr. to "" Method of Sealing (9) WATER LEVELS: Depth at which water was first found Standing level before perforating	Size of gravel: 6-20 78 ton length, by in. I. per row Rows per ft. I. I. I. I. I. I. I. I. I. I. I. I. I. I
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(11) WE	ELL	LOG:				,		
Total depth		720	ft.	Depth of con	pleted well		700	ſŧ.
Formation: De						lure.		
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152		230		Sand.	clav	strks.		
230		245	.,	Clay	<u> </u>	001101		
245	••	320		Sand				
320_	٠.	328	٠.	Clay				
328_	••	420	•· 	Sand,	clay	strks.	·	
420_	.,	<u> 440</u>	-:- -	Clay_				
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Work started J	an	. 23		1961 .	Completed ]	eb. 7	19 6.	<u>_</u>
WELL DRIL  This well to my knowledge	vas d	rilled und			and this	report is true to	the best of	o f
NAME		Knar	αο	& Gral	iam.	Inc.		_
Address		(Person, fit	m∵or 5Y	corperation)	St.	Typed or printed	()	_
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[SIGNED].	$\geq$	ish i	3/	4-1	y V	<u> </u>		
License No	19	3493		Dates		eb. 8	. 19 61	

# 22/24-1Q1 LOCATION OF WILL LOG#66984

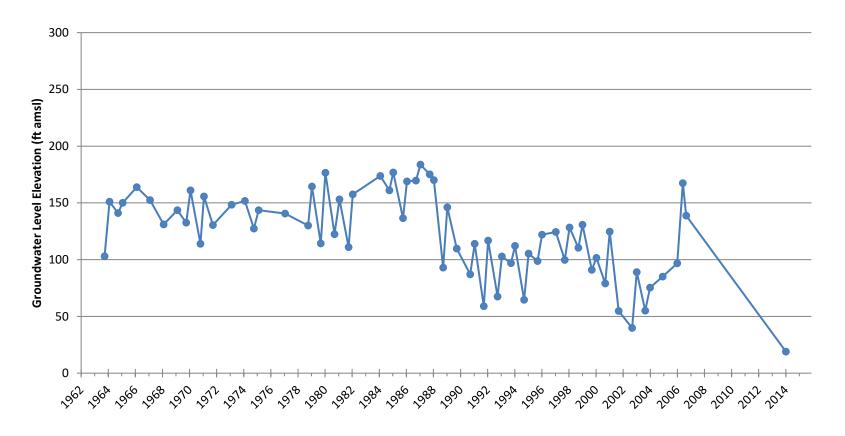


Tule Subbasin Monitoring Plan

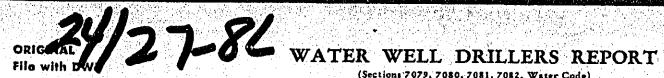
Appendix B

**Groundwater Hydrographs - Deep** 

#### 22S/24E-01Q01







Do Not Fill In

No

#### THE RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF WATER RESOURCES

State Well No. Other Well No. 245/276-8L

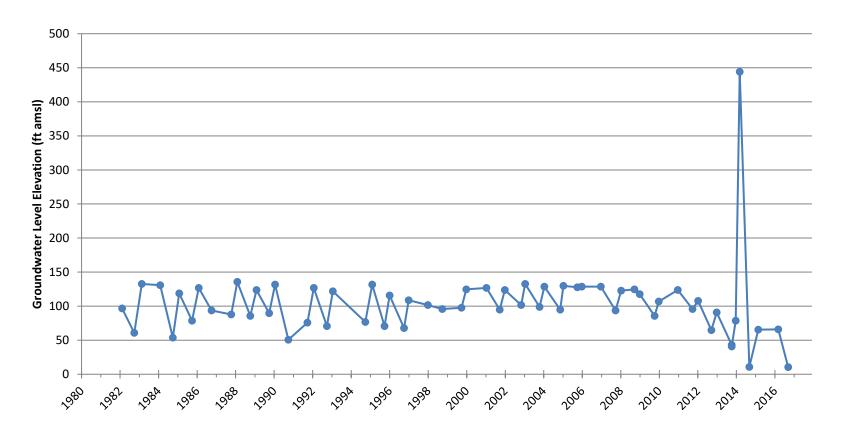
(1) OWNER:			(11) WELL LOG:				
Name Marko Zaninovich, Inc.				.C.			
Address Rt. 1, Box 725					Total depth 1/4/ ft. Depth of completed well 1747 ft.  Formation: Describe by color, character, size of material, and structure		
Delano, Calif. 93215					Pormation: Deserte	ft. to	sterial, and structure ft.
	ATION OF	WELL:			0 ft	<del></del>	
County	<u> Fulare</u>	(	Owner's number, i	f any	9	60	sandy clay
Township, Rang	e, and Section				60	63	sand
	ities, roads, railroa			rth of Ave.	63	253	sandy clay
	i ż mile			216	253	257	sand
(3) TYPE OF WORK (check):  New Well  Deepening  Reconditioning Destroying					257	473	sandy clav
					473	479	sand
	i, describe mater				479	695	sandy clay
	POSED USI			s) EQUIPMENT:	695	74.5	blue clav
	🔲 Industria			Rotary 🗶	745	74.8	sand
Irrigation	X Test Wel	T 🗌 O		Cable	748	812	blue clay
				Other 🔲	812	943	sandy clay
(6) CASI	NG INSTA	ALLED:		in .	943	1033	sediment
STEE		THER:	lt g	ravel packed	1033	1246	shale & clay
SINGLE T	DOUBLE [				1246	1361	blue clay
		Gage	Diameter		1361	1371	hard shale
From ft.	To ft. Diar	or	_of	From	1371	1455	shale & clay
	That is a		Bore		1455	1488	hard shale
0	703 16		25₺	top bottom	1488	1588	hard shale & cl
703 1 16" to	747 14	The second second	graden i Staly 18 Europe States i Stal		1.588	1729	hard sand
	The transfer of the contract	ip jt.			1729	1747	sand & clay
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703	1747	2	14	.100 x 2			
(8) CONS	STRUCTIO	N:					
Was a surface sai	nitary seal provided	l? Yes 🗆 N	• <b>20</b> To w	hat depth ft.			
Were any strata	sealed against pollu	tion? Yes 🗆	No X	If yes, note depth of strata			
From	ft. to	ft.					
From	ft. to	ft.	· · · · · · · · · · · · · · · · · · ·		Work started 1	1/1/67 , Complete	4 11/14/67
Method of sealing	R					R'S STATEMENT:	
	ER LEVEL	i i	•		This well was of my knowledge	drilled under my jurisdic. and belief	tion and this report is true to the best
	water was first fo		unkn	own.	· · · · - <u>-</u>		
	efore perforating,			ſt.	NAME Whitten Pumps, Inc.		
	fter perforating ar	nd developing		ft.	-	// /	ation) (Typed or printed)
(10) WEL		•			Address _	1744 Inyo St	
Was pump test m			yes, by whom?			Velano, Cali	93215
Yield: Temperature of v	gal./min. w		ft, drawdown a		[SIGNED]	UNALACIE	Drilly Carl
			l analysis made?			3 1 0000	
- er ciccure log l	made of well? Yes	No 🗆	If yes, attac	h copy	License No	148282 Dated	<u> </u>

Tule Subbasin Monitoring Plan

Appendix B

**Groundwater Hydrographs - Deep** 

#### 24S/27E-08L01





File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION

CONTROL BOARD No. 5
(Intert appropriate number)

R WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

24/27-32/1/G.S.)

STATE OF CALIFORNIA

LOCATION NOT CHECKED

Do Not Fill in

32108

State Well I	Vo.		
Other Well	1.	< 10 m	L 2 1
Other Well	No.		

Name Earl Thomas Enterpris			ELL LUG:		
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(2) LOCATION OF WELL:		180			
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SE & Section 32		- 310-	356	Hard Clay	
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		395	420	Hand Santie	
(3) TYPE OF WORK (check):		420	The Committee Committee of State State		
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		802	312	Blue Clay	0.8
(7) PERFORATIONS:		812	816	Sand	
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		758	-1004	Sediment	
(8) CONSTRUCTION:		1004	-1008	. Sand	$\frac{\hat{\omega}}{\hat{\omega}}$
Was a surface sanitary seal provided?  Yes No To wha	t death fe.	1080 1008	-1080	Blue Sedime	∋n¢ ∺
Were any strata sealed against pollution? Tes [] No If ye			-1082 -		
Parameter Street and the Street and the Street and the Street	s, note depen or strata	1082	"1108		
ft.		1108	1271		LY /
Method of Sealing		1271	-1301		
income of ocaling		T 30 Presented	1401	16hal Completed	
(9) WATER LEVELS:			KLEK'S STATE		5/-55
Depth at which water was first found	fe.	This well	was drilled under	my jurisdiction and this re	port is true to the best of
Standing level before perforating	TETRAL CONTRACTOR (C. )		ge and belief.	-1800	
anding level after perforating		NAME I	tten Pun		(Typed or printed)
			44 High		A JOHN OF PRINCES
(10) WELL TESTS:					73人
Was a pump test made? Yes No 1f yes, by whom?	The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa	<u> </u>	THE PARTY	lifornia	1111
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206 No. 32108

# PAGE 2 OF 2

### Well Log Continued

1401	ft. to 1410 ft.	Hard Clay Sand
1413		Clay
1423	1426	Sand
1426	1433	Clay
1433	1435	Hard Shale
1435		Shale
1475	1493	Blue Shale
1493	1500	Clay
1500	1515	Shale
1515	1522	Clay
1522 1526	1526	Shale
1551	1 <b>53</b> 1 1590	Very Hard Slate
1590	1628	Shale
1628	1750	Sandy Shale Sand & Shale
1750	1765	Sandy Clay
1765	1780	Clay
	1800	Blue Shale
971780	Ł	

1780

The Month, O. up Mile

C. C. Market D. E. S. T. I. C. Water Code

Section 707807 of Water Code

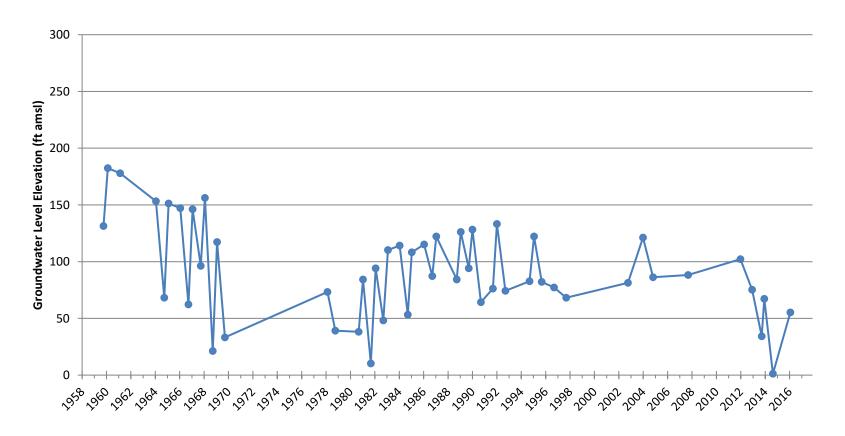
24/27-327-1 (USGS)

Tule Subbasin Monitoring Plan

Appendix B

**Groundwater Hydrographs - Deep** 

24S/27E-32K01





# DUPLICATE File Original, Duplicate and Tripricate with the REGIONAL WATER POLLUTION

STATE OF CALIFORNIA 1406

-UCATION NOT CHECKED

Do Not Fill In

State Well No	032		341
Other Well No.	2 45/2	90	American September

CONTROL BOARD No. 5	STATE OF
(1) OWNER:	
Name Jack C. Thillips	i an ah
Address Star Route, Box 68	
Earlimart, Califor	
(2) LOCATION OF WELL:	
County Tillare Owner's number, if a	ny
R. F. D. or Street No.	
Southwest corner of int	tersection of
Ave. 48 and Rd. 92.	
(3) TYPE OF WORK (check):	
New well Deepening Recondit	ioning
If abandonment, describe material and procedure in It	
(4) PROPOSED USE (check):	(5) EQUIPMENT:
Domestic   Industrial   Municipal	[11][대한 원교로 기름이 보고 기술로 보이 54kg
Irrigation Test Well Other	Cable
Trigation 1 test wen 5 Other	Dug Well
(6) CASING INSTALLED:	If gravel packed
SINGLE DOUBLE Gage	
From ft. to ft. Diam. 7 // Wall	of Bore og if ft.
· 2010年1987年1月1日 (1986年19月1日) - 1987年1987年198日 (1987年19月1日) - 1987年198日 (1987年19月1日) - 1987年198日 (1987年19月1日)	
1002 Resident Single	
	Size of gravels 3 /d
Describe joint Butt Wolder	3/8
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(7) PERFORATIONS:	
Type of perforator used Machine	
Size of perforations 1/8 in., les	
From ft. to ft. Perf.	per row 18 Rows per ft.
_804 ft. to 1,602 ft.	11, 14, 11
	11 (14)
	••••••••••••••••••••••••••••••••••••••
(a) contemptions	
(8) CONSTRUCTION:	
Was a surface sanitary seal provided? Yes No To w	
From	yes, note depth of strata
Tion ft. to ft	
Method of Sealing	
(9) WATER LEVELS:	
Depth at which water was first found Unknown	ft.
Standing level before perforating	- ft.
ding level after perforating	ft.
(10) WELL TESTS:	
Was a pump test made? Yes No If yes, by whom?	ft, desw down after bes.
Was a pump test made? The No. If yes, by whom? Yield: gal./min. with	ft, desw down after bes. lysis made? [] Yes X[] No

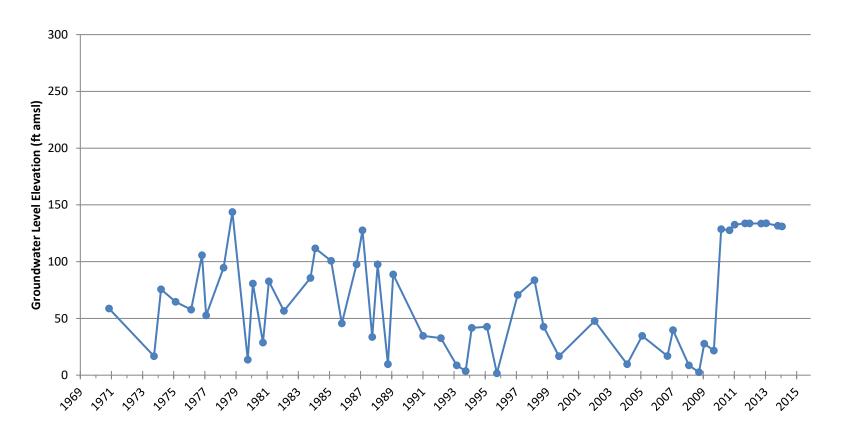
	7/04	Other Well No.	Anna Anna
(11) WELI	L LOG:		36
Total depth 1	.602 for i	Depth of completed well 1,602	2 L+19046
Formation: Describ	e by color, character,	rize of material, and structure.	
<u> </u>	35 ft.	Sandy Clay	
153	188	Sandy Clay	
188	235	Hard Sand	
235	270 "	Glay	
<u>270</u> "	273	Sand	
273	315	Sandy Clay	
315	338 "	Hard Shale	
338	430	Sandy Clay	
430	436	Sand	
436	1,58	Sandy Clay	
458 "	582	Clay	
582 "	643	Blue Clay	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
643 "	710	Sandy Clay	
710	730	Sand	
730 **	745	Sandy Clay	
74.5	792	Shale	
792	892 "	Clay	
892	906	Sand	
<u> </u>	94.5	Sandy Clay	
945	960 **-	Blue Clay	
960	963	Sand	
963	1036	Hard Shale	
1036 *** 1070 ***	1070	Clay	
TO POST	1090	Shale	
1096		Glay Sand	
11100	1170	Shale	a de grande de la company. Como esta de la companya de la companya de la companya de la companya de la companya de la companya de la comp
1170	1200	Clay	
1200 "	1277 ·	Sandy Clay	
1247 "	1257	Hard Shale	
1257	1260."	Sand	
1260 "	1390 "	Shale	
1390 "	1405	Sand	
1405	1425	Sandy Clay	
1425	1.488 "	Shale	
1488"	1502"	Clay	
1502"	1575	Shale Shale	
1575 "	1.590 "/	Sand	
1590	1602	U Ollard Shale	
		Botion & D. D. D.	100
		7 - W/6.9 2 4 I	A. J. M.
Work started 6/	(=-775 =		One 1
work started 6	1/00 1	9 . Completed 6/214/6	J 19
	R'S STATEMEN' drilled under my id helief.	T: jurisdiction and this report is true	to the best of
NAME	Whitten	Pumps, Inc.	
Address	(Person, firm, or co	reporation) (Typed or pean	sed)
	Del ano.	Calify	
[SIGNED]	Joundel	Mars 1	
14	8282	Je A Driller	
License No.		Dated /	T, 19 60
27025 6-87 30H Q	ли Д'вро	DWR 148	(REV. 3.34)

Tule Subbasin Monitoring Plan

Appendix B

**Groundwater Hydrographs - Deep** 

#### 24S/24E-03A01





TRIPLICATE Owner's Copy

Page 1 of 1

STATE OF CALIFORNIA

#### COMPLETION REPORT

No. EO117919

Refer to Instruction Pamphlet

Owner's	Well No. MW-6	
-	0/04/0040	0/2//2010

Date Work Began 9/24/2010 _____, Ended 9/24/2010 Local Permit Agency ENVIRO HEALTH, TULARE

GEOLOGIC LOC Permit Date 8/30/2010 Permit No. 10-0338

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		STA	TE WEL	TNO	/STA	TION N	10.		
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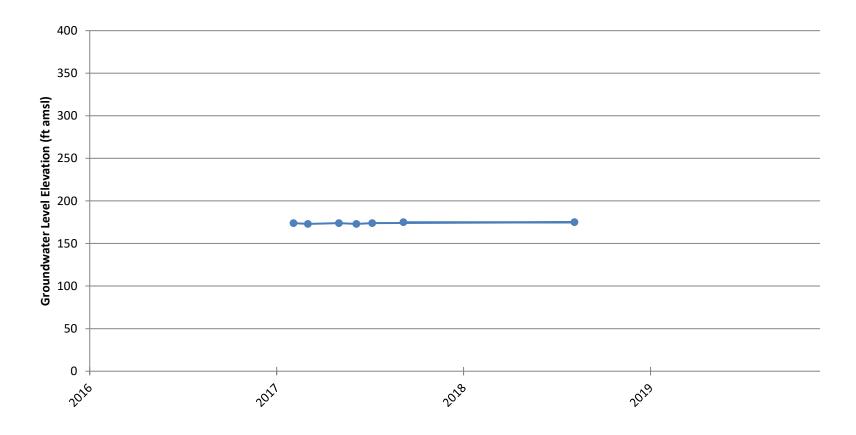
26 & 1/2 MI E. ROA 5  003 Parcel 24 ge 26 Section 17	CA 93215 STATE ZIP D 16
5 Parcel 24	
5 Parcel 24	D 10
003 Parcel 24	
e 20 Section 17	
	, , , , , , , , , , , , , , , , , , ,
SEC.	DEG. MIN. SEC.
SKETCH-	ACTIVITY (🗹) -
Ή	NEW WELL
	MODIFICATION/REPAIR  Deepen
	- Other (Specify)
	DESTROY (Describe Procedures and Materi
	Under "GEOLOGIC LO
	PLANNED USES (✓ WATER SUPPLY
EAST	
₫	
	MONITORING -
	CATHODIC PROTECTION_
	HEAT EXCHANGE
	DIRECT PUSH_
	INJECTION _
	VAPOR EXTRACTION SPARGING
	REMEDIATION _
p. Use additional paper if COMPLETE.	OTHER (SPECIFY)
& YIELD OF COMPI	LETED WELL
(Ft.) BELOW SURFAC	
(GPM) & TEST TYPE	(Ft.)
aaa	(Ft.) BELOW SURFAC

DEPTH FROM SURFACE BORE		DODE					C	ASING (S)			DEPTH			ANNULAR MATERIAL																								
FROM SUI	RFACE	BORE - HOLE	T		E (*		)       FROM SUI						FROM SURFACE																								TYF	PE
Ft. to	Ft.	DIA. (Inches)	BLANK	SCREEN	CON-	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	Ft.	to	Ft.	CE- MENT (✓)	BEN- TONITE	FILL (✓)	FILTER PACK (TYPE/SIZE)																					
#1			-									o i	130	1	1																							
0	200	16"	1				PVC	4"	SCH 40		360	-	370		1																							
200	350	16"		1			PVC	4"	SCH 40	.030	464	- 1	474		1																							
#2											590	-	600		1																							
0	705	12 1/4"	1	-			PVC	4"	SCH 40		630	-	640		1																							
705	805	12 1/4"		1			PVC	4"	SCH 40	.030	660	4	670		1																							

ATTACHMENTS (∠)	CERTIFICATION STATEM	ENT -	
Geologic Log     Well Construction Diagram	I, the undersigned, certify that this report is complete and accurate to the best of my know NAME_BRADLEY & SONS	ledge and belief.	
<ul><li>Geophysical Log(s)</li><li>Soil/Water Chemical Analysis</li></ul>	(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)  3625 S. HIGHLAND  DEL RE	Y C	A 93616
— Other ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.	ADDRESS Signed WELL DRILLER/AUTHORIZED REPRESENTATIVE	10/06/10 DATE SIGNED	TATE ZIP 414178 C-57 LICENSE NUMBER
	WELL DIRECTION TO NEED REPRESENTATIVE	DATE SIGNED	C-37 LICENSE NUMBER

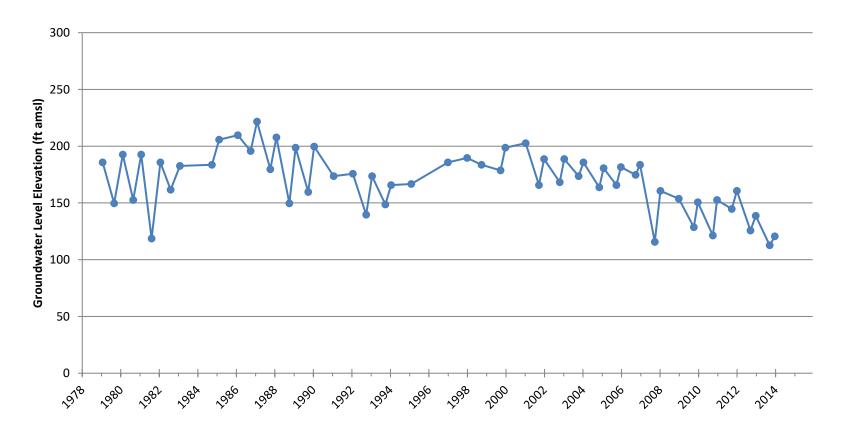
#### **Groundwater Hydrographs - Deep**

M-19



**Groundwater Hydrographs - Deep** 

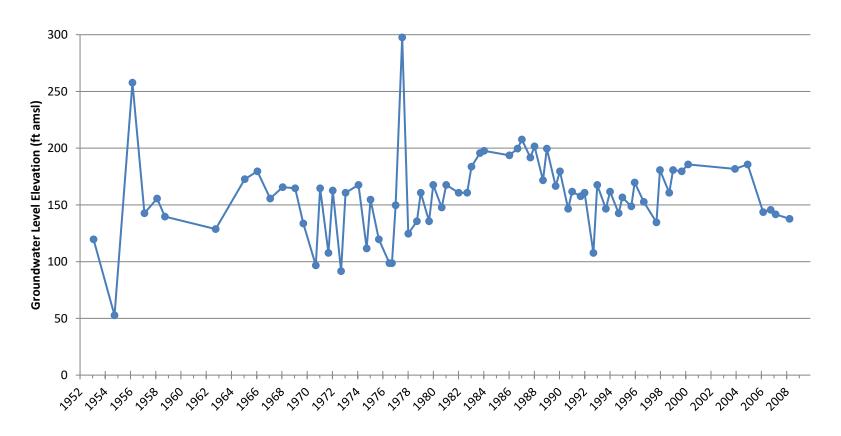
24S/25E-13F01





#### **Groundwater Hydrographs - Deep**

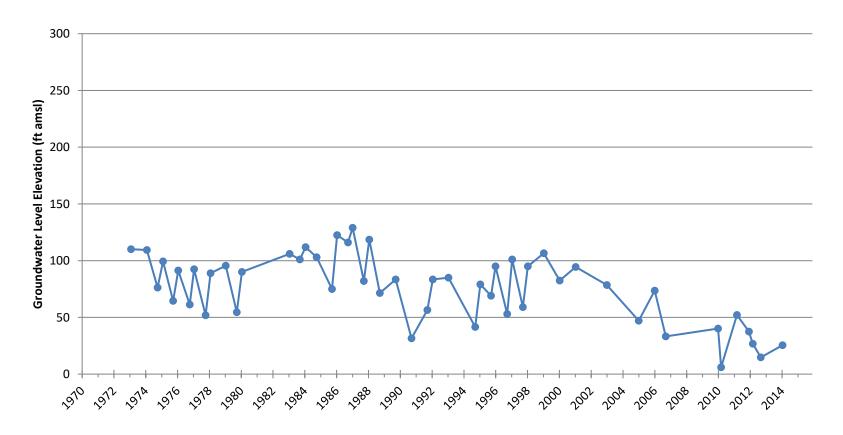
#### 24S/25E-36J01





**Groundwater Hydrographs - Deep** 

#### 23S/23E-02A01





File Original with DWR						STATEO	F CALIFO	RNIA	<b>L</b>	_ <del>-</del>	<u>-      </u>	WR US	E ONLY	<del>/</del>	DC _I N	IOT FILL	_IN
Page _ 1 _ of _ 2				V	VELL C	Refer to Ins	struction Pa	amphi			-  /_	/ d c	TATE W	ELL NO.	./STATI	ON NO.	1/2
Owner's Well No.			11 #1				•	e007	78297	<u></u>  ∟	1						113
Date Work Began ₋		6/08		_ En		0/07/08			_			ATITUDE			LC	NGITUDE	
Local Permit Age Permit No	ency		Tu	lare C	ounty Envi	ronmenta	l Health I	Divis	sion	_   L	L			N/TRS/0	THER		
Permit No		08-03	39	TO T O	Permit I	Date	7/			_	**	TELL C					
											- W	ELL C	) W.N.E. de Fai	K — mina			
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90 1 230	Brown c	lay,	grave	el				Cou	nty I Book200	Tul	are	Count	у		STA	ATE	ZIP
230   260	Gray cla	ıy, gr	avel					APN	1 Book	O Page		190	Parcel			004	
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	Gray cla							Latit	tude 36 <u>.</u>	4 146.5	3 N	ORTH	Longi	tude_	119	26 1	1.47 WEST
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	Gray cla			vel				Illust	rate or Describe I es, Rivers etc an	SOUT	H	from Pos	de Build	inae	!	REME	DIATION -
	Gray cla	<u> </u>						Fenc	es, Rivers etc an	d attach ma	ap. U	se additi	onal pap	er if	:	OTHER (SP	ECIFY)
	Gray cla		d gra	vel				nece	essary. PLEASE E					2) (DI		MACK I	
	Gravel									R LEVEI						WELL	
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760   790	Gray cla							EST	IMATED YIELD	_ 2008	<u> </u>	GPM) & ⁻	TEST TY	PE		Constan	t
TOTAL DEPTH OF	BORING _	12	80	(Feet)				TES	T LENGTH3'	7 _(Hrs.)	TOTA	AL DRAW	DOWN	216.8	8_ (Ft.)		
TOTAL DEPTH OF	COMPLET	ED W	ELL	12'	70(Feet)			* M	lay not be repre	sentative	of a v	vell's lor	ıg-term	yield.			
						ACDIC (C)								ΔNN	III A R	MATER	TAT.
DEPTH FROM SURFACE	BORE-	<del></del>	DE / 1	<u>, I</u>		ASING (S)	l. T			FROM	EPTI SUF	H RFACE		*******		PE	
I NOW SUNFACE	HOLE DIA.	X   :	PE ( - 김 . 넒	빖	MATERIAL /	OUTSIDE	GAUGE		SLOT SIZE	,			CE-	BEN-		T	ED DACK
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0   640 640   660	28	X	,		Steel	18	.375					1200	ļ.—	<del> </del>	_ <u>^</u>	1/4 X 10	Gravei Pac
	28	<u>}</u>		_	Steel	16	.312		060 Standard Louver	<del>  -</del>					-		
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1200 12/0	20		+	-	21001	10	.515			<b> </b>	· '						
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000.0g.	c Log Instruction Di	0000			NAME			<u></u>	Layne C	hristens	en (	Compa	ny				
146/1 66	nstruction Di sical Log(s)	ayram			NAIVIE (PE		1		TYPED OR PRINT	ED)			_			<b>~</b> 4	0000=
· ·	sicai Log(s) ter Chemical	Analys	203		15	M. K	11001 E	iwan	da Ave				Font	ana		<u>CA</u> -	92337
	ter Grienlicar				ADDRESS Signed		IUW L					CIT	10/10	<del></del>	STA		16611
ATTACH ADDITIONAL			IT FYIS	375	Signed M	ecc priliter	VYHORIZE/F	REPRES	SENTATIVE				DATE	SIGNE	D	C-57 LICE	NSE NUMBER

File Original with DWR	WELI	STATE OF CALIF	ON REPORT	2 /5/2	E ONLY _	DCN	OT FILL IN
Page 2 of 2		Refer to Instruction	Pamphlet	s	TATE WELL N	O./STATIC	ON NO.
Owner's Well No.	Well #1	No	e0078297	_		1	
Date Work Began	8/16/08 Ended	10/07/08		LATITUDE		LÓ	NGITUDE
Local Permit Age	ency Tulare County E	nvironmental Health					
Permit No	08-0339 Perr	nit Date	7/9/08			S/OTHER	
	GEOLOGIC LOG				WNER -		
ORIENTATION (X)	X VERTICAL HORIZONTAL	ANGLE (SPECIFY)	Name	****	de Farmin		
DEDTH FROM	DRILLING Reverse Rotary METHOD	ANGLE (SPECIFY) FLUID N ize_color_etc	Mailing Address		5850 Ave		CA 93272
DEPTH FROM SURFACE	DESCRIPTIO	N ina andre ata	CITY	Tipton		STA	
FL to Ft. 790 910	Describe material, grain s Gray clay and gravel	ize, color, etc.		WELL LO 585	CATION <u> </u>		
	Gray clay, sand and gravel	····	Address	Tinton			CA 93272
	Clay and coarse sand		City	Tulare Count	v	STA	
	Clay, sand, and gravel		APN Book 200	Page 190	Parcel		004
	Sand and gravel		Township 21S	Pange 23E	Section		
	Sandy clay		Township 21S Latitude 36 4	46.53 NORTH	Longitude	119	26 11.47 WEST
	Sandy clay and gravel		DEG. MIN.	SEC. FION SKETCH -	Longitude	DEG. N	AIN. SEC.
	Gray clay and gravel		LOCA	NORTH —		$\frac{1}{X}$	CTIVITY (X) —
1060 j 1070	Gravel and gray clay				E) E E E		ODIFICATION/REPAIR
	Gray clay		34		16		Deepen
	Gray clay and coarse sand			-2			Other (Specify)
	Gray clay and gravel						ESTROY (Describe rocedures and Materials
1160 + 1200						U	rocedures and Materials inder "GEOLOGIC LOG"
1200 1 1260	Gray clay and gravel			Te Verde Farr	701701141	PLAI	NNED USES (X)
	1		5850 Avango 160, Tipio	A PLANT	illingavveii		
	1					:   <u>^</u> in	omestic Public rigation Industria
<u> </u>	1		ME A		Ĭ,		MONITORING TEST WELL
	1					CATHO	DIC PROTECTION
	1			-		HE	AT EXCHANGE
	1			621			DIRECT PUSH
	1			T.		VAPO	INJECTION R EXTRACTION
	t		F1 7	Same opposes D	Google	"," "	SPARGING
1	1		Illustrate or Describe Dista	SOUTH	ds Buildings	1	REMEDIATION -
i	1		Illustrate or Describe Dista Fences, Rivers etc and at	tach map. Use addition	onal paper if		OTHER (SPECIFY)
I	ī		necessary. PLEASE BE A	EVEL & YIELD			WELL
1	1		DEPTH TO FIRST WATE				WELL
1	1		I .		LOW SURFAC	JE	
1			DEPTH OF STATIC 25	( <i>[[i,j]</i> & DATI	E MEASURED		4/08-10/07/08_
1	1	. (4)	ESTIMATED YIELD	2008 (GPM) & 1	EST TYPE		onstant
TOTAL DEPTH OF			TEST LENGTH37	(Hrs.) TOTAL DRAW	_{DOWN} 216.	88_ (Ft.)	
TOTAL DEPTH OF	COMPLETED WELL 1270 (Fe	et)	* May not be represen	tative of a well's lor	ig-term yield	•	
		CASING (S)			AN	NULAR	MATERIAL
DEPTH FROM SURFACE	BORE- HOLF TYPE ( -')	CASING (3)		DEPTH FROM SURFACE		TY	
	│ HOLE │ TYPE (-') │ DIA.  날 집 , ᇊ 립   MATERIAL	, OUTSIDE GAUG			CE- BEN	-	FILTER PACK
Ft. to Ft.	DIA. W W W W W W W W W W W W W W W W W W W	DIAMETER OR WA		Ft. to Ft.	MENT TONIT	1 1	(TYPE/SIZE)
<del>-</del>	<u> </u>			1	( <u>X</u> ) ( <u>X</u>	(X)	Mark .
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ı				1		5 Br	
ATTAC	CHMENTS (X)		CERTIFICATION				and half-f
X Geologi	ic Log   1, the	undersigned certify that		ind accurate to the istensen Compa		knowiedg	je and belief.
X Well Co	onstruction Diagram NAME	(PERSON, FIRM, OR CORPOR	AT ON) (TYPED OR PRINTED)	otonioni Compa	3		
Geophy	rsical Log(s)	1 11001 F	Augusta Avia		Fontono		CA 92337

IE ADDITIONAL SPACY IS NEEDED LISE NEYT CONSECUTIVELY MUMRERED EOPM

510011 C-57 LICENSE NUMBER

___ Soil/Water Chemical Analyses

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

____ Other __

### ORIGINAL Fire with DWR 225/23E//6 Page 1 of 1

STATE OF CALIFORNIA

#### WELL COMPLETION REPORT

Refer to Instruction Pamphlet

t age 01	
Owner's Well No	6535

Date Work Began 09/26/94 , Ended 10/04/94

.^{№.} 545936

Local Permit Agency TULARE CO ENVIRONMENTAL HEALTH Permit Date <u>08/24/94</u> Permit No. 30036

- GEOLOGIC LOG -

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				ST	ATE '	WEIT	NO.	/STA	пои	NO.		
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		LAT	TUDE					LC	DNGIT	UDE		
L				L	1				_ 1.			
						APN/	TR\$/	OTHE	R.			

<u>Dwr use only - Do not fill in</u>

			GE	OLO	GIC	LOG ——	<del> </del>					WELL O	WNE	в —			
ORIENTA	TION ( < )					RIZONTAL AN	icie i	(SPECIEVA	Na			ORK COMPAN'					
- Crinditin						TER (Ft.)						3922 AVENU		2.0			
	FROM	]		, , ,,,,,,,,		ESCRIPTION	DIMO! JC	HACL		DRCORAN			-		C	<u> </u>	93212
Ft.		1		Descrit		zterial, grain size, co	olor, etc.		<del>21</del> 2	(		WELL LO	CATI	O 3'	ST	ATE	93212 ZIP
0	3	TOP S	_				<u> </u>		<u>.</u>	dress HWY	_	43 AVE 12		.UN =			
3	15	1			.OW	CLAY		1		v	_	TO AVE IL	<u>,                                    </u>		•		
15	110	SAND		-		ROWN CLAY	-	ARS		unty TULA	Δĭ	R IF					
110	250	SAND		BLUI		LAY W/SA						Page 060 J	11	10	001		
250	300				,	CLAY STE	. 1	TURE				S Range 23 E					
3.00	325	SAND					VEAING.		10	wnsnip <u>z.z.</u>		S Kange 25 E	еспо	n <u>I U</u>			WEST
325	400	1-2-1-1-1-1-1		<u> </u>	_	UE CLAY	STREA	KC		DEG.	h	, NORTH ]	Longi	ruae _	DEG.	MIN.	SEC.
400	420	BLUE			<u>D1</u>	CBA1	GIACEA	III O		Loc	C.	ATION SKETCH .			Jv ^A	CTIV	ITY (∠) —
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435	555	CORC	L.		- 4		este to the		┨						MODI	FICATION	I/REPAIR
555	700					UE CLAY	CTD E A	ve -	┨							De	epen
700	T					SAND & F			┨							0#	ner (Specify)
860	885	SANDY	-			,	SLUE C	LAI	┨								
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930	970	e -				SAND & E			┨.						1 1	Under "Gl	EOLOGIC LOG")
970	1010								뮵					٨ST	1	*N N E : ≥)	D USE(S) - ()
						UE CLAY			₹					Ð		_ MON	TÓRING
						SAND & F	SLUE C	LAY	┨	<u>- 5</u>	_	1			WATE	R SUPPL	.Υ
	1210									INE	L	الر				_	Domestic
1210	1300	INTEL	KBI	EDDI	<u>U</u>	SAND		Ar.	II	-114							Public
<u> </u>	<u>i</u> I	<u> </u> 					<del>(</del>	$\frac{1}{1}$	-	•						X	Irrigation
-	1	<u> </u>							-							_	Industrial
-	<del> </del>	! 							-						-	"TES	T WELL"
	<u>i</u> I	<u>;</u>				<u> </u>			┖			— south ———			] -	_ CATH	ODIC PROTEC-
	1	<u> </u>							Ill	ustrate or Descri	ibė	e Distance of Well from lings, Fences, Rivers, etc	Landr	narks	-		R (Specify)
	1 1	<del> </del>				<u></u>			- Pi	LEASE BE ACC	$c\iota$	IRATE & COMPLETE			l —		
	<u> </u>	<u> </u>							DRI	ILING							
	1	<u>i</u>							ME	THOD ROTA				FLUID		- · · · · · · · · · · · · · · · · · · ·	
<u> </u>	<u> </u>	1				-		_	DEF	TH OF STATIC	: _	EVEL & YIELD	•				
	<del>-</del>	 -							. WA	TER LEVEL		(Ft.) & DA					
	<u>i                                     </u>	<u>:                                      </u>		7.0								(GPM) & T					
TOTAL I	DEPTH OF	BORING -	L Z	10	_ (Fe				TES	ST LENGTH		(Hrs.) TOTAL DRAV	<b>VDOWI</b>	N	(	Ft.)	
TOTAL I	DEPTH OF	COMPLET	ED	WELL	14	210 (Feet)			* A	lay not be repre	ese	ntative of a well's long	-term	yield.			
			T				ASING(S)	\			1			A NIA'TI	T + 12	MATT	ZDTAT
	PTH SURFACE	BORE-	┝	VDE / -	<u> </u>	· ·	A31.4G(3)	<u>'</u>			H	DEPTH FROM SURFACE		ANNU			ERIAL
		HOLE DIA.		YPE (		MATERIAL/	INTERNAL	GAUG		SLOT SIZE		. HOM COM ACE	CE-	BEN-		<u> PE</u>	
Ft.	to Ft.	(Inches)	BLANK	SCREEN CON:	FILL PIPE	GRADE	DIAMETER (Inches)	OR WA		IF ANY (Inches)	$\prod$	Ft. to Ft.	MENT	TONITE	FILL		TER PACK 'PE/SIZE)
		005	<u>  ^</u>	Ø		LEADAN PROP	' '				11		<u>(∠)</u>	(∠)	(∠)		-
0	540	28"	-	<u> </u>	$\sqcup$	ACCESS TUBE	2"	SCH 40			11	0 50	X				SLURRY
1 0	560	28"	X	1 1		ASTN-135	16"	.312			П	50 540		1	Y I	GRAVE	₹.

720	730	26"	X		ASS	ru-135	12-3/4	.312			1			
	- ATTACI	HMENTS	( :	<u> </u>					– CERTIFI	CATION S	TATEME	NT —		
	Geologic	: Loa				I, the unde	rsigned, ce	ertify that th	is report is co	omplete and	accuráté to	the best	of my know	ledge and belief.
	-	nstruction Di	адта	π			ATON I		NG COMP		INC.			<i>5</i>
	Geophys	sical Log(s)				(PERS	JAI, FIRM. OR I	CURPURATION) (	TYPED OR PRINTE	D) .				
	Soil/Wa	ter Chemica	l Ana	lyses		ADDRESS*	Kentz	seky A	ve.	Woo	dland		CA STATE	95695
	Other _				l	ALADICUS -	( ~ ( )	/_i. ·			UIT		SIKIE	<b>2</b> P
ATTACH	ADDITIONAL	INFORMATI	ON.	IFΠE	XISTS.	Signed WELL	DRALER/AUTH	ORIZZO REPRES	ENTATIVE			AR SIGNE		L-57 CICENSE NOMBER

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Δ,z,

SAND PACK

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710

690

710

720

28"

26"

26"

DBL MILLSLOT

DBL MILLSLOT

ASTM-135

16"

12-3/4

12-3/4

#### **ORIGINAL** File with DWR Page _____ of _____

STATE OF CALIFORNIA

#### WELL COMPLETION REPORT

Refer to Instruction Pamphlet

Owner's Well No. 09/26/94
Date Work Began

No. 545937

Local Permit Agency TULARE CO ENVIRONMENTAL HEALTH
Permit No. 30036 GEOLOGIC LOG

STATE WELL NO./STATION NO. LATTTUDE LONGITUDE APN/TRS/OTHER

	GEOLOGIC LOG	,	WELL O		
ORIENTATION (∠)	X VERTICAL HORIZONTAL ANGLE (SPECIFY)	Name CORCE	PORK COMPAN	Y	
	DEPTH TO FIRST WATER(Ft.) BELOW SURFACE	Mailing Address	3922 AVENU	E 120	
DEPTH FROM		CORCORAN	· <del></del>		CA 93212
SURFACE	DESCRIPTION	CITY	<u></u>		STATE ZIP
Ft. to Ft.	Describe material, grain size, color, etc.	1 77	WELL LO	CATION -	-
!		Address SAMI	E AS PAGE	ONE	
!		City			
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<u> </u>	,	Illustrate or Descri such as Roads, Bui	be Distance of Well from Idings, Fences, Ricers, etc CURATE & COMPLETE	Landmarks	OTHER (Specify)
		PLEASE BE ACC	CURATE & COMPLETE	2	<u> </u>
<del>                                     </del>	<u>,                                      </u>	DRILLING POTA	NRV		and
<del></del>	<u>                                     </u>	DRILLING ROTA		FLUID 1	
<u> </u>		DEPTH OF STATIC	LEVEL & YIELD	OF COMPI	LETED WELL -
<u> </u>		WATER LEVEL	(Ft.) & DA	TE MEASURE	D
<u> </u>	1070	ESTIMATED YIELD	* (GPM) & 1	TEST TYPE	
TOTAL DEPTH OF	BORING 1270 (Feet)	TEST LENGTH	(Hrs.) TOTAL DRAY	WDOWN	(Ft.)
TOTAL DEPTH OF	COMPLETED WELL 1210 (Feet)		sentative of a well's lon		
		,	,	, ,	
DEPTH	CASING(S)		DEPTH	ANNU	LAR MATERIAL

DEPTH	BORE-		c	ASING(S)	1		[ I	DEPTH		1	ANNU	LAR	MATERIAL
FROM SURFACE	HOLE	TYPE (∠)	_	INTERNAL		21.07.0175	FROM	SUR	FACE			T	YPE
Ft. to Ft.	DIA. (Inches)	SCREEN SCREEN CON- DUCTOR	MATERIAL/ GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	Ft.	to	Ft.	CE- MENT (エ)	BEN- TONITE (エ)	FILL (兰)	FILTER PACK (TYPE/SIZE)
730   760	26"	X.	DBL MILLSLOT	12-3/4	.312	0.050		$\top$					
760 810	26 ª	X	ASTM-135	12-3/4	.312			ï					
810 860	26*	X	DBL MILLSLOT	12-3/4	.312	0.050	ļ	<u> </u>					
860   900	26"	X	ASTN-135	12-3/4	.312			i			l		
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930 970	26"	X	ASTM-135	12-3/4	.312							4.0.	F-12

930 970 26" X AS	TM-135   12-3/4   .312	
——— ATTACHMENTS (∠)	11	FION STATEMENT ————————————————————————————————————
Geologic Log     Well Construction Diagram	NAME EATON DRILLING COMPAN	•
Geophysical Log(s)	(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)  20 W. Kentucky Ave.	Woodland CA 95695
Soll/Water Chemical Analyses  Other	ADDRESS (Q. )	CITY STATE ZÎP
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.	Signed WELL DRILLER/AUTHORIZED REPRESENTATIVE	10/13/94 133783C57

#### **ORIGINAL** File with DWR

#### STATE OF CALIFORNIA

#### WELL COMPLETION REPORT

Page 1 of 1	
Owner's Well No. 6535	P3

Refer to Instruction Pampbles

Owner's Well No.	000010			
Date Work Began	09/26/94	, Ended	10/04	<u>/94</u>

.[№] 545938

Local Permit Agency TULARE CO ENVIRONMENTAL HEALTH Permit No. 30036 Permit Date 08/24/94

GEOLOGIC LOG

DWR USE ONLY - DO NOT FILL IN -							
STATE WELL NO./STATION NO.							
LATITUDE LONGITUDE							
ADMITTERIOR							

	GLOLOGIC LOG	WELL OWNER
ORIENTATION (∠)	X VERTICAL HORIZONTAL ANGLE (SPECIFY)	Name CORCPORK COMPANY
DEPTH FROM	DEPTH TO FIRST WATER(Ft.) BELOW SURFACE	Mailing Address 3922 AVENUE 120
SURFACE	DESCRIPTION	CORCORAN CA 93212
Ft. to Ft.	Describe material, grain size, color, etc.	WELL LOCATION STATE ZIP
		Address SAME AS PAGE ONE
<u> </u>		*City\
1		County TULARE
		APN Book 291 Page 060 Parcel 19001
		Township 22 S Range 23 E Section 16
		Township 22 S Range 25 E Section 10
		Latitude NORTH Longitude WEST DEG. MIN. SEC. DEG. MIN. SEC. ACTIVITY (\(\neq\))
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	No carried to the second	NORTH - X_ NEW WELL
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<u>'</u>	2_	WATER SUPPLY
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	· · · · · · · · · · · · · · · · · · ·	X irrigation
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<u> </u>		"TEST WELL"
i t		CATHODIC PROTEC
1		SOUTH TON
		Illustrate or Describe Distance of Well from Landmarks — OTHER (Specity) such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.
		FLEASE DE ACCURATE & CUMPLETE.
l I		DRILLING ROTARY FLUID MUD
		WATER LEVEL & YIELD OF COMPLETED WELL
	•	DEPTH OF STATIC WATER LEVEL
		ESTIMATED YIELD* (GPM) & TEST TYPE
TOTAL DEPTH OF	BORING 1270 (Feet)	
TOTAL DEPTH OF	1910	TEST LENGTH (Hrs.) TOTAL DRAWDOWN (Ft.)
TOTAL DEFIN OF	COMPLETED WELL 1210 (Feet)	* May not be representative of a well's long-term yield.
DEDEL	CASING(S)	ANNIII AR MATERIAL

	EPTH	BORE-					C	ASING(S)	1		DEPTH		ANNULAR MATERIAL				
FROM	SURFACE	HOLE DIA.	_	_	(	_	MATERIAL/	INTERNAL	GAUGE	SLOT SIZE	FROM	4 SUR	FACE			Т	/PE
Ft.	to Ft.	(Inches)	BLANK	SCREEN	CON. DUCTOR	FILL PIP	GRADE	DIAMETER (Inches)	OR WALL THICKNESS	IF ANY (Inches)	Ft.	to	Ft.		BEN- TONITE (エ)	FILL (土)	FILTER PACK (TYPE/SIZE)
970	1000	26*		K			DBL WILLSLOF	12-3/4	.312	0.050		l l					
1000	1020	26"					COMPRESSON		SECTION			- !					,
1020	1050	26*		Ţ			DBL MILLSLOT	12-3/4	.312	0.050							
1050	1060	26*	X				ASTM-135	12-3/4	.312			i					
1060	1080	26"		X			DBL WILLSLOT	12-3/4	.312	0.050		!		12.1	16	1 1	7 . 2 : 11, 12
1080	1090	26"	X				ASTN-135	12-3/4	.312	_						1.57	27 (7.).

1000 1000 10 10 10 10 10 10 10 10 10 10	<u>181 183   16-</u> 0/4   516
ATTACHMENTS (∠)	CERTIFICATION STATEMENT
Geologic Log	I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.
Well Construction Diagram	NAME FATON DRILLING COMPANY, INC.
Geophysical Log(s)	(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
Soil/Water Chemical Analyses	200 Neptycky Ave. Woodland CAAR 95695
Other	ADDRESS' AND AND AND AND AND AND AND AND AND AND
ATTACH ADDITIONAL INFORMATION. IF IT EXISTS.	Signed WELL DRILLER/AUTHORIZED REPRESENTATIVE DAY SKINED 94 13 37 92 157 157 157 157 157 157 157 157 157 157
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#### **ORIGINAL** File with DWR Page __1 of _1

Date Work Began ___

Owner's Well No. 6535P4

#### STATE OF CALIFORNIA

, Ended. Local Permit Agency TULARE CO ENVIORNMENTAL HEALTH

#### WELL COMPLETION REPORT

Refer to				
	No.	54	59	339

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

Permit No. ᢃ	0036 Permit Date 08/24/	9.4 APN/TRS/OTHER
	GEOLOGIC LOG	WELL OWNER -
ORIENTATION (∠)	X VERTICAL HORIZONTAL ANGLE (SPECIFY)  DEPTH TO FIRST WATER (Ft.) BELOW SURFACE	Name CORCPORK COMPANY Mailing Address 3922 AVENUE 120
SURFACE Ft. to Ft.	DESCRIPTION  Describe material, grain size, color, etc.	CITY STATE ZIP
Ft. to Ft.	Describe material, grain size, color, etc.	WELL LOCATION
-		Address SAME AS PAGE ONE
<del></del>		City
1		County TULARE
		APN Book <b>291</b> Page <b>060</b> Parcel <b>19001</b>
-		Township 22 S Range 23 E Section 16
ļ		Latitude NORTH Longitude WEST DEG. MIN. SEC.
- ;		I OCATION SKETCHACTIVITY (/ )
1 **		NORTH X NEW WELL
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	11 10000	DESTROY (Describe
I the same	<u> </u>	Procedures and Materials Under "GEOLOGIC LOG")
- Constant		L-PLANNED USE(S)-
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	<u> </u>	MONITORING
	· · · · · · · · · · · · · · · · · · ·	- WATER SUPPLY
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-		"TEST WELL"
-	i	SOUTH ————————————————————————————————————
<del> </del>	1	Illustrate or Describe Distance of Well from Landmarks OTHER (Specify)
-		such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.
<del></del>	, , , , , , , , , , , , , , , , , , , ,	DBILLING
i	1	METHOD ROTARY FLUID MUD
1	1 1	WATER LEVEL & YIELD OF COMPLETED WELL ——————————————————————————————————
	<u></u>	WATER LEVEL (Ft.) & DATE MEASURED
	1070	ESTIMATED YIELD (GPM) & TEST TYPE
TOTAL DEPTH OF		TEST LENGTH (Hrs.) TOTAL DRAWDOWN (Ft.)
TOTAL DEPTH OF	COMPLETED WELL 1210 (Feet)	* May not be representative of a well's long-term yield.
	G L SYNC (C)	
DEPTH FROM SURFACE	BORE- CASING(S)	DEPTH ANNULAR MATERIAL
THOM SUHFACE	HOLE	FROM SURFACE TYPE
Ft. to Ft.	(hoches) [본 교실한 MATERIAL / DIAMETER OR WA	LL IF ANY MENT TONITE FILL FILTER PACK
		ESS (Inches) Ft. to Ft. (ビ) (ビ) (TYPE/SIZE)
1090 1140	26" K DBL WILLSLOT 12-3/4 .312	0.050
1140 1150	26" X ASTM-135 12-3/4 .312	
1150   1210	26" K DBL MILLSLOT 12-3/4 .312	0.050 Well (World District

		7.	
— ATTACHMENTS (∠) —		ION/STATEMENT -	
Geologic Log     Well Construction Diagram     Geophysical Log(s)	I, the undersigned, certify that this report is completed in the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second		t of mỹ knowledge and belief.
Soil/Water Chemical Analyses	20 W. Kentucky Ave.	Woodland	CA 95695
Other	ADDRESS	10/1:	STATE ZIP 3/94 133783C57
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.	Signed WELL DRILLER/AUTHORIZED REPRESENTATIVE	DATE SIGNE	

23/26-/J/ 9-063 (December 1949)

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY WATER RESOURCES DIVISION

(Conflict in a Hacked)

1R

No. 23/26-17/

OTHER NOS. MOZE

## WELL LOG

State California County Tulare	Subarea Ducor - Famoso
Owner <u> </u>	T.D. = 1913 E
Location 0.49 miles N of sec. 110	e (= Ave 88) + 50 ft. W of Rd.
208	
Drilled by Hylton Drilling Co	Address 17th + Ist Bakersfield
Date 12-6-56 Casing diam.	Land-surf. alt. 410
	t dry rotary sormels Partial log rs, yield, and drawdown at end of log)
CORRELATION MATERI	IAL THICKNESS DEPTH (feet)

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
1030-1110	Land medium to work	80	
	Land, and along Land green	120	
	land medium to worse, some lank your day	40	
	land medicina to conser	20	
	they rand storte gacconich	100	
1390-1730	Land, fine to come	. 40	
	day lack - warm	20.	
	Land medium to conse	20	*******
	clay, dark green	20	******
	clay and, don't green	120	
Annual Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the	Sand, clayer to come	20	•
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	ing days to ever	10	
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1	Travel 2-8mm + Larle Tion -clay	40	
	Genul 2-8mm and some laste guen day sound	20	
	Cravel 2-8mn + Soule - seen lan	60	

RECORD BY Steare 1. Hilton DATE 12-6-56

SHEET ______OF /____

# 23/26-111

23/26-15/

23/26-151 Maze (Camp, 5.A.) #1 12-14-56 1830 St pipe, pers 1310-1830, 5ch/umber-5-160 get rap. to 2100 t 3 Mi w Terrabella 1/2 mi 5 on 208. 0-20 SUFF FM 20-46 Sd & Gravel 46-84 Soly brn clay 84-290 Bdy bin clay mpicher of al, 290-314 Touch self brown Lang 314-308 Step bein cong me total fred 378-370 Standed & Stand 390-600 84 dom clay - fathe And all 621-93- Ely blue Clay - fathe sol. 975-1015 ford sely the blue day & Shale. 1015-1129 Hard Martin afather of shale 1127-1350 Handada Clark 1350-1830 Styllelelley afstrecked od.

#### **ORIGINAL**

#### File with DWR

Notice of Intent No.__

Local Permit No. or Date_____

#### STATE OF CALIFORNIA

#### THE RESOURCES AGENCY

#### DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

Do not fill in

No. 085678 State Well No. 22/27-/6

(1) OWNER: Name Buttes Farmland Development	(12) WELL LOG: Total depth 1240. Depth of completed well 1240.
Address P. 0. Box 1206	from ft. to ft. Formation (Describe by color, character, size or material)
City Delano, CA Zip 93215	0 - 90 Sand
(2) LOCATION OF WELL (See instructions):	90 - 94 Gravel
County Tulare Owner's Well Number	94 - 237 Gravel
Well address if different from above	237 - 277 Gravel\
Township 22 Range 27 Section 16	277 - 338 Clay w/Sapa Streaks
Distance from cities, roads, railroads, fences, etc. 3/8 mile East of	338 - 399 Clay w/Gravel Streaks
Road 224 on South side of Ave. 128.	399 - 522 Clay w/Sand Streaks
	522 - 590 Blue\Clay
AVE/28	590 - 700 Blue Clay
(3) TYPE OF WORK:	700/2 770 Clay
New Well & Deepening	770 936 Sandy Clay
Reconstruction	936 - 1088 Sand W/Clay Streaks
Reconditioning	
<b>K</b> I	
	1106 - 1186 Coarse Sand & Clay
Destruction (Describe destruction materials and	1186 - 1240 Sand w/Shade Streaks
procedures in Item 127	
(4) PROPOSED ESE	
Domestic	
Irrigation	1-0 000 v
Industrial \	
Test Well 🗆	<u> </u>
Stock	
Municipal	-
WELL LOCATION SKETCH Other	P
(5) EQUIPMENT: (6) GRAVED PACK:	<u> </u>
Rotary A Reverse Reverse Size	
Cable	
Other Bucket Ricket from 0 to 1240 to	
(7) CASING INSTALLED: (8) PERFORATIONS:	
Steel X Plastic Concrete Type of perforation or size of screen	
	- 011/11/2 00:10
From To Dia. Case or From To Slot ft. St. wall ft.	UU AND AND AND AND AND AND AND AND AND AND
	- NAY MILE
0 1240 New 1/4" 800 1240 125x 2-1/2"	<u>Aria,</u>
(9) WELL SEAL:	
Was surface sanitary seal provided? Yes □ No X If yes, to depthft.	
Were strata sealed against pollution? Yes No X Intervalft_	Work started 11-5- 19.79 Completed 11-30-19.79
Method of sealing	
(10) WATER LEVELS:  Depth of first water, if known ft.	WELL DRILLER'S STATEMENT:  This well was drilled under my jurisdiction, and this report is true to the best of my
Standing level after well completionft.	knowledge and biffer
(11) WELL TESTS:	SIGNED A MANUACINETAL
Was well test made? Yes No If yes, by whom?	Whitten Pumps, Frc.
Type of test Pump Bailer Air lift Depth to water at start of testft. At end of testft	(Person, firm, or corporation) (Typed or printed)
Discharge gal/min after hours Water temperature	Address Rt. 1 Box 1101
•	City Delano, CA Zip 93215
Chemical analysis made? Yes \( \sigma\) No \( \mathbb{K}\) If yes, by whom?  Was electric log made? Yes \( \mathbb{M}\) No \( \sigma\) If yes, attach copy to this report	License No. 148282 Date of this report 3-34-80

*The free Adobe Reader may be used to view and complete this form. However, software must be purchased to complete, save, and reuse a saved form.

File Origin	iai with D	VVK			<b>147</b>		te of Calif		<u>.</u> ⊦	_		Use Only			
Page 1		of 4			W		npletic	n Repo	π	122		26			
Owner's V	Vell Num						e009453		- 1		- State	Well Num	ber/Sit	e Number	
			009	Date \	— Vork End	ed <u>5/20/</u>		•			atitude	IN		Longitude	
			e County En												
				Permit Dat								APN/TF	RS/Oth	ег	
			Geolog	ic Loa							Well (	Owner			
Orie	ntation	<b>⊙</b> Vertic			OAngle	Specify		Nama G	ill & Sons	Farm			<del></del>		
	lethod R				Drilling Fl						- 22				
Depth 1	rom Sur	face			ription	· · · · · ·		1 1 -	ddress 1					03202	
Feet	to Fe			ibe material,	grain size,	color, etc		City Del	ano				<u> CA</u>		
40	110		and Gravel				• .	<u> </u>				ocation			
110	150		and					Address	1/4 Mile	North of	Ave 11	<u>2 / 50' V</u>	Vest o	of Rd. 208	
150	190	Sa	and Gravel C	lay				City Pix	ley			Cour	nty <u>Tı</u>	ılare	
190	240	Sa	and Clay					Latitude			N	Longitud	le	w	
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290	360	· Sa	and Clay											mal Long	
360	400	CI	ay						k <u>302</u>					013	
400	1,120	) Sa	and Clay					Townshi	22S	Range	26E		Section	on <u>24 S</u>	
1120	1,270	) CI	ay							on Sket				Activity	
								(Sketch n	nust be drawn	by hand afte North	er form is pr		_	ew Well	
								11	WELL	1401a1				odification/Repair Deepen	
								11 \	×	AVE 112	>	/		Other	
				ı				11 \	- 62	FIOC III	-	/	OD	estroy	
							·	11 \	3	16	L /	′ . L	ur	escribe procedures and materials nder "GEOLOGIC LOG"	
	Planned Uses														
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								13.	·		/			Domestic Public	
		<del></del>					<u>San San San San San San San San San San </u>	Safet		**		East	V	Irrigation III Industrial	
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						95°04			\ /					est Well	
					<u> </u>	4.				South			_	apor Extraction	
					150	50 T		Illustrate or de rivers, etc. and	scribe distance d attach a map.	of well from roa Use additional	ids, buildings, paper if nece:	fences, ssary.	00	·	
					*			Please be acc	curate and com	plete.			- 11		
				4.			7		evel and		Comp	ietea vv			
								Depth to Depth to	first water	270			_ (Fee	et below surface)	
			-			1.5			evel <u>270</u>	)	(Feet	) Date I	Measu	ired 05/06/2009	
Total De	epth of B	orina	1270			Feet			ed Yield *					Constant Rate	
						_			ngth 12.0		,	•		lown 190 (Feet)	
rotal De	eptn of C	ompieted	d Well <u>1240</u>			Feet			t be repres		of a well'	s long ter	m yiel	ld	
				Casi	ngs							Annula	r Ma	terial	
	from	Borehole		Mater	iol	Wall	Outside	Screen	Slot Size		from			B	
	face o Feet	Diamete (Inches)	r			Thickness (Inches)	Diameter (Inches)	Type	if Any (Inches)		face to Feet	Fill		Description	
0	40	42	Conductor	A53 Grade I	3	.375	30			0	40	Cement		Annular Seal	
0	670	26	Blank	A53 Grade		.312	16			0		Filter Paci	k	4x16 SRI	
670	700	26	Ful Flo	Ful Flo A13	9	.312	16	Louver	0.080						
700	800	26	Standard Flo	SF A139		.312	16	Louver							
800	820	26	Ful Flo	Ful flo A139		.312	16	Louver	0.080						
820	840	26	Standard Flo	SF A139		.312	16	Louver .							
		Attach	ments					(	Certificat	on Stat	ement				
	Geologic				I, the un	dersigned	, certify th	at this report	is comple			the best	of my	knowledge and belief	
			Diagram		Name _	<u>Bakérsfie</u>	ld Well 8	<u>k Pump Co.</u>	•				<u> </u>	ε	
	Geophys		•		7212	Person, F Fruit <b>vale</b>	irm or Corpo Ave.	ration	Bak	ersfield		C	Α. 9	93308	
			cal Analyses			14	Address	1.		City		Sta	ate	Zip	
1	Other				Signed	CIET V	1 #	TAMA			7/13/20		40537		
	itional infor		exists.		<u> </u>			Well Bolitactor	NOTO: IT		Date Sig	ned C-	-5/ LIC	cense Number	
DWR 188	REV. 1/200	5			IF ADDITIO	DNAL SPACE	IS NEEDEC	, USE NEXT CO	NSECUTIVE	Y NUMBER	ED FORM				

*The free Adobe Reader may be used to view and complete this form. However, software must be purchased to complete, save, and reuse a saved form. File Original with DWR State of California DWR Use Only - Do Not Fill In **Well Completion Report** 1216151-1214 Page 2 of 4 Refer to Instruction Pamphlet
No. e0094537 Owner's Well Number #2 W Date Work Began 03/28/2009 Date Work Ended 5/20/2009 Latitude Longitude Local Permit Agency Tulare County Environmental Health Services Permit Number 09-138 ____ Permit Date 3/16/09 Geologic Log Well Owner O Horizontal OAngle Specify Name Gill & Sons Farm Drilling Method Reverse Rotary Drilling Fluid Polybore Mailing Address 16964 Ave 32 **Depth from Surface** Description City Delano State CA Describe material, grain size, color, etc to Feet Feet 40 110 Sand Gravel Well Location 110 150 Sand Address 1/4 Mile North of Ave 112 / 50' West of Rd. 208 Sand Gravel Clav 150 190 City Pixley _ County Tulare 190 240 Sand Clay Latitude N Longitude Min. Dea. 240 290 Sand Sec Decimal Lat. Decimal Long. 290 360 Sand Clay APN Book 302 400 Page 280 Parcel 013 360 Clay Section 24 S Township 22S Range <u>26E</u> 400 1.120 Sand Clay 1120 Location Sketch Activity 1,270 Clay (Sketch must be drawn by hand after form is printed.) New Well North O Modification/Repair O Deepen Other_ O Destroy Describe procedures and materials under "GEOLOGIC LOG" **Planned Uses** Water Supply ☐ Domestic ☐ Public ☑ Irrigation ☐ Industrial O Cathodic Protection Dewatering O Heat Exchange O Injection O Monitorina O Remediation O Sparging O Test Well O Vapor Extraction ilustrate or describe distance of well from roads, buildings, fences, ivers, etc. and attach a map. Use additional paper if necessary. O Other Water Level and Yield of Completed Well Depth to first water 270 (Feet below surface) Depth to Static Water Level 270 (Feet) Date Measured <u>05/06/2009</u> Total Depth of Boring Estimated Yield * 2,600 (GPM) Test Type Constant Rate 1270 Feet Test Length 12.0 (Hours) Total Drawdown 190 (Feet) Total Depth of Completed Well 1240 Feet *May not be representative of a well's long term yield. Casings Annular Material Depth from Borehole Wall Outside Depth from Screen Slot Size Material Type Surface Diameter Thickness Diameter Fill Description Type if Anv Surface Feet to Feet Feet to Feet (Inches) (Inches) (Inches) (inches) 840 0.080 900 26 Ful Flo Ful Flo A139 .312 16 Louver 40 Cement Annular Seal 900 910 26 Standard Flo SF A139 .312 16 Louver 1.270 Filter Pack 4x16 SRI 910 930 26 Ful Flo Ful Flo A139 .312 16 Louver 0.080 930 950 26 SF A139 Louver Standard Flo .312 16 950 990 26 Ful Flo Ful flo A139 .312 16 0.080 Louver 990 1.030 26 Standard Flo SF A139 .312 Louver 16 **Attachments Certification Statement** I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief ☐ Geologic Log Name Bakersfield Well & Pump Co ☐ Well Construction Diagram Person, Firm or Corporation
7212 Fruitvale Ave ☐ Geophysical Log(s) ☐ Soil/Water Chemical Analyses ☐ Other Signed 7/13/2009 440537 57 Licensed Water Well Contractor ttach additional information, if it exists Date Signed C-57 License Number

DWR 188 REV. 1/2006 IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

3/5

*The free Adobe Reader may be used to view and complete this form. However, software must be purchased to complete, save, and reuse a saved form. State of California File Original with DWR DWR Use Only - Do Not Fill In **Well Completion Report** Page 3 Refer to Instruction Pamphlet Owner's Well Number #2 No. e0094537 W Date Work Began 03/28/2009 Date Work Ended 5/20/2009 Longitude Local Permit Agency Tulare County Environmental Health Services APN/TRS/Other Permit Number 09-138 _____ Permit Date 3/16/09 Geologic Log Well Owner O Horizontal OAngle Specify Name Gill & Sons Farm Drilling Fluid Polybore Drilling Method Reverse Rotary Mailing Address 16964 Ave 32 Depth from Surface Description City Delano State CA Describe material, grain size, color, etc to Feet 40 110 Sand Gravel **Well Location** 110 150 Sand Address 1/4 Mile North of Ave 112 / 50' West of Rd. 208 150 190 Sand Gravel Clay City Pixley County Tulare N Longitude _____ 190 240 Sand Clay Latitude _ Min 240 290 Sand _ Decimal Lat. Decimal Long. 290 360 Sand Clay Parcel 013 APN Book 302 ___ Page <u>280</u> 400 360 Clay Section 24 S Township 22S Range 26E 400 1,120 Sand Clay Location Sketch Activity 1120 1,270 Clay (Sketch must be drawn by hand after form is printed.) New Well North O Modification/Repair O Deepen O Other_ O Destroy Describe procedures and under "GEOLOGIC LOG" **Planned Uses** Water Supply ☐ Domestic ☐ Public ✓ Irrigation ☐ Industrial O Cathodic Protection O Dewatering O Heat Exchange O Injection O Monitorina O Remediation O Sparging O Test Well O Vapor Extraction Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. O Other Water Level and Yield of Completed Well Depth to first water 270 (Feet below surface) Depth to Static Water Level 270 (Feet) Date Measured 05/06/2009 Estimated Yield * 2,600 (GPM) Test Type Constant Rate Total Depth of Boring 1270 Feet Test Length 12.0 (Hours) Total Drawdown 190 (Feet) Total Depth of Completed Well 1240 Feet *May not be representative of a well's long term yield. **Annular Material** Casings Depth from Borehole Wall Outside Screen Slot Size Depth from Type Material Fill Description Thickness Diameter Surface Diameter Type if Anv Surface (Inches) Feet to Feet Feet to Feet (Inches) (Inches) (Inches) Annular Seal 1,030 1,060 26 Ful Flo Ful Flo A139 .312 16 Louver 0.080 40 Cement 4x16 SRI 1.060 1.110 26 Standard Flo SF A139 .312 16 Louver 1.270 Filter Pack 0.080 1,110 1,130 26 Ful Flo Ful Flo A139 .312 16 Louver Louver 1,130 1,145 26 Standard Flo SF A139 .312 16 Ful Flo Ful flo A139 .312 Louver 0.080 1,145 | 1,170 26 16 Standard Flo SF A139 1,170 | 1,200 | 26 .312 16 Louver Attachments **Certification Statement** I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief Geologic Log Name Bakersfield Well & Pump Co. ☐ Well Construction Diagram Person, Firm or Corporation ☐ Geophysical Log(s) 7212 Fruitvale Ave. ☐ Soil/Water Chemical Analyses Address Signed 7/13/2009 440537 ☐ Other . C-57 Licensed Water Well Contractor Date Signed C-57 License Number Attach additional information, if it exists.

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

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*The free Adobe Reader may be used to view and complete this form. However, software must be purchased to complete, save, and reuse a saved form. File Original with DWR State of California DWR Use Only - Do Not Fill In **Well Completion Report** Page 4 __ of 4 Refer to Instruction Pamphlet Owner's Well Number #2 No. e0094537 W Date Work Began 03/28/2009 Date Work Ended 5/20/2009 Longitude Local Permit Agency Tulare County Environmental Health Services Permit Number 09-138 Permit Date 3/16/09 Geologic Log Well Owner O Horizontal **O**Angle Name Gill & Sons Farm Drilling Fluid Polybore Drilling Method Reverse Rotary Mailing Address 16964 Ave 32 Depth from Surface Description City Delano 93292 State CA Describe material, grain size, color, etc to Feet 110 40 Sand Gravel **Well Location** 150 110 Sand Address 1/4 Mile North of Ave 112 / 50' West of Rd. 208 150 190 Sand Gravel Clay City Pixley __County Tulare N Longitude ______ Deg. Min. 190 240 Sand Clay Latitude Deg. Min. Sec. 240 290 Sand Decimal Lat._ Decimal Long._ 290 360 Sand Clay APN Book 302 __ Page <u>280</u> Parcel 013 360 400 Clay Township 22S Section 24 S __ Range <u>26E</u> 400 1,120 Sand Clay 1120 1,270 Clay **Location Sketch** Activity (Sketch must be drawn by hand after form is printed.) New Well O Modification/Repair O Deepen
O Other_ O Destroy Describe procedures and materials under "GEOLOGIC LOG" Planned Uses Water Supply ☐Domestic ☐Public ✓ Irrigation ☐ Industrial O Cathodic Protection O Dewatering O Heat Exchange O Injection O Monitorina O Remediation O Sparging O Test Well O Vapor Extraction O Other Water Level and Yield of Completed Well Depth to first water 270 (Feet below surface) Depth to Static Water Level 270 (Feet) Date Measured 05/06/2009 Estimated Yield * 2,600 __ (GPM) Test Type Constant Rate Total Depth of Boring 1270 Feet Test Length 12.0 (Hours) Total Drawdown 190 (Feet) Total Depth of Completed Well 1240 Feet *May not be representative of a well's long term yield. Annular Material Casings Depth from Wall Borehole Outside Screen Slot Size Depth from Type Material Surface Diameter Thickness Diameter Type if Any Surface Description Feet to Feet (Inches) (Inches) (Inches) (Inches) Feet to Feet 1,200 | 1,220 Ful Flo Louver Annular Seal 26 40 Cement .312 16 Ful Flo A139 n 4x16 SRI 1,220 1,240 1,270 | Filter Pack 26 Blank A53 Grade B .312 0 16 **Attachments Certification Statement** l, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief Name Bakersfield Well & Pump Co. ☐ Geologic Log ☐ Well Construction Diagram Person, Firm or Corporation ☐ Geophysical Log(s) 7212 Fruitvale Ave Bakersfield ☐ Soil/Water Chemical Analyses Signed 7/13/2009 440537 ☐ Other ttach additional information, if it exists. Date Signed C-57 License Number

DWR 188 REV. 1/2006

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

# File Original, Duplicate and Triplicate with the

WATER WELL DRILLERS REPORT

Do Not Fill In NO 118740

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REGIONAL WATER POLLUTION

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~~~*	TTOAT	THE A PART	2		,
CUN	TKUJI.	BOARD	NO.		
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	1.00%		37747.29	4.5	٠
/ I wear	ahhenke	Lada maran har t	1.0	4.0	

THE RESOURCES AGENCY OF CALIFORNIA

State Well No. 2	110	75	34
Other Well No			

(1) OWNER: Name Buena Vista Orchards	(11) WELL LOG:
. 141110	Total depth 1750 ft. Depth of completed well 1750 ft.
Address P.O. Box 1458	Formation: Describe by color, character, size of material, and structure. Oft. to 9 ft. top Soil
McFarland, Calif. 93250	9 " 127 " sand
(2) LOCATION OF WELL:	127 " 409 " sandy clay
County Kern Owner's number, if any-	409 " 564 " clay
R. F. D. or Street No. & Mile East of Hwy 65 and	
المعابدة كالمستهم ومعروما ومأرجه ليسرحه لاست ومعاربه ومنوسي والمستوان ومروب ويروب ويسرون والمروب والمروب	740 " 743 " sand
mile North of Ave. 2	743 " 881 " blue clay
	881 " 943 " sandy clay
	943 " 1066 " hard shale
	1066 1220 sandy clay
(3) TYPE OF WORK (check):	1220 " 1370 " blue shale
New well 🛣 Deepening 🔲 Reconditioning 🔲 Abandon	
If abandonment, describe material and procedure in Item 11.	1441 - 1565 - hard shale
(4) PROPOSED USE (check): (5) EQUIPMEN	
Irrigation 🖫 Test Well 🗌 Other 🔲 📗 Dug Well] 등 하게 되면 되었습니다. 생각이 되면 바람에 어려워 하는 이 전에 가장 바라 보다는 하는 사람들은 지수는 사람들이 그는 사람들은 사용이 되었습니다. 그 것은 그는 사람들은 사람들은 사람들은
(6) CASING INSTALLED: If gravel packed	
BINGLE TOUBLE C	
From O fe. to 1250 ft 14 biam. 1" wall of Bore 25 ft.	
top to bott	om
	ander 1900 in the Medical Market in the Common Medical Medical Common Medical Common Medical Common Medical Me
Type and size of shoe or well ring	
Describe joint collar w/ fillet weld	Weter Code Sec. 137.59
(7) PERFORATIONS:	
Type of perforator used machine	
Size of perforations • 125 x Z in length, by 6 CC	in.
From 600ti, to 1750 ft. 2 Perf. per row 14 Rows	
The state of the s	
(8) CONSTRUCTION:	
Was a surface sanitary seal provided? Yes X No To what depth	(n.)
Were any strata scaled against pollution? Tyes & No If yes, note depth of strata	
From ft. to ft.	
Method of Sealing	Work started 12-28-68 19 , Completed 1-15-68 19
(9) WATER LEVELS:	WELL DRILLER'S STATEMENT:
Depth at which water was first found unknown	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Standing level before perforating	The state of December 1
Standing level after perforating	ft. NAME WILTEN PUMPS, INC. (Person, firm, or corporation) (Typed or printed)
	Address 1744/Inyo St.
(10) WELL TESTS:	Delano, Caláic, 83215
Was a pump test made? [] Yes M No If yes, by whom?	
Yielde: b gal./min. with the ft. draw.down after	hri. [Signed] Well Deiller
Temperature of water Was a chemical analysis made? Yes X No	License No. 148282 Dated 10-23-68 19
	The second state of the second

ORIGINAL . File Original, Duplicate and Triplicate with the

REGIONAL WATER POLLUTION

CONTROL BOARD No. 5

TER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

LOCATION NOT CHECKED

 N_{0} 60087

State Well	No						
Other Well				ير الرس	-		/
Other Well	l No	and the same	$\supset J_{-a}$	6. 1		Dr.	

Name Lanza Vineyards		Total dansk		Depth of completed well 1824
Address P.O. Box 397				Depth of completed well 1824.
		O ft.		Sandy Top Soil
Delano, Calif.		86	196 "	Sandy Clay
(2) LOCATION OF WELL:		<u> 196 "</u>	200 "	Hard Sand
County Tulare Owner's number, if any-		200	<u> 285 "</u>	Sandy Clay
R. F. D. or Street No.		<u> 285 "</u>	302 "	Hard Sand
1/4 mile North of Ave. 10	5	<u> 302 "</u>	460 "	Sandy Clay
3/8 mile East of Rd. 216		460	500 "	Sandy Clay
		<u> 500 "</u>	540	Hard Clay
engen sampatatatatun engeneratur (n. 1881). Propinsi ku		<u> 540 "</u>	543 " 620 "	Sand
(3) TYPE OF WORK (check):		<u>543 </u>	640 "	Hard Clay Hard Shale
New well 💆 Deepening 🗆 Reconditionin	ne □ Abandon □	640 "	723	Hard Clay
If abandonment, describe material and procedure in Item 1	· · · · · · · · · · · · · · · · · · ·	723	763	Shale
(4) PROPOSED USE (check):		763	840 "	Blue Clav
그리는 아이에 가고 다른 사람들이 살아왔다면 하는 사람이 되었다. 이 지원 등에 가는 사람이 되었다.		840	843	Sand
Domestic Industrial Municipal	Rotary X Cable	843	1042 "	
Irrigation [X Test Well [Other [Dug Well	1042	1105"	Shale
		1105	1125 "	Soft Clav
(6) CASING INSTALLED:	If gravel packed	1125 "	1140	Shale
SINGLE DOUBLE Gage Diam	ieter from to	1140	1230	Blue Clay
From (c. to. ft. Diam. Wall of E	ore 26 34/411 to	1230	1233 "	Sand
		1233 "	1275	Blue Shale
1,824 ft. 14" t single To	op to bottom	1275 "	1295	Hard Shale
		1295 "	1450	Clay
		1450 "	1452	Hard Shale
		1452	1481	Clay
	of gravels 3/811	1481 "	1 <i>5</i> 1 <i>5</i> "	Hard Shale
Describe joins Butt welded		<u> 1515 "</u>	1526	Clay
(7) PERFORATIONS:		1526 "	1570 "	Hard Shale
Type of perforator used Machine		<u> 1570 "</u>	1574"	Sand
The state of the s		1574 "	1616	Hard Shale
Size of perforations 1/8 X 1.CC in., length, From ft. to ft. Perf. per re	The state of the s	<u> 1010</u>	1626	Sand
21	· · · · · · · · · · · · · · · · · · ·	1626 "	<u> 1636 "</u>	Shale
		<u> 1636 "</u>	1691 "	Clay & Shale
648 ft. to 1824 ft.		1691 "	<u> 1739 "</u>	Sand
	14 14 14	<u> 1739 </u>	1824"	Hard Shale
		16	1	
(8) CONSTRUCTION:		10	1 gon	
Was a surface sanitary seal provided? Yes No To what d	epth ft.		Section	7075 HT 141
Were any strata sealed against pollution? [] Yes X No If yes, t	ore depth of strata	24	-	Mater Cole
From ft. to ft.		•*	11	9018
***		14	**	
Method of Sealing		Work started 7	2/26/59	19 . Completed 7/27/60 19
		WELL DELLI	ER'S STATEMEN	r.
(9) WATER LEVELS:		The second secon	the second secon	it; i jurisdiction and this report is true to the best
Depth as which water was first found not known	ſŧ,	my knowledge a		
Standing level before perforating	ſt.	name W	nitten Pu	mps, Inc.
Standing level after perforating	ft.		(Person, firm, or c	orperation) (Typed or printed)
(10) WITH TERRITO			744 High	
(10) WELL TESTS:	İ	D	elano/Ca	lif.////
Was a pump test made? Tes Yes You If yes, by whom?		[SIGNED]	MAIL	elle type
	raw down stier hraz		11 dada	Well Deller / 7-/5-6
A CHARLES AND A CONTRACT OF THE PARTY OF THE	mader 🔲 Yes 🔯 No	License No	L48282	Dated, 1926
Was alartic los made of wells III Yes IN No	지나 일본 이 활동성은 현실 이 얼룩된	[1984] 人名英格兰克 经基础	化化物化物 化电影性 医肾盂炎	어린 사건 전문 전문 유민들의 연락을 하고 들어 보고 등을 들었습니다. 중 시간 등록 하다 되었다.

*The free A	dobe Rea	der m	ay be	used to view a	and complete	this form. H	owever,	software mu	st be purcha	sed to compl	ete, save,	and reuse	a saved f	orm.	
File Origin	al with D	WR					Sta	ate of Calif	ornia	1		DW	/R Use Or	ıly – Do	Not Fill In
_ 1		_	^			We	II Co	mpletic	on Rep	ort	123	5/32	74-	134	/
Page 1	Jall Missa							to Instruction	Pamphlet	1		Stat	<u>e Well N</u> u	mber/Si	te Number
Owner's V Date Work					Date	 Work Ende		e059519				Latitude	_ N		Longitude
				County Environ	_						1	Latitude		1 1	Loligitude
Permit Nu						te 5/23/07							APN/	TRS/Oth	ner
		•		Geolog	gic Log		3500000		3 22 08 33		912000000	Well	Owner	Sagorian)	
	ntation					OAngle	Specif		Name	J	AY, LLC				
	lethod Dir			_		Drilling Flui	d Bento	onite mud		Address 5		rnia Aven	ue Suite (910	
	rom Sur					ription			City	_	akersfield			ate CA	Zip 93309
Feet 0	to Fe	et	Daill	Desc conductor	ribe material,	grain size, co	olor, etc		Oity _		TEASTER STATES		ocation		
32	115			to coarse san	ıd.				1		04045-4-	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.ocalioi	Degroppis	(katruus (fistin ugmy (kgras) MagsKas VOI
115	125		-	fine to coarse		lav			71	s Hwy 56 & Ducor	240ui, i i	IIIIe SW		. T	ulare
125	135		 -	rse sand with		,			- City —		FO 1		press	unty <u>T</u>	
135	155		-	to coarse san					Latitud	e <u>35</u> Deg.	52 <u>5</u> Min.	51 Sec,	N Longiti	10e <u>11</u>	9 2 37 W Deg, Min. Sec.
155	186		-	to coarse san		clav		-	Datum	WGS84				Deci	imal Long
186	245		-	ine to medium					APN B	ook_321	Page	e <u>160</u>			el <u>009</u>
245	330		-	brown and wh		-	 I		Towns	nip <u>23\$</u>	Rang	e <u>27E</u>	Astronous P	Secti	ion <u>34</u>
330	345		├	brown clay, 4							ion Ske		July (SEE SE		Activity
345	350		1	vn clay					(Sketci	n must be drawn		fter form is p	orinted.)		ew Well
350	370		_	brown clay, 3	0%fine to me	dium sand			┧├──	.08805	North		- 5er		lodification/Repair Deepen
370	470			brown clay, 2					1		Av	enue 5	6		Other
470	483		+	white and bro			um sand		11 🐗			Į.		ΟĎ	estroy
483	493		_	white and bro							4.04			u	Describe procedures and materials inder "GEOLOGIC LOG"
493	503			fine to mediu				a di			<i>(</i> \$50 :	fence	<i>4</i>		Planned Uses
503	535			blue & brown		-	./Sid.			98 <1	/a	o st ille			Vater Supply
535	567		_	and brown cla			ne sand	A. 1]	e sec	tion «		st	_	Domestic Public
567	785		_	blue and brov	-		.ef		West	peo lir	ie .	19. P	East		Irrigation Industrial
785	816		Haro	blue and bro	wn clay with s	ome sand	1838	1864		§ / №	Ps da				athodic Protection ewatering
816	878		90%	blue-green sh	nale and fine	sand	1882			/ l 8	O. 1	vell			leat Exchange
878	888		80%	blue clay and	shale with so	me fine sand	d 👯	Dec. 1817		/ 1:	O s	ite			njection
888	898		90%	clay and hard	d shale with fi	ne to medium	sand			/				Ом	lonitoring
898	970		Clay	and hard sha	ile					/ 000 / 000d	`1/4 s	ection	ı line	∥ ♀ ′`	temediation
970	1,006		Clay	and hard sha	le with some	fine sand	74.0			00000	chard				parging est Well
1006	1,038		80%	blue clay with	n shale and fir	ne sand 💮	SS.	To.] <u> </u>	00000	South				apor Extraction
1038	1,058		70%	blue clay and	l shale with fir	ne to medium		1480	rivers, etc.	describe distance and attach a map.	Use additiona	oads, buildings al paper if nece	i, fences, essary.		Other
1058	1,100		80%	blue clay and	l shale with fir	ne sand	.65.	Į.		accurate and com				<u> </u>	
1100	1,110		60%	clay and shal	le, 40% fine to	coarse sand	i _{esse} i	Ŷ.		Level and		or Comp	oletea v		- h
1110	1,130		Blue	clay and shal	le with some	ine sand	ľ ď	* ** -5.		to first wate to Static	511			_ (Fee	et below surface)
		300		級	1200	4.6	Waxani	<u> </u>		Level <u>511</u>		(Fee	t) Date	Meası	ured 09/25/2007
Total De	pth of B	oring		1832			Feet		11	ted Yield *	2,000				Constant Rate
Total De	epth of C	 omple	eted \	//el 1800		47.Pb."	Feet			ength <u>8.0</u>			ırs) Total		
	100			No.	79%	ya⊢ "p⊘			*May r	ot be repre	sentative	of a well			
D 11	•			100	Cas	ings	107-11	0.4.1	•	01-4-01-	<u> </u>	u. e	Annu	ar Ma	terial
Depth Surf		Bore Diam		Type	Mate	ial Th	Wall nickness	Outside Diameter	Screen Type	Slot Size if Any		h from rface	Fi	ill	Description
Feet to		(Inch	nes)		T		Inches)	(Inches)	1	(Inches)		to Feet	T.C		140
0	20 160	36 26		Conductor	A53B A53B		75 75	30 16			0 150	150 1,832	Cement Filter Pa		10-sack 1/4 x 10 Gravel
	760	26	- 500	Solid Solid	A53B		12	16		-	130	1,002	T III.CI T a	<u> </u>	174 x 10 Glavel
	880		<u> </u>	Perforated	A53B		12	16	Millslot	0.070			 		
	1,000	26	SIL.	Perforated	A53B		12	16	Millslot	0.070					
1,000	1,260	26	× (0)	Perforated	A53B	.3	12	16	Millslot	0.040	1				
Kartar	e kantika	Atta	chm	ents			SAMMEN.		. Paret	Certificat	ion Sta	tement		20.967	
	Geologic								at this repo					st of my	knowledge and belief
	Vell Con		ion E	Diagram		Name Ro	ttman D			· · · · · ·					
	Geophysi					464		Division Stree		Lanc					93535-5906
		r Che	emica	al Analyses		Signed 4	MA	Address	W 200	141	City	10/26		state 316599	Zip
Attach addi	Other	nation.	if it exi	sts.		J 0.91100 -			Well Contracto	The state of the s		Date Si			cense Number

*The free A	Adobe Rea	der m	ay be	used to view a	and complete	this form. Ho	wever, s	software m	ust be purcha	sed to compl	ete, save, a	and reuse	a saved for	rm.	2/
File Origir	nal with E	WR					Sta	ate of Cali	fornia		38,78,43	DΨ	R Use Only	– Do I	Not Fill In
D 2		o.f	2			Well			on Rep	ort	239	5/2	76-	34	
Page 2 Owner's \	Moll Nur							to Instruction e059520	Pamphiet			State	<u>É Well N</u> um	ber/8it	e Number
Date Wor		_	_		Date	— Work Ended						 _atitude	N		Longitude
				County Environ				-				- Latitude	ī	1 1	1 1 1 1
Permit Nu						te <u>5/23/07</u>			, , ,				APN/TR	(S/Oth	er
ere ere				Geolog	ic Log					1.033		Well	Owner		
Orie	ntation	O V	ertica	l O Horiz		OAngle	Specify	y	Name		AY, LLC				
Drilling N	/lethod_Di	rect Ro				Drilling Fluid	Bento	nite mud		Address _5	060 Califor	nia Aveni	re, Suite 91	0	
Depth Feet	from Su			Desci		cription grain size, col	or etc		City _	_	akersfield			CA	Zip 93309
1,130	1,200			clay and shale					1000000			Well L	ocation		
1,200	1,210		Blue	clay, 30% fine	to medium s	and			Addres	s Hwy 56 &	240th, 1 m	ile SW	74.		
1210	1,240		blue	clay, shale, ar	nd some fine	sand			City _	Ducor			Cour	nty Tu	ulare
1240	1,290		Fie f	o medium san	d with some	ay			Latitud	e 35	52 5	1	v Longitud		
1290	1,330		Blue	clay with som	e sand	•			11	Deg.	Min.				
1330	1,400		Grey	/-blue clay and	shale				Datum	WGS84	Decimal				mal Long
1400	1,440		Fine	to coarse san	d with some	clay			11	ook <u>321</u>	Page	160	<u> </u>		el _009
1440	1,452		70%	clay with fine	to medium sa	ınd			Towns	hip <u>238</u>	Range	27E	Waren 1	Section	on <u>34</u>
1452	1,534		Fine	to coarse san	d, 30%clay						ion Ske				Activity
1534	1,630		Fine	to coarse san	d, 30%clay w	ith some silt			(Sketc	h must be drawi	n by nand att North	er form is p	1		ew Well odification/Repair
1630	1,693	_	Fine	to coarse san	d with some	clay and silt				4888	7.00 See	319	- 1		Deepen
1693	1,724		Fine	sand with son	ne silty clay							r A	ia la	C	Other
1724	1,755		Fine	to coarse san	d with silty bl	ue-green clay				ä.		400.0		O De	estroy escribe procedures and materials nder "GEOLOGIC LOG"
1755	1,774		Blue	-green silty cla	y with shale	and fine sand					anier		}		****
1774	1,786		Coa	rse sand with I	nard silty clay			ś		***		nous.			Planned Uses
1786	1,817		Har	d blue clay with	a little sand	or shale	silka.	j j		À.	No.	Maga Siste			/ater Supply Domestic
1817	1,832		Har	d blue clay			7488	Site.	West				East		Irrigation Industrial
									∐∐Š∵	SE	E PAGE				athodic Protection
									<u>u. </u>	4. Lø	y Ž		1	_	ewatering
						. 4	188							O H	eat Exchange
					3		740	8a							jection
							Qu.							_	onitoring
						X	1000	S.		ľ			1	-	emediation parging
										jir"					parging est Well
			_		30.00			W.			South			_	apor Extraction
					200	100		-50-	rivers, etc.	describe distance and attach a map. accurate and con	Use additional		s, tences, essary.	0 0	
							-66			Level and	*	f Comr	Jeted W	الم	
				100 TO See.	****			<u> </u>		to first wate		i Goint	JICICA III		et below surface)
<u> </u>			ļ					<u> </u>		to Static	1 311			- `	,
		476	<u> </u>		100	40 <i>//</i> "	Tongs	¥ 		Level <u>511</u>		(Fee	,		red 09/25/2007
Total D	epth of B	oring		1,832	- 100 mm		Feet			ted Yield *	2,000				Constant Rate
Total D	epth of C	omple	eted '	Well 1800			Feet			ength <u>8.0</u>			rs) Total [
Signal Association of the State	9636. Significant (1957)	A 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C2/303/306/	No.	(a)	185 /9	Ja Darbon terse kirj	RANGE STATE OF THE	[IVIAY I	lot be repre	senialive	oi a weii			d. PL 537
Denti	from	Borel	holo		A. 10A 940	ings	Nall	Outside	Screen	Slot Size	Denti	from	Annula	r iviai	teriai
Sur	face	Diam	eter	Type	Mate	^{nai} Thi	ckness	Diameter		if Any	Sur	face	Fill		Description
1,260	o Feet 1,500	(Inčř 26	ies)	Perforated		(lr .31	nches)	(Inches) 16	Millslot	(Inches) 0.080	Feet 1	5 Feet 150	Cement		10-sack
1,500	1,740	26		Perforated	A53B A53B	.31		16	Millslot	0.070	150	1,832	Filter Pack	,	1/4 x 10 Gravel
1,000	1,140		ej jeft	·	,,,,,,			1.0	- Inninoist	- 0.0.0	∦	1,002	1		
<u> </u>		į.	<u> </u>								1				
		*9	Ā.	A T											
			1000	75.7°											
		Atta	chm	ents			i de la comp			Certificat	ion Stat	ement	Ziru:		
	Geologic	Log				I, the under	rsigned	d, certify t	hat this repo					of my	knowledge and belief
	Well Cor	struct		_		Name Rott		rilling Co. Firm or Corp	oration						
	Geophys					46471 N. D	ivision	Street		Lanc			<u>CA</u>		93535-5906
	Soil/Wat Other	er Che	emica	al Analyses		Signed a		Address	PU.	·	City	10/26	Sta 31	te 6599	Zip
	Otner itional infon	nation,	if it exi	sts.				ensed Water	Well Contracto	ır .	'	Date Sig			cense Number

ORIGINAL File with DWR

STATE OF CALIFORNIA

WELL COMPLETION REPORT

	$M_{\rm a} \cap \Omega \Omega$
	No. 092
_	_

25804

8-20-04 __ , Ended _ Date Work Began Tulare County Environmental Health Local Permit Agency

Permit No. <u>5400542</u> Permit Date <u>5-19-04</u> LATITUDE LONGITUDE APN/TRS/OTHER

Permit No	GEOLOGIC LOG	WELL OWNER —	
		Name Ducor Community Services Dist	
ORIENTATION (소)	X VERTICAL HORIZONTAL ANGLE (SPECIFY)		
DEPTH FROM	DRILLING Reverse Circulation FLUID Poly Bore	Mailing Address P.O.Box 137 Ducor CA	93218
SURFACE	DESCRIPTION	CITY	STATE ZIP
Ft. to Ft.	Describe material, grain size, color, etc.	WELL LOCATION	Was Bradly
:0 60	Clay & Gravel	Address HMM2 Not 400 56 15	no es biseria
60 200	Sand & Clay	City Ducor	<u> </u>
200 240	Sand & Little Clay	County Tulare	-
240 370	Sand & Grey Clay	APN Book 321 Page 080 Parcel 025	
370 380	Clay & Little Sand	Township 23 Range 27E Section 27	7
380 390	Green Clay & Sand	Deg. MIN. SEC. Deg DE	G, MIN, SEC.
390 400	Clay & Little Sand	DEG. MIN. SEC. DE	ACTIVITY (\(\perceq\))
400 410	Sand & Clay	NORTH —	X NEW WELL
410 440	Green Clay & Sand	0	MODIFICATION/REPAIR
440 540	Green Clay & Fine Sand		Deepen Other (Specify)
540 550	Green Clay Sand & Little Rock	100 X \ 1	Other (Specify)
550 930	Sand & Grey Clay		DESTROY (Describe
930 940	Grey Clay	75 11,	Procedures and Materials mile Under "GEOLOGIC LOG",
940 960	Fine Sand & Grey Clay	1	Vuses (∠)
960 1000	Sand Grey Clay & Shell	3 /	WATER SUPPLY
	Sand & Grey Clay		Domestic _x_ Public Industrial
		MEST.	MONITORING
	Sand Grey Clay & Little Rock Sand & Grey Clay	S	TEST WELL
	Sand Shell & Grey Clay	1 . 1	CATHODIC PROTECTION
1230 1270		Ave 56 H	HEAT EXCHANGE
	Fine Sand & Shell , Grey Clay		DIRECT PUSH
		1	INJECTION VAPOR EXTRACTION
	Fine Sand & Grey Clay	HW/E	SPARGING
	Grey Clay	SOUTH —	REMEDIATION
- '	Fine Sand & Grey Clay	Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if	OTHER (SPECIFY)
1460 1500	Grey Clay	necessary. PLEASE BE ACCURATE & COMPLETE.	
- I	1	WATER LEVEL & YIELD OF COMPI	LETED WELL
1	<u> </u>	DEPTH TO FIRST WATER 502 (Ft.) BELOW SURFACE	E
1	1	- BERTH OF STATIO	
1	1		
1	1	ESTIMATED YIELD * 550 (GPM) & TEST TYPE C	onstant/ Flowmeter
TOTAL DEPTH O	F BORING 1425 (Feet)	(****)	
TOTAL DEPTH O	F COMPLETED WELL 1405 (Feet)	* May not be representative of a well's long-term yield.	

D	EPTH	BORE-					CASING (S)			EPTH		ANN		MATERIAL
FROM	SURFACE	HOLE	Т	「YPE(エ))				FROM	FROM SURFACE		,	TY	PE
Ft.	to Ft,	DIA. (Inches)	BLANK	SCREEN	DUCTOR	MATERIAL / GRADE	INTERNAL DIAMETER (inches)		SLOT SIZE IF ANY (Inches)	Ft.	to Ft.	CE- MENT (ど)	BEN- TONITE (二)	FILL (<u></u> ン)	FILTER PACK (TYPE/SIZE)
0	50	42			х	ASTM 139	30	5/16		0	995	x			
+2	1015	2.6	x			ASTM A 606	14	5/1.6		995	1000		x		
1015	1035	26	x			ASTM A 606	14	5/16	Comp Section	<u>n 1000</u>	1425		ļ		6x16
1035	1385	26		x		A 606 Ful	Flo 14	5/16	.060		i				CCSI
1385	1405	26	Х			ASTM A 606	14	5/16	_		1				
+2	1010	26				x A53 Grade	В 3	Sch.40			1				

ATTACHMENTS (\(\perceq\))
Geologic Log
Well Construction Diagram
Geophysical Log(s)
Soil/Water Chemical Analyses
Other
ATTACK ADDITIONAL INFORMATION IF IT EVICTO

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

NAME Bakersfield Well & Pump Co. (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED:

Bakersfield 93308 STATE

> 11-11-04 DATE SIGNED

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

440537

ZIP

File Original, Duplicate and Triplicate with the

REGIONAL WATER POLLUTION

CONTROL BOARD No....

DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

•		α	Δ	Ti						University (
ì	*	V.		1 11	JI	4	YU		ECY	(ED)
	(1) (1)	3.7								

State Well No	1981
Other Well No. Z	

(1) OWNER:	(11) WELL LOG:
Name Guimarra Vineyards Co.	Total depth 1817! ft. Depth of completed well 1610
Address P. O. Box 1653	Formation: Describe by color, character, size of material, and structure.
Bakersfield, Celif.	O) fire 15 to Surface
	= 15 " 130" Sand with strs of clay
(2) LOCATION OF WELL:	130 360 Sandy brown clay
County Tulare Owner's number, if any- 5	360 460 Sandy br. clay w/ stks of san
R. F. D. or Street NE_End of Road 64	160 "696" Sandy blue " " "
	696 "800" Sandy clay
	800 815 Hard Sand
	8/15 900 Hard Sandy Blue Clay
	900 "960" Sand w/ thin streaks blue cla
(3) TYPE OF WORK (check):	960 "1127" Blue shale
이 없는 장면 하는 상대를 가는 사람들은 소리에 하는 것이 없는 사람들이 있습니다. 그 전에 내는 사람들은 그런 사람들이 가는 사람들이 되었다. 그는 사람들이 없는 사람들이 없는 사람들이 되었다.	1127 " 1220 "Hard blue shale w/ stks hard
New well K Deepening Reconditioning Abandon	. St. A.
If abandonment, describe material and procedure in Item 11.	1220 1517 Blue clay w/ streaks of sand
(4) PROPOSED USE (check): (5) EQUIPMENT	
Domestic 🔲 Industrial 🗍 Municipal 🔲 Rotary 💢	and hard shale
Irrigation 🔣 Test Well 🔲 Other 🔲 📗	
Dug Well	
(6) CASING INSTALLED: If gravel packed	
SINGLE [X] DOUBLE [7]	
From ferro fe Diam Wall of Bore fe	
0 795 16" 5/16" 27 - "-0 1610	
795	
780 1610 14" 1/4" "	
in de Andrea de Labora de la labora de la composition de Andrea de Labora de Labora de Labora de Labora de Lab Anna 1,500 de 100 de 100 de Labora de 100 de la composition de Labora de Labora de Labora de Labora de Labora	
Type and size of shoe or well ring Size of gravel: 7/211	
Type and size of shoe or well ring Describe joint	
(7) PERFORATIONS:	
그는 사용하다 하는 것이 그 모든 그 그는 그리고 하는 것은 아니는 것이 없는 것이 되었다. 그는 그는 사람들이 되었다면 하지만 살려고 있다. 하는 사람들은 사람들이 없는 것이다.	COW D
Type of perforator used Machine	Section 200 ENTIL
 Description of the second control of the second of the seco	
rom ft. Perf. per row Rows per	
: 645 1610 14 rows on 6" centers ::	
	二十十 아내가 되었다. 이 경찰 마음을 살아 하는 것이 되었다. 그는 그 그 그 사람들은 사람들은 그리고 하는 사람들은
(8) CONSTRUCTION:	
Were any strata scaled against pollution? Tres No If yes, note depth of strata	4.
From 1610 fr. to 1817 fr.	
Method of Sealing cemented	Work started 6-5-57 19 . Completed 6-27-57 19
(9) WATER LEVELS:	WELL DRILLER'S STATEMENT:
Pepth at which water was first found	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
tanding level before perforsting	
tanding level after perforating	NAME HYLTON DRITTLING CO. (Person, firm, or corperation) (Typed or printed)
	Address 716 Eye Street
(10) WELL TESTS:	Bakersfield, Calif.
Tas a pump test made? TYes I No If yer, by whom? IS.A. Camp Co.	DURCI STICILLO
felds 3500 gal./min. with 37 ft. draw down afted to his	[SIGNED] [Pelolfy
emperature of water Wate chemical analysis madel Yes No	7. Table 10. Tab
	Dated Office 253 193

ORIGINAL STATE OF CALIFORNIA File with DWR WELL COMPLETION REPORT Refer to Instruction Pamphlet Page / of Z No. 0942277 Owner's Well No. LONGITUDE Date Work Began <u>5-19-08</u> _, Ended 6 - 20 - 08 Local Permit Agency THEADE COUNTY - 1 APN/TRS/OTHER Permit No. 08-0200 4-23-08 Permit Date ___ WELL OWNER GEOLOGIC LOG Name DOLE FRESH FRUIT CO ORIENTATION (∠) X VERTICAL ___ HORIZONTAL ___ ANGLE ____ (SPECIFY) DRILLING Mailing Address 1 Doil AVE ROTORY FLUID MUD METHOD _ DEPTH FROM SURFACE WESTLAKE VILLAGE DESCRIPTION Describe material, grain size, color, etc. Address 14 40 Rp WELL LOCATION TOP BOIL TERRA BELLA 100 SAND TULBRE 100 SALLAY County 2 SAND APN Book 320 Page 010 Parcel 013 Township 235 Range 27E Section _ 180 LAY 150 190 S AW Long _ DEG. DFG. MIN SEC MIN CLAY 290 LOCATION SKETCH ACTIVITY (∠) 310 290 SAND X NEW WELL SANDY MODIFICATION/REPAIR 0 360 ____ Deepen SAND _ Other (Specify) 360 390 SANDY 390 410 SAIL DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG") SALBY CLAY 490 SAUD 490 510 USES (∠) WATER SUPPLY SAUGY CLAY ____ Domestic ____ Public ____ Irrigation ____ Industrial SALLO SMALDY MONITORING _ SAKD SMHOY CLHY 750 820 CATHODIC PROTECTION HEAT EXCHANGE 820 830 CLKY DIRECT PUSH 30 850 SAND INJECTION SAXINY CLAY 250 960 VAPOR EXTRACTION 960 980 SAU REMEDIATION 980 1010 SHUE Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE. OTHER (SPECIFY) . SALWY CLAY 1010 1050 MINY 1050 1060 WATER LEVEL & YIELD OF COMPLETED WELL 1060 1080 SAUD DEPTH TO FIRST WATER ___ ___ (Ft.) BELOW SURFACE 1080 1090 MIKY DEPTH OF STATIC 476 (Ft.) & DATE MEASURED 8-6-08 1090 1100 SAKO ESTIMATED YIELD 1300 (GPM) & TEST TYPE Pump 1100-1110-LAY TOTAL DEPTH OF BORING _ (Feet) TEST LENGTH 46 (Hrs.) TOTAL DRAWDOWN 551 (Ft.) TOTAL DEPTH OF COMPLETED WELL * May not be representative of a well's long-term yield. (Feet) CASING (S) ANNULAR MATERIAL DEPTH BORE-FROM SURFACE FROM SURFACE TYPE (∠) HOLE CON-DUCTOR FILL PIPE INTERNAL GAUGE SLOT SIZE DIA. SCREEN MATERIAL / CF-BEN-FILTER PACK OR WALL THICKNESS MENT TONITE FILL GRADE Ft. Ft. (Inchés) (\angle) (\angle) 3314 30 0 140 A53B 188 151/4 14" GRAVEL A 53 B 1312 30 0 625 1800 1514 1312 90 625 1480 A 53 B ATTACHMENTS (∠) CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief. Geologic Log Well Construction Diagram Geophysical Log(s) Soil/Water Chemical Analyses Other ATTACH ADDITIONAL INFORMATION, IF IT EXISTS. OSP 03 78836 IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

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Page 2 of 1					* *		Refer to Ins				•		\$1 \$1	ATE WE	LL NO./	STATION	1 NO. /2	
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TOTAL DEPTH OF	BORING _			(F	eet)				Т	EST LENGTH	(Hrs.) T	OTAL DRAW	DOWN_		(Ft.)		
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ATTACH ADDITIONAL	INFORMATIO	ON, IF	IT E	XIST	s.	Signed	LICENSED WATE	7. M	AL MITPAC	TOR				D/II	1 200	\$ -	-57 LICENSE NUMBER	
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ORIGINAL File with DWR

Local Permit Agency

STATE OF CALIFORNIA

WELL COMPLETION REPORT

Page <u>1</u> of <u>1</u>	Refer to Instruction Pamphlet
	No

No. 783343

01-03-01

Date Work Began 01-0	03-01	Ended	01-30-01	78	334	•
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APN/TRS/OTHER

148282 C-57 LICENSE NUMBER

_Permit Date _ Permit No. _ WELL OWNER - GEOLOGIC LOG · Name A.L.G. ENTERPRISES. HORIZONTAL ANGLE SPECIFY BENTONITE X VERTICAL ORIENTATION (∠) Mailing Address RT. 2, BOX 299 DRILLING ROTARY _ FLUID MUD_ METHOD . DEPTH FROM DELANO 93215 CA. SURFACE DESCRIPTION STATE Describe material, grain size, color, etc. Ft. to Ft. Address 1-1/8 MILE NORTH OF AVENUE 56 AND 260 0 : SANDY CLAY City 1/4 MILE WEST OF ROAD 200 275 SAND 260 County TULARE COUNTY ENVIRONMENTAL HEALTH 275 500 SANDY CLAY 500 515 SAND APN Book 319 Page 160 Parcel 01 570 Township 23S Range 26E Section 515 SANDY CLAY Taititude ____ 570 590 CLAY Longitude 590 635 SANDY CLAY LOCATION SKETCH X ACTIVITY () 635 660 SAND SANDY CLAY 660 700 MODIFICATION/REPAIR 700 720 ___ Deepen SAND ___ Other (Specify) 720 770 SANDY CLAY 770 795 CLAY DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG" Ra200 795 875 SANDY CLAY 875 895 SAND PLANNED USES (∠) 895 960 WATER SUPPLY SANDY CLAY X Domestic Public Industrial 960 995 SAND 995 11105 SANDY CLAY MONITORING 1105 1120 SAND TEST WELL 1120 11145 ÇLAY CATHODIC PROTECTION 1145 1165 \$AND DIRECT PUSH 1165 1240 SANDY CLAY INJECTION 1240 1265 CLAY VAPOR EXTRACTION 1265 1510 CLAY WITH SAND STREAKS SPARGING SOUTH 1510 1530 REMEDIATION . SAND Illustrate or Describe Distance of Well from Roads, Buildings Fences, Rivers, etc. and attach a map. Use additional paper if necessary, PLEASE BE ACCURATE & COMPLETE. OTHER (SPECIFY) _ 1530 <u>1620</u> SANDY CLAY 1620 1645 SAND WATER LEVEL & YIELD OF COMPLETED WELL 1645 1670 SANDY CLAY DEPTH TO FIRST WATER _____ (Ft) BELOW SURFACE 1670 1685 SAND DEPTH OF STATIC <u> 1685 | 1690 | SANDY CLAY</u> WATER LEVEL __ ____ (Ft.) & DATE MEASURED _ 1690 1720 SAND ESTIMATED YIELD * ____ ___ (GPM) & TEST TYPE_ TOTAL DEPTH OF BORING 1720 TEST LENGTH ______ (Hrs.) TOTAL DRAWDOWN___ _1700 TOTAL DEPTH OF COMPLETED WELL * May not be representative of a well's long-term yield.

DEPTH	BORE-			,	C		PTH		ANN		MATER	HAL			
FROM SURFACE Ft. to Ft.	HOLE DIA. (Inches)	_	SCHEEN TO	PUCTOR (MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	FROM SURFACE Ft. to Ft.		CE- MENT	BEN- TONITE		(TYPE/SIZE)	
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ı	21		X		A53B	15.37	.312	, 100A2-1/I	20	1700				1/4"	GRAVEL
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ATTACH	MENTS (∠)			CERTIFICA	TION STATE	MENT			
Geologic I	, — ,	I, the undersigned, co		port is complete			est of my	knowledg	je and belief.
Well Cons	struction Diagram			INC					
		(PERSON, FIRM OR	CORPORATION) (TYPE	OR PRINTED)					
Geophysic	ca(Log(s)	502 COUNT	Y LINE RD			DELAN	₹O	CA.	93215
SoilWater	r Chemical Analyses	1 302 00991	T DIME IO	٠ ،		DLLL	•••	UA.	73213
Other		ADDRESS	0.16	///	/	CITY	1/2/2	STATE	ZIP
ATTACH ADDITIONAL IN	IFORMATION, IF IT EXISTS.	Signed 1011		unar		3	(4101		148282
ATTACH ADDITIONAL IN	IFUHINATION, IF IT EXISTS.	WELL DRILLER/AUTHO	ORIZED REPRESENTATIV			DATE	SIGNED	<u>c</u> .	-57 LICENSE NUM

ORIGINAL File with DWR

STATE OF CALIFORNIA

WELL COMPLETION REPORT

Refer to Instruction Pamphlet

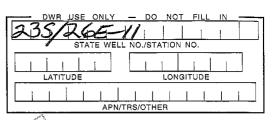
Page $\underline{1}$ of $\underline{1}$	
Owner's Well No.	

No. 0915717

Date Work Began _	3/16/05	, Ended	4/13/05	
2410 11011 2084		•	7 1 0	

Local Permit Agency Environmental Health Services

Permit No. 23791 Permit Date 2/24/05



	GEOLOGIC LOG	WELL OWNER
ORIENTATION		Name Road 208 Ranches
Chichianon	DRILLING	Mailing Address 20191 Ave. 128
DEPTH FROM SURFACE	METHOD FLUID DESCRIPTION	Porterville Ca. 93257 GITY STATE STATE ZIP
	Describe material, grain size, color, etc.	CITY STATE ZIP
	30" Cond. Pipe	Address Ave. 56 E to 192, 192 N. to Ave. 80,
	58 Clay	Gift Ave. 80,3/8 mi. E. On L. side of rd.
	80 Sand	County Túlare
80 1	18 Clay	APN Book Page Parcel
	28 Sand	Township 1 23 Range 26 Section 11
128 2	00 Clay	Fat N I no
200 2	20 Sand	DEG. MIN. SEC. DEG. MIN. SEC. LOCATION SKETCH ACTIVITY (\(\psi\))
220 : 2	25 Clax	LOCATION SKETCH ACTIVITY (E)
225 2	38 Sand	
238 2	80 Clay	aw e990 M MODIFICATION/REPAIR Deepen
280 2	90 Sánd	Other (Specify)
290 4	40 Sand, Clay	DESTROY (Describe
440 4	58 Sand Rock	Procedures and Materials Under "GEOLOGIC LOG")
458 5	68 Sand, Clay	USES (∠)
568 5	78 Sand	WATER SUPPLY
578 6	60 Clay	Domestic Public X Irrigation Industrial
660 7	18 Sand, Rock	MONITORING
718 7	'20 Clay	TEST WELL
720 7	742 Sand	CATHODIC PROTECTION
	'68 Clay	HEAT EXCHANGE DIRECT PUSH
	778 Sand	NJECTION
	788 Clay	VAPOR EXTRACTION
	318 Sand	SPARGING
	328 Clay, Sand	Illustrate or Describe Distance of Well from Roads, Buildings,
	398 Sand	Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.
	920 Clay	WATER LEVEL & YIELD OF COMPLETED WELL
	000 Sand	
1000 10	069 Clay	DEPTH TO FIRST WATER (Ft.) BELOW SURFACE
i		DEPTH OF STATIC WATER LEVEL
<u> </u>	1	ESTIMATED YIELD * (GPM) & TEST TYPE
TOTAL DEPT	H OF BORING 1069 (Feet)	TEST LENGTH (Hrs.) TOTAL DRAWDOWN (Ft.)
TOTAL DEPT	H OF COMPLETED WELL1011(Feet)	* May not be representative of a well's long-term yield.

DEPTH	BOBE-				C	ASING (S)				EPTI			ANNU	JLAR	MATERIAL
FROM SURFACE	BORE- HOLE	_	<u> PE (:</u>	_					FROM	SUF	RFACE		· · · · ·	TY	PE
Ft. to Ft.	DIA. (Inches)	BLANK	SCREEN CON-	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE !F ANY (Inches)	Ft.	to	Ft.	CE- MENT (エ)	BEN- TONITE (エ)	FILL (エ)	FILTER PACK (TYPE/SIZE)
0 1011	$27\frac{1}{2}$					16	312	.090		1					
								32 Row		1					
Blank Cas	ing -	567	T							ı					
Perf. "	_	444	1							ı					
0 - 50' t	op san	ita	ry	sea	1		***								
1										1					

ATTACHMENTS (±)	
Geologic Log	١
Well Construction Diagram	
Geophysical Log(s)	
Soil/Water Chemical Analyses	
Other	
ATTAOU ADDITIONAL INFORMATION IS IT SYICES	1

CERTIFICATION STATEMENT

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

WASCO DRILLING COMPANY, INC.

NAME WASOU DRIVERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS A A A

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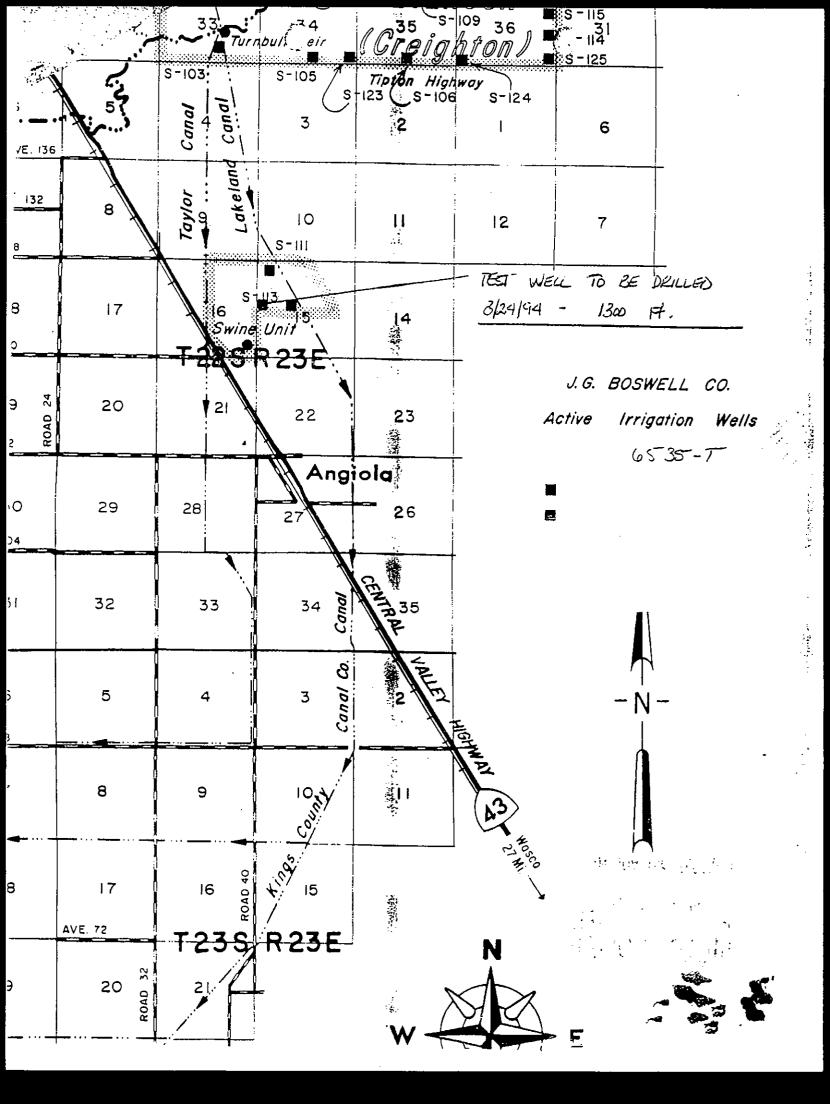
Wasco

Ca. 93280

STATE ZIP

582658

4/18/05



*The free Adobe Reader may be used to view and complete this form. However, software must be purchased to complete, save, and reuse a saved form. State of California File Original with DWR DWR Use Only - Do Not Fill In **Well Completion Report** _ of 1 Page 1 Refer to Instruction Pamphlet No. e0079777 Owner's Well Number 1 W Date Work Ended 2/25/2008 Date Work Began 10/15/2007 Local Permit Agency Tulare Co. Environmental Health Permit Number 07-0493 Permit Date _10/4/07 Well Owner Geologic Log Orientation OVertical O Horizontal OAngle Specify Name Artesia Dairy Farm **Drilling Method Drilling Fluid** Mailing Address 13406 Road 24 Depth from Surface Description City Corcoran State Ca 93212 Describe material, grain size, color, etc Feet to Feet 50 220 Fine Sand Well Location 220 280 Sand , Light Clay Address West side Hwy. 43 @ Ave. 136 280 310 Fine Sand City Corcoran _ County <u>Tulare</u> 310 380 Fine Sand , Light Clay __ N Longitude <u>119 30</u> Latitude 36 Fine Sand , Light Clay 380 450 Decimal Lat. Decimal Long. 590 450 Clav APN Book <u>291</u> Page <u>030</u> Parcel 043 590 830 Fine Sand , Light Clay Township 22S Range 23E Section 5 830 970 Clay, Light Sand 970 1,050 Clay, Sand **Location Sketch** Activity (Sketch must be drawn by hand after form is printed.) New Well 1050 1,060 Fine Sand, Clay North Modification/Repair 1060 1,240 Sand, Clay, O Deepen O Other_ O Destroy

Describe procedures and materials under "GEOLOGIC LOG" Planned Uses Water Supply ☑ Domestic ☐ Public ☑ Irrigation ☐ Industrial O Cathodic Protection O Dewatering O Heat Exchange O Injection O Monitoring O Remediation O Sparging O Test Well South O Vapor Extraction O Other Water Level and Yield of Completed Well Depth to first water 275 (Feet below surface) Depth to Static
Water Level 275 _ (Feet) Date Measured 02/25/2008 Estimated Yield * 1,650 (GPM) Test Type Constant Rate Total Depth of Boring 1240 Test Length 6.0 (Hours) Total Drawdown 430 (Feet) Total Depth of Completed Well 1240 *May not be representative of a well's long term yield. Annular Material Casings Outside Slot Size Depth from Depth from Borehole Wall Screen Material Type Surface Fill Description Surface Diameter Thickness Diameter Type if Any Feet to Fee (Inches) Feet to Feet (Inches) (Inches) (Inches) Sanitary Seal 50 5/16 100 Cement 0 40 Conductor A 53 Grade B 32 0 100 Filter Pack 6 X 12 0 590 26 Blank 5/16 16 1,240 A 53 Grade B 590 700 26 Screen A 53 Grade B 5/16 16 Milled Slots 0.060 700 910 26 Blank A 53 Grade b 5/16 16 910 1,240 26 Screen A 53 Grade B 5/16 Milled Slots 0.060 **Attachments Certification Statement** I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief Name Bakersfield Well & Pump Co.

Persol, Firm of Opporation
7212 Fruitvale Avenue Bakersfield CA 93308 ☐ Geologic Log ☐ Well Construction Diagram Geophysical Log(s) CA State ☐ Soil/Water Chemical Analyses Zip City 9-24-2008 440537 ☐ Other 57 Licensed Water Well Contractor Date Signed C-57 License Number ttach additional information, if it exists DWR 188 REV. 1/2006

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

23/24-27 C

File Original, Duplicate and Triplicate with the

REGIONAL WATER POLLUTION

Was electric log made of well?
Yes XNo

WATER WELL DRILLERS REPOI

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Nº 63272

CONTROL BOARD No. (Insert appropriate number)	Other Well No.
(1) OWNER:	(11) WELL LOG:
Name Dr. A. W. Carlson	Total depth 1602 ft. Depth of completed well 1602 ft.
Address P.O. Box 427	Formation: Describe by color, character, size of material, and structure.
McFarland, Calif.	Otto 3 ft. Top Soil
McCarlano, Valli	3 279 Sandy Clay
(2) LOCATION OF WELL:	279 "330 "Clay
County Tulare Owner's number, if any-	330 "334 " Sand
R. F. D. or Street No.	334 " 420 " Sandy Clay
1/2 mile East of Road 88 and	420 423 Sand
1 mile North of Ave. 56.	423 466 Sandy Clay
	466 " 490 " Clay
1255 \$ 0,45 m1 E/O NW Cor-	490: " 493 " Sand
(3) TYPE OF WORK (check):	493 580 Sandy Clay
New well K Deepening Reconditioning Abandon	580 " 634 " Clay
If abandonment, describe material and procedure in Item 11.	634
(4) PROPOSED USE (check): (5) EQUIPMENT:	
Domestic Industrial Municipal Rotary Cable	
Irrigation Test Well Other Dug Well	
1 Dug wen LJ	770 "
(6) CASING INSTALLED: If gravel packed	
SINGLE TOUBLE Gage	
From ft. to ft. Diam. Wall of Bore 26 4 ft. fr.	820 823 Sand 823 879 881ue Glay
600 ft. 16" & single Top to bottom	879 " 910 " Clay
1002 ft. 14" * single " " "	910 " 970 " Sandy Clay " 970 " 1029 " Clay " 970 " 970 " 1029 " Clay
	970 " 1029 " Clay " A T A T A T A T A T A T A T A T A T A
The second of th	
Type and size of shoe or well ring Size of gravel: 3/811	1040 " 1095 " Sandy Clay 1095 " 1100 " Sand
Describe joint Butt Welded	1100 1125 Sandy Clay
	1125 " 1221 " Hard Shale
(7) PERFORATIONS:	1221 " 1310 " Hard Clay
Type of perforator used Machine	1310 " 1320 " Hard Shale
Size of perforations 1/8 X 1cc in., length, by in.	1320 " 1324 " Sand
From ft, to ft. L. Perf. per row 18 Rows per ft.	1324 " 1355 " Clay
804 ft. to 1602 ft. " " " " " " " " " " " " " " " " " " "	1355 " 1450 " Hard Shale
	1450 " 1454 " Sand
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1454 " 1503 " Shale
11 11 11 11 11 11 11 11 11 11 11 11 11	1503 " 1595 " Shale & Clay
(e) CONTEMPLICATION	1595 " 1602 " Hard Shale
(8) CONSTRUCTION:	o u
Was a surface sanitary seal provided? Yes X No To what depth ft.	DTW=170' 11-18-70 JD
Were any strata sealed against pollution? Yes X No 1f yes, note depth of strata	" "
From (r to ft.	и
Method of Sealing	Work started 1/28/67 19 . Completed 2/18/67 19
(0) WATED TEXELS.	WELL DRILLER'S STATEMENT:
(9) WATER LEVELS:	This well was drilled under my jurisdiction and this report is true to the best of
Depth at which water was first found Unknown ft.	my knowledge and belief.
Standing level before perforating ft.	NAME Whitten Pumps, Inc. (Person, firm, or corperation) (Typed or printed)
Standing level after perforating ft.	
(10) WELL TESTS:	Address 1744 High Street
	Delano, California
Was a pump test made? TYes X No If yes, by whom?	[SIGNED] CHILDLE GARLES
Yield: gal./min, with ft, draw down after hes,	Well Della
Temperature of water Was a chemical analysis made? Til Yes TV No.	License No. 148282 Dated 5/2/196

*The free /	Adobe Rea	ider ma	ay be used to view a	and complete	this form. I	However, s	software mu	st be purchase	ed to comple	ete, save, a	ind reuse	a saved t	form.					
File Origin	nal with D	WR			State of California						DWR Use Only – Do Not Fill In							
Page 1	•	of	3		Well Completion Report Refer to Instruction Pamphiet						State Well Number/Site Number							
										State vveli number/Site number								
			3/2009						l	Latitude Longitude								
			ilare County En	vironmenta Permit Dai			<u>s</u>		— I	APN/TRS/Other								
Permit Nu	imber <u>os</u>	-0120		gic Log	le <u>0/0/00</u>	<u>,</u>		1		Well Owner								
Orie	ntation	⊙ Ve			OAngle	Specify	y	Name D	hillon Far	ms	*****	OWNER						
			Rotary		Drilling Flu	ıid <u>Wate</u>	er				unty Lir	ne Rd						
Depth Feet	from Sur	face		Desc ribe material,	ription	color etc		Mailing Address 15676 County Line Rd. City Delano State CA zip 93292										
50	80	er .	Sand Gravel	inc material,	grain size,	color, etc		Well Location										
80	120		Sand Gravel C	lay				Address	N/W co	rner of A								
120	160		Sand						lano					ulare				
160	280		Sand Clay											Deg. Min. Sec.				
280	360		Sand Gravel											Deg. Min. Sec. imal Long				
360	470		Sand Gravel C	lay										el <u>018</u>				
470	500		Clay					Townshi	p 24 S	_ Faye	26 F		. Faici	ion 30				
500	550		Sand Clay	· ·				TOWNSTIL		on Sket			Ceca	Activity				
550 640	640 770		Sand Gravel C Sand Clay	Лау				(Sketch n	nust be drawn	by hand after		rinted.)	ΘN	lew Well				
770	820		Sand Gravel C	lav				1	ŀ	North		1		lodification/Repair				
820	1,190)	Clay Sand	, ay				11		اعلا	レベ			O Deepen O Other				
1190	1,290		Clay					11		405	XIZ		ΟÞ	Describe procedures and materials				
1290	1,330)	Sand Clay								115			Describe procedures and materials under "GEOLOGIC LOG"				
1330	1,410)	Clay]	7		<u> </u>	1		Planned Uses				
							<u> </u>	1 2	, ,	ROAD	12	100		Vater Supply Domestic ☐ Public				
								Mest —	1			East		Irrigation Industrial				
								- 5						Cathodic Protection				
							· · · · · · · · · · · · · · · · · · ·					Read		Dewatering				
	-					24 			1.0			12		leat Exchange njection				
				<u></u>		<u> </u>		11 —		1	20	-		njection Nonitoring				
								1	Court	7 4100	KV.		H _	Remediation				
		-			73.			11	1					Sparging				
				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		i.	4		<u> </u>	South				est Well /apor Extraction				
						-, -7		rivers, etc. an	escribe distance d d attach a map.	Use additional			00					
									evel and		f Comr	loted \						
									first water					et below surface)				
								Depth to	Static				_ `	,				
			1110		2 27				evel <u>223</u>		-	•		ured <u>04/18/2009</u>				
	epth of B	_	1410	 		_ Feet			ed Yield * .			-		Constant Rate down 166 (Feet)				
Total D	epth of C	omple	eted Well 1150		4.7.	_ Feet			t be repres									
				Casi	ngs						 -	Annu	lar Ma	aterial				
	h from face	Borel Diam		Mater	ial	Wall	Outside Diameter	Screen Type	Slot Size if Any		from	E	ill	Description				
	to Feet	(Inch				(Inches)	(Inches)	туре	(Inches)		o Feet	,						
0	50	42	Conductor	A53Grade E		.312	30			0	50	Cement		Annular Seal				
0	530	26	Blank	A53Grade E		.312	16 16	Louver	0.090	0 1,170	1,170 1,410	Filter Pa	ick	4x16 SRI Backfill				
530 600	600	26 26	Ful Flo StandardFlo	Ful Flo A13	9	.312 .312	16	Louver	0.090	1,170	1,410	I III		Dackilli				
620	640	26	Ful Flo	Ful Flo A13	9	.312	16	Louver	0.090									
640	680	26	Standard Flo	SF A139		.312	16	Louver										
		Atta	chments						Certificati									
	Geologic	Log			I, the un	dersigned	d, certify th	at this report	t is comple	te and ac	curate to	the be	st of my	y knowledge and belief				
1			ion Diagram		Name <u>t</u>	Person,	Finga-or Compo	k Pump Co.										
	Geophys Soil/Wate		og(s) emical Analyses	j	Person, Firm or Corporation 7212 FruitVale Ave. IV Bakersfield CA 93308 City State Zip													
_	Other	J. J.	moun relativoes		Signed 7/9/2009 440537							7						
	ditional infor		f it exists.							C-57 Li	cense Number							
DWK 188	REV. 1/200	0			IF ADDITIO	JNAIL SPAC	E IS NEEDED	ນ, ປຣ⊵ NEXT CC	ภท๖๒CUTIVEL	T NUMBER	ED FORM							

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

1/4

Jelenny DMK

Tother of Intent No. ___159690

STATE OF CALIFORNIA

THE RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

Do not fill in

No. 49066

						
1) OWNER: Name Su	perior Farmi	ng Company	(12) WEI	LL LO	G: Total depth 1405 it. Depth o	of completed well 1382 to
ddless P.O.Box 9999		•	from ft. to		amation (Describe by color, charac	
Bakersfield,	CA	_{zin} 93389	0 -		Conductor	
		•	50 -		70% sand, 30% clay	
2) LOCATION OF WI	ELL (See histract	ious i: 010_128	70 -	80	50% sand, 50% clay	
Suniv	· Osper's \	Vell Neigher <u>UIU-IUM</u>	·			
vell address a different from allow			80 -	90	Sand	
		Section 16.	90 -	130	Brown Clay	
listance from order, roads, rain and			130 -	170	80% sand, 20% sandy	brown clay
Earlimart, CA and				190_	Hard brown clay	
Alpaugh-Ducor Road	l: Avenue 56.		190 -	2100	90% brown clay 20% s	sand
			210 -	220	50% clay, 50% sand	
i	Ì	(3) TYPE OF WORK:	220/2	230_	Soft brown clay	
}		New Well (X) Deepening []	230	240	Sandy gray clay	
j	}	Reconstruction [1]	240 -	25Q	90% sand, 10% clay	
1	ì	Reconstituting (7)	250 -	260	50% Sandy gray clay	. 50% sand
1.		Horzontai Well	260	270	70% sandy gray clay	. 30% sand
		Destruction [1] (Describe	1 / / / /	280	50% sandy gray clay	50% sand
į.	×	Destruction [] (Describe destruction materials god procedures in Item 127	280	350	Gray clay	<u>p</u>
		(4) PROPOSED USES	350	360,0	Gray sandy clay	
. !	71	Domen		390	70% candy blue clay	30° cand
1	71	Injestione XI		400	70% sandy blue clay	ADV Fine cond
	V) a	Institution (1)		410	60% sandy gray clay	40% Ting Sand
322 / See 2 5	in the state of	13 (C) (C) (C) (C) (A) (A) (C)			Sandy gray clay	20%
2 x 2 T	Transfer of	1 1 1	410	440	80% sandy gray clay	205 Sana
1100,000	BOAL	Mark State of the	420	440	100% gray clay	
	and the same of th	Monografy B			100% soft blue clay	
STILL LOCATION				<u> 490, </u>	50% gray_clay, 50% s	sand fine
Dir quaranti	ORAVED			<u>500′</u>	70% gray_clay, 30:s	S & (1/2)
Totals of Leader		Birdseye	500	<u> </u>	100% soft blue clar	(<u>/////</u>
$5 diff = -\epsilon $	The Software for the	m 28" ⇒≥ № = =	(<u> </u>	520	Hard blue clay	
Marie Commission Buckey	Designation .	.1400 😘 450 J	520 -	530	Hard blue clay 50% sand, 50% or or or or or or or or or or or or or	clay
7) GASONG INSTALLED CONS	STERFOR	ariossi RM – FF 🔌	√< 5 30 -	540	100% fine sandil	
7) Case to INSTALLED a deel Ki Plasme (*) Consultant	Lype of pertilib	alten of size of screep (Size)	540 -	550	100% clay	<u> </u>
From to Dia Can	Page Freeze	(A) 10 K 3860	550 -	560	70% sand, 30% clay	3/4
It. II(C) in. V	Tall Inch	11. /2 \\ 2 size		570	50% sand, 50% blue	
	16 640 3	760 3/32		600	100% sand	
760 780 12 5/	16 Reduct	760 3/32 ion & comp_sect			100% brown clay	
	16 780 _	1382 3/32		620	100% sand	
9) WELL SEAL:		N.V		630	95% brown & blue cl	ay, 5% sand
cas surrice mutary real posided	H. Yes Xi. So T.	trace to depth 50t.		650	100% brown & blue c	
Year of the midel country fell		. <u> </u>		660	70% soft brown clay	
setted of Johns Bentonit	te Pellets		- Work started		5=24+ 19 .82 Completed	
(0) WATER LEVELS:			WELL DR	HLLER	S STATEMENT:	
septh of that water, it known		4			sender not periodiction and this term	er is that to the lost of ag
tanding level after well completi	:on207		knowledge ar	nd Delie).	A 32 60	
11) WELL TESTS:		Daillen	Signatur	مصد	Chall holler	
Tus well feet made? — Yes ∏ix Expe of test —— Promp (ix	(c. 78% Cr. Hispania (S. Hapler □	y whole : Unit Len	1	avne	-Western Company, Inc.	
epth to water at start of test.		At the of test 241 at	· .	(E)	erson, firm, or corporation) (Typed o	r printed)
rischarge 2500 gal min later		Water temperature_NZA_	Address1		ox_3216	00005
hemical analysis mader. Yes					sfield, CA	zip. 93385
as electric leg mode? Yes (X			License No. 4	40740	9. Date of this repor	<u>July 6, 1982</u>

WRITEB (REV. 7-76. IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM - ADMINISTRATION GUAD (PT CAP

₹ . %			1					٠		<i>1</i> , ,						
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Owner's	Copy		فيسمعد		4	VE	LL COM	PLET	[O]	N REPOR					_1_	
Page	_ of	_	•		•		Refet to I	Instructio	n Pa	mphlei			STATE	WELL	NO./ST	ATION NO.
Owner's	Well No.	**					1	No. 🛕	0.0	0056		1 1	1			
Date Wor		10	3E			, Ended		4	O:	3856	1,-	LATITUD		· — ·		ONGITUDE
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	Permit Ag	gency	-1	fula	re						∟			ABNIT	L RS/OTH	
Pern	nit No. 🗕					LOG —	nit Date	7-12-	91	16.				AFIV/ II	13/011	<u> </u>
			GI	coro	CIC	c roc —		* ***	Ť	- 79\ *		-,WELL	OWNE	ER		
ORIENTAT	10N (∠)	¥ VEF	RTIC	AL	но	RIZONTAL	ANGLE	(SPECIFY)	N:	ame 📜 🛴	Andâ. A	triban 1	4.4			
		A		- :		TER(lм	ailing Address		later D	126.	1		
DEPTH	FROM	7 22		J 1 1110		`	′	, in MOL	'''	1 / 2 0	XXX	CXMXXX.	. 10	015	Ut.i	ca Ave.
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11. (o Ft.	1		Desci	ive m	aterial, grain siz	e, color, etc.	<u> </u>	┢	$\frac{C}{C}$		WELL	OCAT	ION 🗕		· · · · · · · · · · · · · · · · · · ·
· 	4	Top	S.	11		294-298	sand	-	Į'Ą(ldress \ \	112-4	mt M	of R	d 56	-22	ô ⁹ ft S.
4	9	clay		-			clay	<u> </u>	Ci	ty	coran	177/			* V	0.16 3.
9	15	sand		į		298-301			$\mathbf{C}_{\mathbf{C}}$							
15	21			1		310-310	sand	-			are	6 0	Parce	.1 ~		
24	27	clay			汉	310-316	- clay	(/)	17	PN Book Ech	De Lasc	78			3=2	40-03
27	200	sand			T.	316-336	, sand	The state of the s		wnship 225	nang				-	
3/	- 5 5	+ clay	1		. 3	336-347	clay		√La	ıtitude	MIN. SE	NORTH C.	Long	itude _	DEG.	MIN. SEC.
39	42	sand		<u> </u>		347-355	sand	- <u> </u>	-			SKETCH	-			CTIVITY (\(\perceq\)
42	_63	cia			٠.	355-400	- class		1		NORT					NEW WELL
63	74	•		***	• •			<u> 1952 - </u>	1						1	FICATION/REPAIR
74	-05	sand		1 1/2	10.	400-408	/-sand]				1			Deepen
00	04	clay	٠.	1 1		408-411	clay		1						1.	•
03	71	sanc		1		411-426	sand		1						1	Other (Specify)
91	9/	clay	1			4267431	- clay		1						1-	
97 :	101	sanc	1	~\\ ~\\	13	431-435	sand		ł							DESTROY (Describe Procedures and Materials
 101 	-105 -	clay	- 4	1 1		435-440	clay		ł						1	Under "GEOLOGIC LOG")
105	125	sanc	_	<u> </u>		440-452-	sand		ST					ST	PL.	ANNED USE(S) -
125	131					452-669		•	×					Ē	İ _	(∠) MONITORING
131	142	Clay				CEO 746	clay	;	1						WATE	R SUPPLY
ا شقة ا	1 2 2	sanc	7.			746 700	sand		1						""	· ·
142	-176 -	cla y				110-122	clay	,	ĺ						1	Domestic
176	-196	sanc	3—			722-731	sand									Public
196 :	-222 -	- Clay	13-			731-747	clay		ł						ł	Irrigation
222	228	Sand				747-765	sand									Industrial
228	244	clay				765-771	clay								l _	"TEST WELL"
244	250	sand	' _			774 775]	CATHODIC PROTEC-
250	256	clay				775 000	sands		 _	lustrate or Descri	SOUT		. 7		1 -	TION
256	200					775-800	clay		SŁ	ich as Roads, Buil	dings, Fenc	es, Rivers, et	n Lanai C.	питкѕ	-	OTHER (Specify)
moo,		sanc				000-007	sand		P	LEASE BE ACC	URATE &	COMPLET	E.			
262	-270 -	clay		•	-	807-820	clay		DRI	ILLING				_		
 270 	- 274 -	: sand	5 —			820~825	sand		ME	THODRe	verse			FLUID _	Na ⁴	tural
274	277	' cla y	<u> </u>			825-830	clay		į	WATER	LEVEL	& YIELD	OF C	OMP	LETE	D WELL -
277	281	sand				830-852	₹.					_ (Ft.) & D/	ATE ME	ASURE	D	
281	294	clay				852-863	sand			TIMATED YIELD .						
TODUADE				٤٨			clay			ST LENGTH						
TOTAL DE						863-858	١								(F1.)
TOTAL DE	A IAI OF	COME LE 11	עני	** CLL	_	930 — (Feet	/		<i>N</i>	lay not be repres	entative of	a well's lon	g-term	yıeld.		
, 55-	т.,						CASING(S))]				ANNTI	T. A.D	MATERIAL
FROM SU		BORE-	 _	YPE (/\ T		1	, T		, !		PTH Surface				
	· - -	HOLE DIA.				MATERIAL /	INTERNAL	GAUGI		SLOT SIZE		OUT AUE		DEN	TY	PE .
Ft. to	Ft.	(Inches)	BLANK	SCREEN CON-	티돌티	GRADE	DIAMETER (Inches)	OR WA		IF ANY	F .	4- - -	CE- MENT	BEN- TONITE	FILL	FILTER PACK
11. 10	г.		區	8 2	<u>₹</u>		(inches)	INTICKNE	.00	(Inches)	Ft.	to Ft.	(∠)	(∠)	(上)	(TYPE/SIZE)
	En	20		T.		****	NA.	4 5 4			_	1 500				
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580	930	30	Н	-X	1 1	louver	16	5/16	—	-070		930	ļ	\sqcup	•	5/16x4
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			Ĺ					L,				<u> </u>	<u> </u>	<u> </u>		-
	ATTACH	IMENTS	(-	() —						CERTIFICAT						
	_ Geologic	Log		,		I, the und	dersigned, ce	rtify that t	his r	eport is comple	ete and ac	curate to t	he bes	t of my	know	ledge and belief.
7 _	_	_	_	_		il								-		
_		struction Dia	gran	П		NAME (PE	RSO OF ALDONO	OHERATION	DW	oldklanged) II	nc.					
· -	_ Geophysi	ical Log(s)														
-	_ Soil/Wat	er Chemical	Anal	yses		ADDRESS	12522	9th A	0.	Hanford	, CA S	3230			CTATE	
-	_ Other					- ADDITESS						UIT			STATE	ZIP
ATTACH AF	DITIONAL	INFORMATIC	ON. I	FITE	XISTS	Signed						<u></u> . !	Q	01		288489
						WE	LL DRILLER/AUTHO	DRIZED REPRE	SENTA	TIVE		DA	TE SIGNI	o •	1	C-57 LICENSE NUMBER

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

DWR 188 REV. 7-90

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Page					(Refer to I				Ų,		STATE	WELL	NO./ST	ATION NO.
		- 40) E*	C		اشمدد		N	lo. ¹ 🔏	0	0057			1 ,		1	
Owner's W Date Work	Dogon	16	16	LON	t I I I	Hed -			4	O.	9857		LATITUD	<u> </u>	J		LONGITUDE
	_														Ι.		
													-		APN/TI	RS/OTH	<u> </u>
Permi	t No						Permit	Date) .				1070111	F-1
			GE	COLC	GIG	LOG -				T	A (- 1 - 1	5	WELL) W N I	≤R —		
ORIENTATIO	N (<u>~</u>)	VE	RTIC	AL	но	DRIZONTAL	AN	IGLE	(SPECIFY)	N	ame \ Ang	10	ola Water Di	st (cont	inu	e d)
DEPTH F	DOM	, DEPTI	H T) FIRS	T W	ATER	(Ft.)	BELOW SU	RFACE /	_ M	lailing Addres	S _	1:11	-4-			
SURFA	CE					ESCRIP			1.1	34		7	ーレント				
Ft. to	Ft.	1		Descr	ribe n	iaterial, grai	n size, co	olor, etc. 🔩	6 17	Ci	Y / ()	<u>'</u>	WELL/LO	CAT	ION _	ST	TATE ZIP
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868	874	cla					(6)	$\langle \langle \langle \rangle \rangle \times \langle \langle \rangle \rangle$	76,	٦ċ	ity\\\\\\		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
874	879	San	♥.				75		/. \	7 4	ounty		3 8 3				
879	890	cla				115	٠,	11	- 1	11,7			Page	n	,		
	902		•	7	4			717	1/1	1.^	PIN BOOK		rage	Parce	:1		
890:		san	-	- 	$\frac{1}{2}$		11	111		-[]	ownship		Range	Section	on		
902	912	- cla	٠. ١	+) 	1	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· · ·	$+$ L	atitude	_	NORTH MIN. SEC.	Long	itude _	DEG.	MIN. SEC.
912	850-	San	0_	<u> </u>	-		''''	300	1	+		C	ATION SKETCH				CTIVITY (∠) -
920	930	61a	ÝΫ́		<u> </u>	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ 	17	* (6		一			NORTH -			1—	NEW WELL
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	1 mg	3/1	1	<u> </u>		(E.				╛						1	
	{ ;	15		٧.	16	1.60											DESTROY (Describe
1	11	17	بالمسط	1,1	1.					1			•				Procedures and Material Under "GEOLOGIC LOG"
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+		I.								4							Industrial
		ļ								4							"TEST WELL"
		1		. !			·			_						l	CATHODIC PROTEC
		1					•			—	Hustrate or Descr	iha	— SOUTH ————————————————————————————————————	n I and	marke	1 -	TION OTHER (Specify)
		1								s	uch as Roads, Bu	ildi	ings, Fences, Rivers, et JRATE & COMPLET	C.	1714113	-	0 111211 (000011))
		i					•				LEASE BE AC	CU	RATE & COMPLET	Ł.		\perp	
		1									ILLING						
		I				, ,					THOD	T.	EVEL & YIELD		FLUID _		D WELL
<u> </u>				<u> </u>							PTH OF STATIC	;	1				
` 		-				·····							(Ft.) & D				
·· · · · · · · · · · · · · · · · · · ·		1				,							(GPM) &				
TOTAL DEP						•			•	TE	ST LENGTH		(Hrs.) TOTAL DRA	WDOW	N	(Ft.)
TOTAL DEP	TH OF	COMPLET	ED	WELL		<u>'</u> (Feet)		-1	* /	May not be repre	eser	ntative of a well's lor	g-term	yield.		
		T	Γ.					011040				ıг					
DEPTH FROM SUP		BORE-	<u></u>			T-	U A	SING(S)	ı			Ш	DEPTH		ANNU		MATERIAL
FROW SUF	IFACE	HOLE DIA.		YPE (MATERI		INTERNAL	GAUG	ìΕ	SLOT SIZE	Ш	FROM SURFACE	<u> </u>	nr.	TY	/PE
Ft. to	F4	(inches)	AK	SCREEN CON-		MATERI GRAD		DIAMETER	OR WA		IF ANY	巾		CE- MENT	BEN- TONITE	FiLL	FILTER PACK
Ft. to	Ft.		ਛ	သ ၁	3 2			(Inches)	THICKN	E33	(Inches)	Ш	Ft. to Ft.		(4)		(TYPE/SIZE)
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^	ТТАСТ	IMENTS	<u> </u>	<u> </u>							CERTIFICA	Ļ	ION STATEMEN				
^	LIACE	- 144 144 1 3	(-	-,		Lthe	under	signed cor	tify that				TON STATEMENT te and accurate to t		t of m	, know	ledge and halist
_	Geologic	Log				- 11						ıcı	ic and accurate to t	ne nes	i oi my	KIIOW	icaye and bellet.
—	Well Con	struction Dia	gran	π '		NAME	(PEDONA	I FIRM OF CO	OPPODATION	\ /TV!	PED OR PRINTERY						<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
1 —	Well Construction Diagram Geophysical Log(s) NAME (PERSON, FIRM, OR CORPORA									ATION) (TYPED OR PRINTED),							
I. —	Soil/Wat	er Chemical	Ana	lyses		ADDRE	ec		•								
_	Other					- ADDRE	" \		•	j.	<u>ر</u> بً	,	CITY			STATE	ZIP,
ATTACH ADD	ITIONAL	INFORMATIO	ON.	IF IT F	XIST	Signe	d	Jean	سخ	٧.	Malson	<u>t</u>					
<u> </u>							WELL D	DRILLER/AUTHO	KIZED REPR	ESENT	ATIVE		D/	TE SIGN	ŁD .		C-57 LICENSE NUMBER

DWR 188 REV. 7-90 IF ADDITIONAL SPACE IS

## Dschg diam ## in; length ## ft ## ; HP ## : Meter No. ## ## ## ## ## ## ## gpm, meas, rept, est. ## pump gpm, meas, rept, est. ## pump function pupg. Specific cap. ## pupg. Specific cap. ## fter function pupg. Test, function pupg. ## function pupg. Test, function pupg. ## function pupg. Test, function pupg. ## function pupg. Test, function pupg. ## function pupg. Test, function pupg. ## function pupg. Test,	CALITORNIA U. S. DEPARTMENT OF THE INTERIOR GEOLOGICAL SURNEY WATER RESOURCES DIVISION CALIFORNIA WELL SCHEDULE COUNTY: WELL SCHEDULE AREA: WELL SCHEDULE COUNTY: Well No. 22/2 3 + AREA: Date Date Photo Other No. Locution: Map L. Locution: Map Mater L. Locution: Map L. Locution: Map L. Locution: Map L. Locution: Map L. Locution: Map L. Locution: Map Mater L. Locution: Map L. Locution: Map L. Locution: Map L. Locution: Map L. Locution: Map L. Locution: Map L. Locution: Map L. Locution: Map Mater L. Locution: Map L. Locution: Map L. Locution: Map L. Locution: Map Mater L. Locution: Map L. Locution: Map L. Locution: Map Mater L. Locution: Map L. Locution: Map Mater L. Locution: Map L. Locution: Map Mater L. Locution: Map Mater L. Locution: Map Mater L. Locution: Map Mater L. Locution: Map Mater L. Locution: Map Mater L. Locution: Map Mater L. Locution: Map Mater L. Locution: Map Mater L. Locution: Map Mater L. Locution: Map Mater L. Locution: Map Mater L. Locution: Map Mater L. Locution: Map Mater L. Locution: Map Mater L. Locution: Map Mater L. Locution: Map Mater L. Locution: Map Mater L. Locution: Map Mater L. Locuti	237
motor ** 10/2417	Well No. 22/23-2371 Location: Well No. 22/23-2371 Location: Well No. 22/23-2371 Location: Mell No. 22/23-2371 Well No. 22/23-237	
	PLOTTED FEB 1970 FEB 1970 Soc. 232 Soc.	***

File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION CONTROL BOARD No. John W. Oglesby Name 516 West 4th. Arvin, California (2) LOCATION OF WELL:
County Tulare Owner Owner's number, if any-R. P. D. or Street No. 1/2 mile North of the town of Allensworth and 300 ft. West of Santa re hallway tracks. (3) TYPE OF WORK (cbeck): New well Deepening Reconditioning [If abandonment, describe material and procedure in Item 11. (4) PROPOSED USE (check): (5) EQUIPMENT: Rotary Domestic Industrial Municipal Cable Irrigation Test Well Other Dug Well (6) CASING INSTALLED: If gravel packed SINGLE MOUBLE Diameter 26 ffrom From fr. to Top to 1,200 ft. Type and size of shoe or well ring Describe joint BUCC WO.LOCO (7) PERFORATIONS: Machine Type of perforator used 1/8 x 1 cc (8) CONSTRUCTION: Was a surface sanitary seal provided? D Yes Den To what depth Were any strata sealed against pollution? | Yes Wo If yes, note depth of strata From Method of Sealing (9) WATER LEVELS:

Unknown

ft. draw down after

Was a chemical analysis made? [Yes Wo.

WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

A. J. A.			L	-
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1	State Well No.
	Other Well No. 75/2011
İ	

otal depth		. Depth of comp		1,200
rmation: Deler	ibe by color, charect	Sandy	d, and structure	Top Soil
35	218	Clay		
218			Clay	
300		Clay		
369		Shale		
482		Sand		
487	2.5	Clay		
610			Clay	
616		Sandy	Clay	
630	638	Hard		
638		Clay		
787		Shale	na e en antas. Na el antas	
813		Clay		ora Provida Mala
935			Clay	
995		Clay		<u>- 1997 - Arthur Gallery (1994)</u> Mai July (1994) (1994) (1994)
1015		Sand	Lagrand and Co. Dispatible Model (1911)	
1025	1089	Clay	entra de la caractería. Capacita de la capacita de la compania de la compania de la compania de la compania de la compania de la compania de la compania de La compania de la compania de la compania de la compania de la compania de la compania de la compania de la co	
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y knowledge i	and belief.	מוסונטונטונים ביייו	una inis rep	on is true to the bes
AME	Whitten	Pumps,	Inc.	
. 447644	(Person, firm, c	corperation		Typed or printed)
ddress	1744 Hi	gh Stre		
1	Delaha	ี่ได้ให้ใน	かれずる	
	Delaho,	Califo	rnia	

Was a pump test made? D Yes BNo If yes, by whom?

gal./min. with

Depth it which water wis first found

g level after perforating

(10) WELL TESTS:

Temperature of water

Standing level before perforating

ft.

ft.

ft.

ORIGINAL

REGIONAL WATER POLLUTION

File Original, Duplicate and Piplicate with the

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

Do Not Fill In Nº 118716

THE RESOURCES AGENCY OF CALIFORNIA

	State Well No	
۸	\bigcirc	
A	Other Well No. 245/23	4
	Other Well Nonconference	

CONTROL BOARD No. THE RESOURCES AGE	ENCY OF CALIFORNIA Other Well No 245/236-3/
(1) OWNER:	(11) WELL LOG:
Name Westgate Calif. Realty Co.	Total depth ft. Depth of completed well ft.
Address 1021 Sub. Term. Bldg.	Formation: Describe by color, character, size of material, and structure.
417 S. Hill, Los Angeles, Californ	ia O 16 to 4 to top soil
	Sandy Clay
(2) LOCATION OF WELL:	92 "304 " sandy clay
County Tulare Owner's number, if any # 20	304 "680 " sandy clay 680 "684 " sand
R. F. D. or Street No.	684 "723 " sandy clay
SW Corner S 31, T24 S, R23 E	723 -843 - Sandy clay
	843 .873 . clav
65'N & 85' E/O SW Cor-	873 "934 " sandy clay
	934 "1055 " hard shale
(3) TYPE OF WORK (check):	1055 -1186 - hard clay
New well Deepening Reconditioning Abandon	1186 "1190 " hard shale
If abandonment, describe material and procedure in Item 11.	
(4) PROPOSED USE (check): (5) EQUIPMENT:	PRM 10/70 292' TS+JP
Domestic Industrial Municipal Rotary A	
Irrigation Test Well Other Dug Well	
(6) CASING INSTALLED: If gravel packed	
From ft. to 1:00 ft. 6 to 1 wall of Bore 25 2 ft. ft.	
The same of the sa	
Type and size of shoe or well ring Size of gravel:	
Describe joint Collared with fillet weld	
(7) PERFORATIONS:	C.Clau = 381."
Type of perforstor used Machine	
Size of perforations . 100 !! X2 in., length, by 6CC in.	
From 490st. to 1190 st. 2 Pers, per row 14 Rows per st.	the control of the co
	76
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Transfer of the state of the st
35 35 35 35 35 35 35 35 35 35 35 35 35 3	" " FONEIDE
	Water Code Sec. 7050
(8) CONSTRUCTION:	
Was a surface sanitary seal provided? Yes E No To what depth fr.	· · · · · · · · · · · · · · · · · · ·
Were any strata sealed against pollution? 🔲 Yes 🛣 No. If yes, note depth of atrata	**
From ft. to ft.	11 11
Method of Sealing	Work started Sept. 7 19 66. Completed Sept. 19 19 6
(9) WATER LEVELS:	WELL DRILLER'S STATEMENT:
Depth at which water was first found Unknown ft.	This well was drilled under my jurisdiction and this report is true to the best of
Standing level before perforating	my knowledge and belief.
Standing level after perforating ft.	NAME Whitten Pumps The (Person, firm, or corporation) (Typed or printed)
	Addres 1741/ Invo Street
(10) WELL TESTS:	Delano, Cavifornia
Was a pump test made? [Yes D No 11 yes, by whom?	[SIGNED] A CHEEK CAMPAIN
Yoold: gal./min. with ft. draw down after hrs.	Well Deplet
Temperature of water Was a chemical analysis made? Yes X No	License No. 148282 David November 18, 19.66
Was placed for made of well? A Yes III No.	◆ 1 日本業により、1970年、予防に対しては、1980年、日本の支援は対し、日本のも、日本をプロディを対している。

23-2222 WATER WELL DRILLERS REPORT

ORIGINAL File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION

CONTROL BOARD No.

(Insert appropriate number)

(Sections 7076, 7077, 7078, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA

No. 116291

			UW.	JI.	. 17		121
State	Well No.		1		22	R	2
Other	Well No.1	24	123	E	2,	2	

(1) OWNER:	
Name Alpaugh Irrigation District	(11) WELL LOG:
Address P. O. Box 127	Total depth 1205 ft. Depth of completed well 1205
Alpaugh, California	Formasion: Describe by color, character, size of material, and structure.
	300
Man Tanana	35 " 78" sandr al
County Tulare Owner's number, if any— R. F. D. or Street No.	78 " 121" sandy clay
	329" Sandy class
Southeast corner sec 22 6米 23 township 24S Range 23E	- 540" sandy clay
Township 240 range 236	540 " 664" blue clay
220'N & 75'N 10 SE Con.	dat
(3) TYPE OF WORK (check):	COO SOLL SAMUY CLAY
New well 10	001
New well Deepening Reconditioning Abandon If abandonment, describe material and procedure in Item 11.	934 " 1058" shale & clay
(A) DROBOSTO TEST	1058 " 1146" hand chall
Domestic 173 Tudanet 1	1146 " 1205" blue sand
Domestic Industrial Municipal Rotary Irrigation Test Well Other Cable	
Irrigation I Test Well Other Dug Well Dug Well	
(6) CASTATO TAYON A	DTW = 244" 10/30/70 75+20
SINGLE TX DOUBLE TO	
From fe to fe Diam of Diameter 2 5 1 from to	
0 500 16	
.500 · 1200 · 14 · 1/4 · top to bottom	
The standard of the standard o	CONFIDENTIAL
.76" OD to 14" OD	MOST SNIPATION
Transition Joint Slip jt. "	Wale Control
Size of gravel:	
	44
(7) PERFORATIONS:	
ype of rerforator used machine	***
ize of perforatione . 100 x 2 in., leneth, by 600	27
rom 30 G. to 1200 ft. 2 Perf. per row 12 Rows per ft	25
11 15 24 11 12 11	
11 (f	44 41
14 15 25 25	11 11
41 11 27	2 f 2 2
"CTION:	27 37
'vided? Yes E No To what depth fe.	15
107 - Yes X No. 11 yes, note depth of strata	
fr.	11
	12
	Work started 10/27/66
30	WELL DRILLER'S STATEMENT:
	This well was drilled under my tout the
(3)	NAME Whitten Pumps, Inc.
	Address 1744 Inya Street. (Typed or printed)
(Ig.)	
/bom?	Delaro (alifornia
net,	[SIGNED] Well Driller
a chemical analysis made? Yes No 1	icense No. 148282 Dated 4/22/67 19
	19

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

ORIGINAL File Original, Duplicate and Triplicate with the

No Not Fill In No 116291

State	Well No.		1		22	R
O-1-	107.11 3.1.)U	1	3 E	- 2	5

REGIONAL WATER POLLUTION CONTROL BOARD No. (Insert appropriate number)

THE RESOURCES AGENCY OF CALIFORNIA

State Well No.	ZLK
Other Well No. 245/2	13 = 22

(1) OWNER:	(11) WELL LOG:
Name Alpaugh Irrigation District	Total depth 1205 ft. Depth of completed well 1205 ft
Address P. O. Box 127	Formation: Describe by color, character, size of material, and structure.
Alpaugh, California	Unio 4 in top soal
	35" sandy clay 35" sandy clay
(2) LOCATION OF WELL:	35 " 78" sandy clay 78 " 121" sandy clay
County Tulare Owner's number, if any-	121 " 329" sandy clay
R. F. D. or Street No.	329 " 5 40" sandy clay
Southeast corner sec 22 卷稿 李芬	540 " 664" blue clay
township 24S Range 23E	_664 " 874" clay hard
220'N = 75'N 10 SE Con	874 " 900" sandy clay
	900 " 904" sand
(3) TYPE OF WORK (check):	904 " 934" clay
New well 25 Deepening Reconditioning Abandon	934 " 1058" shale & clay
If abandonment, describe material and procedure in Item 11.	1058 " 1146" hard shale
(4) PROPOSED USE (check): (5) EQUIPMENT:	1146 " 1205" blue sand
Domestic Industrial Municipal Rotary Irrigation X Test Well Other Cable	
Irrigation 🗵 Test Well 🗌 Other 🔲 Cable 🔲 Dug Well 🗀	DTUP = 244" 10/30/70 75+20
(6) CASING INSTALLED: If gravel packed	
SINGLE TO DOUBLE TO Gage Diameter 251 from to of Bore 252 ft. ft.	
0	
	が表現しています。 1971年 - 1
.16" OD to 14" OD	Waler C. Sec. 13755
	是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
"Transition" Joint Slip jt. "	
Type and size of shoe or well ring Size of gravel: Describe joint Collared W/ fillet weld	
Describe four COTTALEG M/ TITTEL WETO	
(7) PERFORATIONS:	The state of the track of the fifth of the property and the control of the property and the control of the cont
Type of perforator used Machine	
200 2	
From 500, to 1200 ft. 2 Perf. per row 1th Ruws per ft.	
Authorities and a second secon	
The second secon	
46 19 10 10 10 10 10 10 10 10 10 10 10 10 10	.,
The Control of the Co	44
	44
(8) CONSTRUCTION:	** 11
Was a surface sanitary seal provided? I Yes E No. To what depth	44
Were any strata sealed against pollution? Tyes X No. If yes, note depth of strata	
From ft. to ft.	., .,
Method of Sealing	11
Tablind of Gaming	Work started 10/31/66 19 . Completed 11/14/66 19
(9) WATER LEVELS:	WELL DRILLER'S STATEMENT:
Depth at which water was first found unknown fe.	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Standing level before perforating ft.	
Standing level after perforating ft.	NAME Whitten Pumps, Inc. (Person, firm, or corporation) (Typed or printed)
	Address 1714 Invo Street
(10) WELL TESTS:	Delato / Kalifornia
Was a pump test made? Yes (INo If yes, by whom?	W 17111 (111 8 1)
Yield: gal./min. with ft. draw down after hrs.	[SIGNED] Well Driller
Temperature of water: Was a chemical analysis made? Tes II No	License No. 148282 Dated 4/22/67 , 19
Was electric top made of well? Of Yes III No.	

ORIGINAL File with DWR

WELL STATE OF CALIFORNIA COMPLETION REPORT Refer to Instruction Pamphlet

Page 1 of 2

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i age i oi	-	
Owner's	Well No.	<u>8104</u>

Owner's Well No. 8104	^{No.} E072308
Date Work Began <u>1/28/2008</u>	
Local Permit Agency TUL	ARE COUNTY HEALTH DEPT
Parmit No. 07-0141	Downit Data 4/9/2007

DWR USE ONLY DO NOT FILL IN	
STATE WELL NO./ STATION NO. LATITUDE LONGITUDE LONGITUDE	3
APN/TRS/OTHER	

Permit No. <u>07-0141</u> Permit Date <u>4/9/2007</u>	7 TO TOO STITLE
GEOLOGIC LOG	WELL OWNER -
ORIENTATION (V) VERTICAL — HORIZONTAL — ANGLE — (SPECIFY)	Name ANGIOLA WATER DISTRICT
DRILLING REVERSE FLUID WATER	Mailing Address 944 WHITLEY AVE
SURFACE DESCRIPTION	CORCORAN CA 93212
Ft. to Ft. Describe material, grain, size, color, etc.	CITY STATE ZIP
0 5 CLAY TOP SOIL	Address .15 MI NOF AVE 112 & 250 WOF HWY 43
5 8 COARSE SAND	City CA
8 12 SILTY BROWN CLAY	CountyTULARE
12 16 COARSE SAND	APN Book 291 Page 070 Parcel 010
16 95 SILTY BROWN CLAY	Township 22 S Range 23 E Section 22
95 175 SILTY TAN CLAY WITH SAND	Latitude
175 285 SILTY BLUE GRAY CLAY WITH SAND	DEG. MIN. SEC. DEG. MIN. SEC. LOCATION SKETCH ACTIVITY (∠′)
285 350 SAND WITH SILTY BLUE GRAY CLAY STREAKS	NORTH ACTIVITY (V)
350 365 SILTY BLUE GRAY CLAY	MODIFICATION/REPAIR
365 420 SAND WITH SILTY BLUE GRAY CLAY STREAKS	— Deepen
420 435 SILTY BLUE GRAY CLAY	— Other (Specify)
435¦ 458¦SAND	DESTROY (Describe
458¦ 500 SILTY BLUE GRAY CLAY	DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG"
500 630 SOFT BLUE GRAY CLAY	DI ANNED HEES (./)
630 685 SAND WITH SILTY BLUE GRAY CLAY STREAKS	WATER SUPPLY
685¦ 740¦SAND	Log Domestic — Public Imgation — Industrial
740¦ 745¦BLUE GRAY CLAY	MONITORING —
745 810 SAND	TEST WELL
810 865 SAND WITH BRITTLE BLUE GRAY CLAY	CATHODIC PROTECTION.
STREAKS	HEAT EXCHANGE —
865 940 BLUE GRAY CLAY WITH SAND STREAKS	DIRECT PUSH
940 995 SAND WITH BRITTLE BLUE GRAY CLAY	INJECTION
STREAKS	VAPOR EXTRACTION SPARGING
995 1035 SAND	SOUTH ————————————————————————————————————
1035 1055 BLUE GRAY CLAY	- Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.
1055 1140 BLUE GRAY CLAY WITH SAND STREAKS	necessary. PLEASE BE ACCURATE & COMPLETE.
1140 1196 SAND	WATER LEVEL & YIELD OF COMPLETED WELL
1196 1205 BLUE GRAY CLAY	DEPTH TO FIRST WATER———— (Ft.) BELOW SURFACE
	DEPTH OF STATIC WATER LEVEL 320 (Ft.) & DATE MEASURED 4/19/2008
	- WATER LEVEL 32U (Ft.) & DATE MEASURED 4/13/2006
TOTAL DEPTH OF BORING 1090 (Feet)	ESTIMATED YIELD * 1000 (GPM) & TEST TYPE
1	TEST LENGTH(Hrs.) TOTAL DRAWDOWN30 (Ft.)
TOTAL DEPTH OF COMPLETED WELL 1050 (Feet)	May not be representative of a well's long-term yield.

DEPTH		BODE -					CA	SING (S)				D	EPT	н		ANNU	JLAR	MATERIAL
FROM SURFAC	E	BORE - HOLE	T	YPE	· ·	-/					F	ROM	SUR	FACE			TY	PE
Ft. to Ft.		DIA. (Inches)	BLANK	SCREEN	CON-	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)		Ft.	to	Ft.	CE- MENT (✓)	BEN- TONITI	E FILL (<u>√</u>)	FILTER PACK (TYPE/SIZE)
0 3	60	28					ACCESS TB	2	SCH 40			С)	480	✓			SAND SLURRY
0; 4	-00	28	1	1			ASTM-135	16	.312	·		480)	1090			✓	SRI#8 SAND
400 5	10	28	✓				ASTM-135	16	.375				-					
	20	28					COMP SEC	16					1					
1 '	570	28	√				ASTM-135	16	.312				1	·				
670 8	350	28		√	Ì		DBL MILLSL	16	.312	.060			1					

979, 000 20 1 1 D	JDL WILLSL 10 .312 .000	1		
ATTACHMENTS (∠)	CERTIFICATION	STATEMENT -		
Geologic Log	I, the undersigned, certify that this report is complete and accurate to the			
Well Construction Diagram	NAME EATON DRILLING CO.			
Geophysical Log(s)	(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)			
Soil/Water Chemical Analysis	20 WEST KENTUCKY AVE	WOODLAND	CA	95695
Other	ADDRESS	CITY	STATI	
ATTACH ADDITIONAL INFORMATION. IF IT EXISTS.	Signed Mach & Cours	04/29/08		<u>C57 A HIC - 1337</u> 8
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.	WELL DRILLER/AUTHORIZED REPRESENTATIVE	DATE SIGNED		C-57 LICENSE NUMBER

ORIGINAL

STATE OF CALIFORNIA

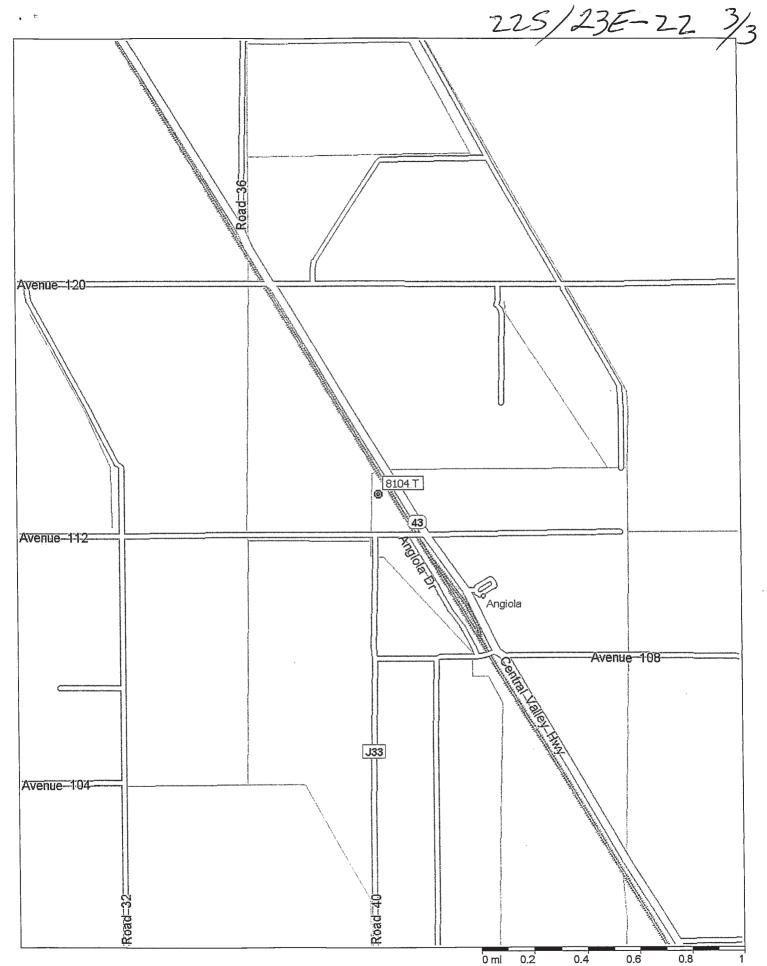
File with DWR	WELL COMPLETION REPORT
Page 2 of 2	Refer to Instruction Pamphlet
Owner's Well No. 8104	No. E072308
Date Work Began <u>1/28/2008</u>	, Ended <u>2/1/2008</u>
Local Permit Agency TULARE C	OUNTY HEALTH DEPT
	Permit Date <u>4/9/2007</u>
GEOLOG	FIC LOG —
	ANGIOLA

DWR USE ONLY DO NOT FILL IN 2
STATE WELL NO./ STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

Permit No. <u>07-0141</u> Permit Date <u>4/9/2007</u>	
GEOLOGIC LOG	WELL OWNER
ORIENTATION (Y) VERTICAL — HORIZONTAL — ANGLE — (SPECIFY)	Name ANGIOLA WATER DISTRICT
DRILLING REVERSE FLUID WATER	Mailing Address 944 WHITLEY AVE
SURFACE DESCRIPTION	CORCORAN CA 93212
Ft. to Ft. Describe material, grain, size, color, etc.	CITY STATE ZIP
0 5 CLAY TOP SOIL	Address .15 MI NOF AVE 112 & 250 WOF HWY 43
5 8 COARSE SAND	City CA
8 12 SILTY BROWN CLAY	CountyTULARE
12 16 COARSE SAND	- APN Book 291 Page 070 Parcel 010
16 95 SILTY BROWN CLAY	Township 22 S Range 23 E Section 22
95 175 SILTY TAN CLAY WITH SAND	Latitude
175 285 SILTY BLUE GRAY CLAY WITH SAND	DEG. MIN. SEC. DEG. MIN. SEC. LOCATION SKETCH ACTIVITY (\checkmark)
285 350 SAND WITH SILTY BLUE GRAY CLAY STREAKS	NORTH ACTIVITY (V)
350 365 SILTY BLUE GRAY CLAY	MODIFICATION/REPAIR
365 420 SAND WITH SILTY BLUE GRAY CLAY STREAKS	— Deepen
420¦ 435¦SILTY BLUE GRAY CLAY	Other (Specify)
435¦ 458¦SAND	DESTROY (Describe
458 500 SILTY BLUE GRAY CLAY	- DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG"
500 630 SOFT BLUE GRAY CLAY	DI ANNED LIGES (./)
630 685 SAND WITH SILTY BLUE GRAY CLAY STREAKS	WATER SUPPLY
685¦ 740¦SAND	US Domestic — Public — Domestic — Public → Irrigation — Industrial
740 745 BLUE GRAY CLAY	MONITORING —
745¦ 810¦SAND	TEST WELL
810 865 SAND WITH BRITTLE BLUE GRAY CLAY	PATHODIC PROTECTION
STREAKS	HEAT EXCHANGE
865 940 BLUE GRAY CLAY WITH SAND STREAKS	DIRECT PUSH
940 995 SAND WITH BRITTLE BLUE GRAY CLAY	INJECTION VAPOR EXTRACTION
STREAKS	SPARGING
995 1035 SAND	SOUTH REMEDIATION REMEDIATION
1035 1055 BLUE GRAY CLAY	Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.
1055 1140 BLUE GRAY CLAY WITH SAND STREAKS	
1140 1196 SAND	WATER LEVEL & YIELD OF COMPLETED WELL
1196 1205 BLUE GRAY CLAY	DEPTH TO FIRST WATER (Ft.) BELOW SURFACE
	DEPTH OF STATIC WATER LEVEL 320 (Ft.) & DATE MEASURED 4/19/2008
TOTAL DEPTH OF BORING 1090 (Feet)	ESTIMATED YIELD * 1000 (GPM) & TEST TYPE
TOTAL DEPTH OF COMPLETED WELL 1050 (Feet)	TEST LENGTH (Hrs.) TOTAL DRAWDOWN 30 (Ft.)
TOTAL DELTITOR COMMEDITED WEED 1000 (Feet)	May not be representative of a well's long-term yield.

DEPTH	BORE -		CASING (S)						$\ \ $	DEPT	ГН		ANNU	JLAR	MATERIAL	
FROM SURFACE	HOLE			E ()			INTERNAL	041105	CLOT CITE		FROM SUF	RFACE			TY	<u>Έ</u>
Ft. to Ft.	DIA. (Inches)	BLANK	SCREEN	CON-	FILL PIPE	MATERIAL / GRADE	DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)		Ft. to	Ft.	CE- MENT (<u>√</u>)	BEN- TONITI	FILL (<u>√</u>)	FILTER PACK (TYPE/SIZE)
850 940	28	✓				ASTM-135	16	.312			0	480	✓			SAND SLURRY
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ATTACHMENTS (✓) — Geologic Log — Well Construction Diagram — Geophysical Log(s) — Soil/Water Chemical Analysis — Other — ATTACH ADDITIONAL INFORMATION, IF IT EXISTS. — CATTACH ADDITIONAL INFORMATION, IF IT EXISTS. — CERTIFICATION STATEMENT II, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief. NAME EATON DRILLING CO. (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED) 20 WEST KENTUCKY AVE ADDRESS Signed WELL DRILLER/AUTHORIZED REPRESENTATIVE O4/29/08 C57 LICENSE	



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11001

ADDRE

Soil/Water Chemical Analyses

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

_ Other _

Etiwanda Ave

D REPRESENTATIVE

DED LISE NEXT CONSECUTIVELY NUMBERED FORM.

AWD02954

92337

518811

C-57 LICENSE NUMBER

CA

Fontana

Page 1 of 3 Owner's Well No. G-17 = G-20 No. E054498 Date Work Began 9/13/2007	TRIP! ICATE						OF CALIFO			DWR	use of	NLY .	<u> DO</u>	NOT FILL IN
No Post No Post No Post	Owner's Copy	لمار		المعد	WELL				RT		STATE	III.	10 / ST	ATON NO
Date Work Begon #143/2007	Page 1 of 3	010								l	J .		10,31,	TION NO.
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Permit No. 07-0438	-				•						1 1	1		
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10 10 10 10 10 10 10 10		_			DESCRIPTION			CORCORAN						
12 15 SANDY BROWN CLAY County LIARE APN Book 291 Page 110 Parcel 003 Page 141 SANDY BROWN CLAY APN Book 291 Page 110 Parcel 003 Page 141 SANDY CLAY SANDY C		*				e, color, e	etc.	CITY			OCAT	rton.	s	TATE ZIP
12 15 SANDY BROWN CLAY County LIARE APN Book 291 Page 110 Parcel 003 Page 141 SANDY BROWN CLAY APN Book 291 Page 110 Parcel 003 Page 141 SANDY CLAY SANDY C		·			CLAY	 <u>-</u>		Address RD 4	0 & A'	VE 112	LOCA	1011		
15 34 SANDY BROWN CLAY & GRAVEL APIN BOOK 291 Page 110 Parcel 903					<u> </u>			City ANGIOL	A CA					· · · · · · · · · · · · · · · · · · ·
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377 384 CLAY					05.04115	· · · · · · · · · · · · · · · · · · ·				(Ft.) B	ELOW 9	SURFAC	Ε	
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0 50 44"	Ft. to Ft.	(Inches)		1	GRADE	ł			F	. to FL		ł I	Ι.	
0 760 30" ✓ STEEL 18" 3/8" 0 700 1 1/4 X #8 760 762 30" ✓ STEEL 18" - 16 3/8" 700 1120 ✓ 6 x 16 / 1/4 # 1 762 1122 28" ✓ STEEL 16" 3/8" .050 SLO ATTACHMENTS (∠) — Geologic Log ✓ Well Construction Diagram — Geophysical Log(s) — Soil/Water Chemical Analysis — Other ATTACH ADDITIONAL INFORMATION, IF IT EXISTS. Signed WELL BRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C 700 1/4 X #8 700 1120 ✓ 6 x 16 / 1/4 # 1 CERTIFICATION STATEMENT I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief. NAME MYERS BROS. WELL DRILLING, INC. (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED) 865 LACEY BLVD. ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.	0: 50			-		ļ · · · · · · · · · · · · · · · · · · ·	EIAC	· · · · · · · · · · · · · · · · · · ·	-	0 : 50	+	(₹)	(N)	ļ
760 762 30" ✓ STEEL 18" - 16 3/8" 700 1120 ✓ 6 x 16 / 1/4 # 1 762 1122 28" ✓ STEEL 16" 3/8" .050 SLO ATTACHMENTS (∠) Geologic Log ✓ Well Construction Diagram Geophysical Log(s) Geophysical Log(s) SoilWater Chemical Analysis Other ATTACH ADDITIONAL INFORMATION, IF IT EXISTS. ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.				Н		1			-				1	
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ATTACHMENTS (∠) — Geologic Log — Well Construction Diagram — Geophysical Log(s) — SoilWater Chemical Analysis — Other — ATTACH ADDITIONAL INFORMATION, IF IT EXISTS. — I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief. NAME MYERS BROS. WELL DRILLING, INC. (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED) 8650 E, LACEY BLVD. ADDRESS Signed WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER	762 1122	28"	1	П						1120	 			0 X 10 / 1/4 # 1
— Geologic Log Well Construction Diagram — Geophysical Log(s) — SofilWater Chemical Analysis — Other ATTACH ADDITIONAL INFORMATION, IF IT EXISTS. I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief. NAME MYERS BROS. WELL DRILLING, INC. (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED) 8650 E, LACEY BLVD. HANFORD CA 93230-4844 CITY STATE ZIP STATE ZIP Signed WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER							5,0	1.500 020			 			
— Geologic Log Well Construction Diagram — Geophysical Log(s) — SofilWater Chemical Analysis — Other ATTACH ADDITIONAL INFORMATION, IF IT EXISTS. I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief. NAME MYERS BROS. WELL DRILLING, INC. (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED) 8650 E, LACEY BLVD. HANFORD CA 93230-4844 CITY STATE ZIP STATE ZIP Signed WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER											 			
✓ Well Construction Diagram								•						
Geophysical Log(s) Soil/Water Chemical Analysis Other ATTACH ADDITIONAL INFORMATION, IF IT EXISTS. Geophysical Log(s) (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED) B650 E. LACEY BLVD. ADDRESS Signed WELL BRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER			ı		I, the undersig	ned, certify th	at this report is	complete and accura	te to the	best of my knowle	dge and	belief.		
— Soll-Water Chemical Analysis — Other ATTACH ADDITIONAL INFORMATION, IF IT EXISTS. Matter Chemical Analysis 8650 E, LACEY BLVD.	I .	•			(PERS	ON, FIRM, O	R CORPORAT		INTED)		, ,			
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS. Signed WELL BRILDERIAUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER	3	Chemical Analys	sis		8650 E. L	ACEY BLY	/D	11-01))			
WELL DRILLER/AUTHORIZED REPRESENTATIVE \ DATE SIGNED C-57 LICENSE NUMBER		FORMATION IF I	T FYIS	75	Signed	(Qs							<u> </u>	548214
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TRIPLICATE Owner's Copy

Page 2 of 3

STATE OF CALIFORNIA

WELL COMPLETION REPORT

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No. E054498

Owner's Well No. G-17	we like the first of the series bendered the State of
Date Work Began 9/13/2007	_, Ended 10/9/2007
Local Permit Agency TULARE CO	
. 07 0400	Permit Date

	STATE WELL NO./ STATION NO.												
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DWR USE ONLY -- DO NOT FILL

Permit	No. 07	7-0438 Permit Date 9/11/2007	APN/TRS	/OTHER
7 011111	110	GEOLOGIC LOG	WELL OWNER -	
ODICATI	ON (./)	VERTICAL HORIZONTAL ANGLE (SPECIFY)	ANGIOLA MATER DIOT	
ORIENTATI	ON (<u>*</u> .)	DRILLING	Mailing Address 944 WHITLEY AVE. SUIT	F
DEPTH F SURFA		METHOD REVERSE FLUID	CORCORAN	CA 93212
Ft. to	Ft.	Describe material, grain, size, color, etc.	CITY	STATE ZIP
384	399	COARSE SAND & GRAVEL	Address RD 40 & AVE 112 WELL LOCATION	
399	411	SANDY CLAY	City ANGIOLA CA	
411	416	SAND	County TULARE	
416	436	CLAY	APN Book 291 Page 110 Parcel 003	
436	455	COARSE SAND	Township 22 S Range 23 E Section 34	***************************************
455	482	SANDY CLAY	Latitude L	1 (
482	547	CLAY	DEG. MIN. SEC.	DEG. MIN. SEC.
547	553	SAND	LOCATION SKETCH————————————————————————————————————	ACTIVITY (Z) —
553	594	CLAY	, NONTH	→ NEW WELL
594	607	SANDY CLAY	1	MODIFICATION/REPAIR Deepen
607	663	CLAY	The state of the s	— Deepen — Other (Specify)
663	672	SANDY CLAY	1	
672	718	CLAY		DESTROY (Describe Procedures and Materials
718	740	SANDY CLAY	1	Under "GEOLOGIC LOG"
740	786	SAND	1	PLANNED USES(∠) WATER SUPPLY
786	810	SANDY CLAY	WEST	Domestic Public
810	826	CLAY	1× 2	trigation Industrial
826	847	SAND	1	MONITORING
847	861	COARSE SAND		CATHODIC PROTECTION
861	884	SANDY CLAY	•	HEAT EXCHANGE
884	903	CLAY		DIRECT PUSH
903	941	SAND		INJECTION
941	960	CLAY		VAPOR EXTRACTION SPARGING
960	987	COARSE SAND	SOUTH —	REMEDIATION
987	1004	SANDY CLAY	Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if	OTHER (SPECIFY)
1004	1011	SAND	necessary. PLEASE BE ACCURATE & COMPLETE.	
1011	1025	COARSE SAND	WATER LEVEL & YIELD OF COMPL	ETED WELL
1025	1041	CLAY	DEPTH TO FIRST WATER (FL) BELOW SURFACE	Ē
1041	1058	SAND	DEPTH OF STATIC	
1058	1064	CLAY	WATER LEVEL (Ft.) & DATE MEASURED	
TOTAL DEP	TH OF E	ORING 1120 (Feet)	ESTIMATED YIELD * (GPM) & TEST TYPE	
		COMPLETED WELL 1120 (Feet)	TEST LENGTH (Hrs.) TOTAL DRAWDOWN	

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DENI	Ĭ .
	FILTER PACK (TYPE/SIZE)
	SIX SACK
✓	1/4 X #8
✓	6 x 16 / 1/4 # 1

	ATT	ACI	IMENTS	(∡)	
	Geok	ogic	Log		
✓_	Well	Co	nstruction	Diagram	

Geophysical Log(s) ---- Soil/Water Chemical Analysis

_ Other . ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

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

NAME_MYERS BROS. WELL DRILLING, INC.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

8650 E. LACEY BLVD.

ADDRESS

CITY

Signed WELL DRILLER/AUTHORIZED REPRESENTATIVE

DWR 188 REV. 11-97

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

93230-4844

548214 C-57 LICENSE NUMBER

10/12/07

••			iii (Bri,∓r Torri) —				
TRIPLICATE Owner's Copy	WELL COMPLETIO	ON REPORT		— DO NOT FILL IN			
Page 3 of 3 Owner's Well No Date Work Began Local Permit A	G-17 No. E05 9/13/2007 Ended 10/9/2007 gency TULARE COUNTY	•	LATITUDE LONGITUDE APPN/TRS/OTHER				
Permit No. 0 ORIENTATION (∠)	GEOLOGIC LOG Permit Date 9/11/2007 GEOLOGIC LOG VERTICAL HORIZONTAL ANGLE (SPECIFY)	Name ANGIOLA W	WELL OWNER	SOTIEN			
DEPTH FROM SURFACE Ft. to Ft.	DRILLING REVERSE FLUID DESCRIPTION Describe material, grain, size, color, etc.	Mailing Address 94 CORCORAN	4 WHITLEY AVE. SUI	CA 93212			
1064 1081	COARSE SAND SANDY CLAY	Address RD 40 & A'	VE 112 WELL LOCATION				
	SAND CLAY	County TULARE	Page 110 Parcel 00	3			
		Township 22 S I Latitude DEG. MIN. LOCAT	Range 23 E Section 34 SEC. SEC. JON SKETCH	DEG. MIN. SEC. ACTIVITY (🛂)			
			NORTH	MODIFICATION/REPAIR Deepen Other (Specify)			
				DESTROY (Describe Procedures and Materia Under "GEOLOGIC LOG			

TEST LENGTH ___ (Hrs.) TOTAL DRAWDOWN_ TOTAL DEPTH OF COMPLETED WELL 1120 (Feet) May not be representative of a well's long-term yield. CASING (S) DEPTH FROM SURFACE DEPTH FROM SURFACE ANNULAR MATERIAL BORE HOLE TYPE TYPE BLANK GAUGE OR WALL THICKNESS SLOT SIZE DIA. MATERIAL / GRADE INTERNAL CE-BEN-FILTER PACK (TYPE/SIZE) (Inches) DIAMETER MENT TONITE FILL Ft. to (Inches) to Ft. (Inches) **(**∠) (⊻) 0 44" 50 STEEL 36" 5/16" 0 50 SIX SACK 0 30" 760 700 STEEL 18" 3/8" 0 1/4 X #8 760 762 30" STEEL 18" - 16 3/8" 700 1120 6 x 16 / 1/4 # 1 762 28" 1122 STEEL 16" 3/8" .050 SLO

TOTAL DEPTH OF BORING 1120

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

DEPTH TO FIRST WATER-

DEPTH OF STATIC WATER LEVEL ..

ESTIMATED YIELD .__

WATER LEVEL & YIELD OF COMPLETED WELL

- (Ft.) & DATE MEASURED .

__ (GPM) & TEST TYPE_

.... (FL) BELOW SURFACE

			I. I
ATTACHMENTS ()	CERTIFICATION	STATEMENT	
Geologic Log	I, the undersigned, certify that this report is complete and accurate to the t	est of my knowledge and belief	i.
	NAME MYERS BROS. WELL DRILLING, INC.		
Geophysical Log(s)	(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)		
Soil/Water Chemical Analysis	8650 E. LACEY BLVD.	HANFORD	CA 93230-4844
Other	ADDRESS	CITY	STATE ZIP
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.	Signed		548214
ATTAOTTADDITIONAL IN ORMATION, IF IT EXISTS.	WELL DRILLER/AUTHORIZED REPRESENTATIVE	DATE SIGNED	C-57 LICENSE NUMBER
DWR 188 REV. 11-97 IF ADDITION	NAL SPACE IS NEEDED. USE NEXT CONSECUTIVELY NUMBER	ED FORM	

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

PLANNED USES(∠) WATER SUPPLY

Domestic Public Industrial MONITORING TEST WELL CATHODIC PROTECTION. HEAT EXCHANGE. DIRECT PUSH, INJECTION . VAPOR EXTRACTION . SPARGING

> REMEDIATION OTHER (SPECIFY).

File Original with DWR	WELL COMPLETI										DWR L	ISE ON	LY _	DC	NOT FILL IN			
Page 1 of 2						Refer to 1	nstruction I	Pai	mphlet			STATE	WELL N	O./STA	TION NO.			
Owner's Well No).		3 / E	-22			lo	•	e007 <u>8570</u>			11	_	1				
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Local Permit Ag	ency			Tula	are County Env					_ _								
Permit No		08-	0248	3	Permit	t Date	5	5/19/08 APN/TRS/OTHER										
					C LOG			Т-			- WELL							
ORIENTATION (X)	X_\	/ERTIC	AL _		HORIZONTAL	ANGLE	(SPECIFY)	1	Name		Angiola							
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370 380	Sand,							A	APN Book 29	93 Page	230	Parce	el		01			
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							1	WATER LEVEL & YIELD OF COMPLETED WELL										
								DEPTH TO FIRST WATER Unknown (Ft.) BELOW SURFACE										
								DEPTH OF STATIC 328.95 (Et) & DATE MEASURED 9/30/08-10/3/08										
								water level 320.93 (Ft.) & date measured 9730/08-10/3/08 estimated yield 2075 (GPM) & test type Step and constant pump										
TOTAL DEPTH OF I	BORING	1	160	(F	eet)				EST LENGTH	5 (Urs) T	_ (GPM) & OTAL DRAW	DOMNI	74.08	(Ft.)				
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0 640	26	X			Steel	16	.375			500	510				Hole Plug			
640 700	26		X		Steel	16	.312		.060 Full Flow	510	1140			X	1/4 x 10 Greenfield Gravel Pack			
700 720	26	X			Steel	16	.375											
720 800	26		X		Steel	16	.312		.060 Full Flow		1							
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(PERSON, FIRM, OR CORPORA)									(ט:		_							
Spill Mater Chamical Analyses						1001 Etiv	w a	inda Ave			Fonta	ana,		<u>Ca</u> 92337				
Other Signed							WWW	1	.		CITY	10	7/08	3 STAT	510011			
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Page 2 of 2					W CLL '	Refer to Ir	LETIU struction Pa	IN REFUR	1 -		STATE	WELL N	O./STAT	ION NO.	
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Local Permit Age					are County Env	ironment			_ L		بللل		1.071150		
Permit No			0248		Permit	Date	5/1	9/08	_			PN/TRS	OTHER		
					CLOG —						LL OWN				
ORIENTATION (X)	X_V DRILLIN	ERTIC	AL _ —		HORIZONTAL	ANGLE	_ (SPECIFY)	Name			ola Wate 944 Whit			<u>Λ</u>	
DEPTH FROM	METHO	D _	Re	vers	se Rotary F DESCRIPTION	LUID		Mailing Address	Corc		744 WIIII	iey A		Ca	93212
SURFACE FL to Ft.		Des	cribe		verial, grain size	. color. etc	. 1	CITY			L LOCATI	ON		ATE	ZIP
FL to Ft.					9, 11, 19, 11, 11, 11, 11, 11, 11, 11, 1	, , , , , , , , , , , , , , , , , , , ,		Address		MELI Mi	E Hwy 4	3 off A	Ave 1	08	
								City		cora				Ca	93212
								County	Tula	re Co	ounty		S1	ATE	ZIP
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Ft. to Ft.	(inches)	BLANK	SCREEN CON. DUCTOR	FILL PIPE	GRADE	DIAMETER (inches)	OR WALL THICKNESS	IF ANY (Inches)	Ft. to	Ft.	MENT	TONITE	FILL		ER PACK PE/SIZE)
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ATTACH	MENTS (·	^		- CERTIFICATIO							
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X Well Construction Diagram NAME (PERSON, FIRM OR CORPORATIO								Layne Ch	iristensen	Com	грапу				
0							1001 Etiw		•		Fonta	ana.		Ca	92337
Soil/Water Chemical Analyses ADDRESS							ALA L	- Linda I k T C		— -	CITY IN	7/2	STAT		16611
Other					_ Signed	HORII MA	MORIZET REP	RESENTATIVE			— IOI	//U			NSE NUMBER
ATTACH ADDITIONAL IN	FORMATIO	ON, IF	IT EXIS	STS.											
			IE DE	דוחו	IONAL SPACE IS	NEEDED	HEYT C	ONSECTITIVELY !	HIMPEDEL	EODI					

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STATE OF CALIFORNIA ELL COMPLETIO

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Refer	to	Instruction	Pamphlei	!

	DWR	USE	ONLY		DO_	NOT	FILL	IN,		
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STATE WELL NO./ STATION NO.										
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Page	1 of	2		
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Owner's Well No. E-21

Date Work Began 10/27/2007

Permit No. 07-0479

Local Permit Agency TULARE COUNTY

-, Ended 11/16/2007

No. E062799

Permit Date _10/2/2007

	SIA	IIE W	/ELL	. NO.	151	AHO	N NO	١.	
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LATITU	DE					LONG	SITUD	E	
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APN/TRS/OTHER

GEOLOGIC LOG WELL OWNER Name ANGIOLA WATER DIST. ORIENTATION (✓) VERTICAL ____ HORIZONTAL ___ ANGLE ____(SPECIFY) DRILLING METHOD REVERSE Mailing Address 944 WHITLEY AVE. SUITE - FLUID DEPTH FROM CORCORAN CA 93212 DESCRIPTION SURFACE Describe material, grain, size, color, etc. STATE ZIP Address AVE 108, & HWY 43 0 10 SANDY BROWN CLAY 10 13 MEDIUM SAND City ANGIOLA CA 13 28 SANDY BROWN CLAY County TULARE 28 37 MEDIUM SAND Page 230 Parcel 001 APN Book 293_ 37 50 SANDY BROWN CLAY Township 22 S Range 23 E Section 25 67 CLAY 50 Latitude 67 94 FINE SAND DEG. MIN. SEC. MIN. SEC LOCATION SKETCH -ACTIVITY (∠) 94 107 CLAY NORTH ✓ NEW WELL 107 111 SAND MODIFICATION/REPAIR 111 146 CLAY --- Deepen 146 164 SANDY CLAY - Other (Specify) 164 192 SAND DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG" 192 207 SANDY CLAY 207 239 SAND COND 108 PLANNED USES(∠) 239 268 CLAY WATER SUPPLY 268 304 SANDY CLAY Domestic ___ Public ✓ Irrigation _ 304 309 SAND MONITORING -309 332 CLAY TEST WELL. 332 351 SAND CATHODIC PROTECTION_ 351 356 SANDY CLAY HEAT EXCHANGE. 356 401 SAND DIRECT PUSH 401 INJECTION _ 426 SANDY CLAY VAPOR EXTRACTION 426 447 SAND SPARGING _ 447 454 CLAY SOUTH REMEDIATION. Illustrate or Describe Distance of Well from Roads. Buildings. 454 470 SAND Fences, Rivers, etc. and attach a map. Use additional paper necessary. PLEASE BE ACCURATE & COMPLETE. OTHER (SPECIFY) 492 SANDY CLAY 470 492 596 CLAY WATER LEVEL & YIELD OF COMPLETED WELL 596 616 SANDY CLAY DEPTH TO FIRST WATER- (Ft.) BELOW SURFACE 616 633 CLAY DEPTH OF STATIC WATER LEVEL . _ (Ft.) & DATE MEASURED . 633 643 SAND ESTIMATED YIELD * ____ (GPM) & TEST TYPE TOTAL DEPTH OF BORING 1220 TEST LENGTH (Hrs.) TOTAL DRAWDOWN__ TOTAL DEPTH OF COMPLETED WELL 1200 (Feet) May not be representative of a well's long-term yield.

	DEPTH			CASING (S)							DEPTH			ANNULAR MATERIAL			
FROM SURFACE		BORE - HOLE DIA.	_	TYPE (FROM SURFACE					TY	PE
Ft. to) Ft.	(Inches)	BLANK	SCREEN	CON	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	Ft. to Ft.		CE- MENT	BEN- TONITE (✓)	E FILL (<u>√</u>)	FILTER PACK (TYPE/SIZE)	
0	50	44"			✓		STEEL	34"	5/16"			0	50	\			SIX SACK
0	640	28"	✓	1			STEEL	16"	3/8"			0	600			✓	1/4
640	1200	28"		✓			STEEL	16"	5/16"	.060 DBL	6	00	1220			√	6 X 16
			-								-						

		;		
ATTACHMENTS (∠)		ERTIFICATION STATEM	1ENT	
Geologic Log	I, the undersigned, certify that this report is comple			
	NAME MYERS BROS. WELL DRILL			
Geophysical Log(s)	(PERSON, FIRM, OR CORPORATION) (C			
- Soil/Water Chemical Analysis	8650 E. LACEY BLVD.) HANFO	ORD C	CA 93230-4844
Other	ADDRESS () ()	0 0 CI	TY 5	STATE ZIP
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.	Signed		11/26/07	548214
	WELL DRILLER/AUTHORIZED REPRES	ENTATIVE	DATE SIGNED	C-57 LICENSE NUMB
DWR 188 REV. 11-97 IF ADDITION	AL SPACE IS NEEDED, USE NEXT CONSE	CUTIVELY NUMBERED FORM	4	

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

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Ps	ige 2 of 2

STATE OF CALIFORNIA

COMPLETION REPORT Refer to Instruction Pamphlet

g				
Owner's	Well	No.	E-21	

No. E062799

_, Ended 11/16/2007 Date Work Began 10/27/2007 Local Permit Agency TULARE COUNTY Permit No. <u>07-0479</u>

__ Permit Date __10/2/2007

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	APN/TRS/OTHER										

		GEOLOGIC LOG	WELL OWNER -	
ORIENTA	TION (≰)	VERTICAL HORIZONTAL ANGLE(SPECIFY)	Name ANGIOLA WATER DIST.	
	· ,	DRILLING METHOD REVERSE FLUID	Mailing Address 944 WHITLEY AVE. SUIT	F
DEPTH SURF		DESCRIPTION	CORCORAN	CA 93212
Ft. to		Describe material, grain, size, color, etc.	CITY	STATE ZIP
643	668	SANDY CLAY	Address AVE 108, & HWY 43	- · · · · · · · · · · · · · · · · · · ·
668	677	CLAY	City ANGIOLA CA	
677	694	SAND	County TULARE	· · · · · · · · · · · · · · · · · · ·
694	703	CLAY	APN Book 293 Page 230 Parcel 001	
703	716	SANDY CLAY	Township 22 S Range 23 E Section 25	
716	738	SAND	Latitude	
738	743	CLAY	DEG. MIN. SEC.	DEG. MIN. SEC.
743	760	SANDY CLAY	LOCATION SKETCH	ACTIVITY (🗹)
760	794	SAND	NORTH	→ NEW WELL
794	799	CLAY		MODIFICATION/REPAIR Deepen
799	811	SANDY CLAY		Other (Specify)
811	863	SAND		
863	882	CLAY		DESTROY (Describe Procedures and Materials
882	910	SAND		Under "GEOLOGIC LOG"
910	932	CLAY		PLANNED USES(∠) WATER SUPPLY
932	941	SAND	TS:	Domestic Public
941	962	SANDY CLAY	WEST	
962	991	SAND		MONITORING TEST WELL
991	1002	CLAY		CATHODIC PROTECTION
1002	1013	SANDY CLAY		HEAT EXCHANGE
1013	1018	CLAY		DIRECT PUSH
1018	1026	SAND		INJECTION
1026	1063	SANDY CLAY		VAPOR EXTRACTION SPARGING
1063	1091	SAND	SOUTH	REMEDIATION
1091	1099	CLAY	Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if	OTHER (SPECIFY)
1099	1126	SAND	necessary, PLEASE BE ACCURATE & COMPLETE.	
1126	1150	CLAY	WATER LEVEL & YIELD OF COMPL	ETED WELL
1150	1164	SANDY CLAY	DEPTH TO FIRST WATER (Ft.) BELOW SURFACE	
1164	1176	SAND	DEPTH OF STATIC	
1176	1220	CLAY	WATER LEVEL (Ft.) & DATE MEASURED _	
TOTAL DE	PTH OF F	BORING 1220 (Feet)	ESTIMATED YIELD * (GPM) & TEST TYPE	
		COMPLETED WELL 1200 (Feet)	TEST LENGTH (Hrs.) TOTAL DRAWDOWN	
		(100)	May not be representative of a well's long-term yield	d

DEPTH FROM SURFACE		BORE -		CASING (S)							DEPTH			ANNULAR MATERIAL			
		BORE - HOLE DIA.			E (<u>/</u>		INTERNAL	041105	0:	FROM SURFACE					TY	PE	
Ft. to	o Ft.	(Inches)	BLANK	SCREEN	CON- DUCTOR	MATERIAL / GRADE	DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	Ft.	to	Ft.	CE- MENT	BEN- TONITE	E FILL	FILTER PACK (TYPE/SIZE)	
0	50	44"			1	STEEL	34"	5/16")	50	√	· \		SIX SACK	
0	640	28"	1	<u> </u>		STEEL	16"	3/8")	600			✓	1/4	
640	1200	28"		✓	11	STEEL	16"	5/16"	.060 DBL	600		1220			✓	6 X 16	
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 ATTACHMENTS	(∡)

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

CERTIFICATION STATEMENT

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

NAME MYERS BROS. WELL DRILLING, INC.

(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

8650 E. LACEY BLVD. ADDRESS HANFORD

WELL DRILLER/AUTHORIZED REPRESENTATIVE

CITY 11/26/07 DATE SIGNED

93230-4844 STATE
548214
C-57 LICENSE NUMBER

DWR 188 REV. 11-97

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Appendix C

Groundwater Level Field Measurement Form





Sheet	of.
JIICCL	 JI

Field Groundwater Level Measurements

Well Name/ Number:	Checked By:
Project:	Field Personnel:

Well Name/Owner	Date	Time	Reference Point Elevation (ft)	Depth To Groundwater (ft)	Groundwater Elevation (ft)	Instrument Type

Appendix D

Chalk/Tape Groundwater Level Measurement





Sheet	of	

Chalk/Tape Groundwater Level Measurements

Recorded By:

А	В	С	D	E	F	G	Н
Well Name/Owner	Date	Time	Reference Point Elevation (ft)	Tape Measurement at Reference Point	Chalk Measurement	Depth To Groundwater (ft) (E - F)	Groundwater Elevation (ft) (D - G)

Appendix E

Quality Assurance Project Plan





ELEMENT 1: TITLE AND APPROVAL SHEETS

Draft Tule Basin Water Quality CoalitionSurface Water and Groundwater Monitoring Plan

Quality Assurance Program Plan

Revision July 1, 2019

Approvals	
R.L. Schafer, RCE, RAE Tule Basin Water Quality Coalition Program Coordinator	Date
David De Groot, RCE 4Creeks, Inc. Project Manager, Technical Lead	Date
Michelle Parker R.L Schafer & Associates Quality Assurance Manager, Laboratory C	Date Goordinator
Belinda C. Vega, Laboratory Director BSK Associates Laboratory Program Manager	Date

Draft Tule Basin Water Quality CoalitionSurface Water Monitoring Plan

Quality Assurance Program Plan

Revision July 1, 2019

Approvals, cont.	
David Sholes, Non-Point Source/AG Planning California Regional Water Quality Control Board QAPP Review	Date
Renee Spears, Quality Assurance Officer State Water Resources Control Board QAPP Review	Date

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