### Water Use Management Plan

### **Purpose and Overview**

Ursa Valley, LLC (Ursa Valley) is seeking a Major Use Permit and an Early Activation of Use Permit from the County of Lake, for a proposed commercial cannabis cultivation operation at 10950 Bachelor Valley Road near Witter Springs, California on Lake County APNs 002-046-15 and 16 (Project Parcels). Ursa Valley's proposed commercial cannabis cultivation operation will be composed of twelve (12) 43,560 ft² A-Type 3 "Medium Outdoor" cultivation/canopy areas, an 8' X 20' (160 ft²) Pesticide & Agricultural Chemicals Storage Area (proposed metal shipping/storage container), and a 10' X 12' (120 ft²) Security Center/Shed (proposed wooden building). The growing medium of the proposed outdoor cultivation/canopy area(s) will be an amended native soil mixture at or below grade, with drip irrigation systems covered in white plastic mulch (to conserve water resources). All water for the proposed cultivation operation will come from five existing onsite groundwater wells.

This Water Use Management Plan (WUMP) is designed to conserve Lake County's water resources and to ensure that the proposed cultivation operation's water use practices are in compliance with applicable County, State, and Federal regulations at all times. This WUMP focuses on designing a water efficient delivery system and irrigation practices, and the appropriate and accurate monitoring and reporting of water use practices. Also included in this WUMP is a description of the Water Resources of the Project Property, and a Water Availability Analysis.

### **Description of Water Resources**

### **Surface Water**

The Project Property is located in the northeastern portion of Bachelor Valley, within the Lower Scotts Creek Watershed (HUC 12). An unnamed intermittent Class III watercourse (NHD/DFG Water ID: 156361727) flows from north to south, through the eastern third of the Project Parcels. Two ephemeral Class III watercourses form in the northern half of the Project Property and flow south into the unnamed intermittent Class III watercourse. Additionally, there is a pond/off-stream water storage reservoir in the southwestern corner of the Project Property, that was developed in 2004/2005 (from satellite imagery) and now has some fringe hydrophytic vegetation. All cultivation areas and associated facilities of the proposed cultivation operation will be located more than 100 feet of any surface waterbody.

### Groundwater

Soils of the Project Parcel are identified as Lupoyoma silt and Still loams by the NRCS Web Soil Survey (attached), and characterized as well-drained alluvium derived from sandstone and shale. The United States Geological Survey Map of the Ukiah Sheet defines the area in the vicinity of the Project Property as Quarternary Alluvium surrounded by hills and mountains of the Franciscan Formation. The Project Property is located in the Upper Lake Valley Groundwater Management Plan Area and Upper Lake Groundwater Basin as identified in the 2006 Lake County Groundwater Management Plan. The Upper Lake Basin is composed of three valleys: Middle Creek Valley, Clover Valley, and Bachelor Valley. Bachelor Valley is in the Scott's Creek Inventory Unit, which is bounded primarily by the Franciscan Formation, and by Middle Creek Valley to the southeast. Groundwater recharges the Upper Lake Basin at the mouths of canyons and around the periphery of the basin, and from stream channels during the wet season. Groundwater levels in the Upper Lake Basin are shallow and have remained relatively constant for decades, with water levels in the basin rising to within 10 feet of the ground surface each spring.

There are seven existing groundwater wells on the Project Property, five of which will serve as the primary water sources for the propose cultivation operation (please see the attached Site Plans for well locations). The Well Completion Report for groundwater well "GW-1", located at Latitude: 39.193043° and Longitude: -122.966172°, indicates that it was drilled in 2003, through soft brown clay with some imbedded gravels and into blue and black shale, to a depth of 71 feet below ground surface (Well Completion Report attached). At the time it was drilled, this well had an estimated yield of 20 gallons per minute. A recent test of this groundwater well concluded that this well can still produce at least 6 gallons per minute. The Well Completion Report for the groundwater well "GW-2", located at Latitude: 39.194465° and Longitude: -122.963735°, indicates that it was drilled in 2016, through brown silt with some imbedded gravels, fractured sandy rock, and into shale, to a depth of 100 feet below ground surface (Well Completion Report attached). At the time it was drilled, this well had an estimated yield of 30 gallons per minute. A recent test of this groundwater well concluded that this well can still produce at least 22 gallons per minute. The Well Completion Report for the groundwater well "GW-3", located at Latitude: 39.193879° and Longitude: -122.965919°, indicates that it was drilled in 2020, through soft brown clay with some imbedded gravels and into shale, to a depth of 71 feet below ground surface (Well Completion Report attached). At the time it was drilled, this well had an estimated yield of 14 gallons per minute. A recent test of this groundwater well concluded that this well can still produce at least 14 gallons per minute. The Well Completion Report for the groundwater well "GW-4", located at Latitude: 39.194529° and Longitude: -122.966134°, indicates that it was drilled in 2020, through soft brown clay with some imbedded gravels, olive colored soft sticky clay with imbedded gravels, and into shale, to a depth of 74 feet below ground surface (Well Completion Report attached). At the time it was drilled, this well had an estimated yield of 7 gallons per minute. A recent test of this groundwater well concluded that this well can still produce at least 7 gallons per minute. The Well Completion Report for the groundwater well "GW-5", located at Latitude: 39.193254° and Longitude: -122.964859°, indicates that it was drilled in 2020, through clay and shale, to a depth of 71 feet below ground surface (Well Completion Report attached). At the time it was drilled, this well had an estimated yield of 12 gallons per minute. A recent test of this groundwater well concluded that this well can still produce at least 12 gallons per minute.

### **Water Resources Protection**

Ursa Valley will maintain existing, naturally occurring, riparian vegetative cover (e.g., trees, shrubs, and grasses) in aquatic habitat areas to the maximum extent possible to maintain riparian areas for streambank stabilization, erosion control, stream shading and temperature control, sediment and chemical filtration, aquatic life support, wildlife support, and to minimize waste discharges. Access roads and parking areas are/will be graveled to prevent the generation of fugitive dust, and vegetative ground cover will be preserved and/or re-established as soon as possible throughout the entire site to filter and infiltrate stormwater runoff from the access roads, parking areas, and the proposed cultivation operation. Personnel will have access to the portable restroom facilities at all times when onsite, and those restroom facilities will be established in a location that is at least 100 feet from any surface water body, and serviced regularly.

The Project Parcel was enrolled for coverage under the State Water Resources Control Board's Cannabis General Order (Order No. WQ-2019-0001-DWQ), as a Tier 2 Low Risk Discharger on September 9<sup>th</sup>, 2020. Site Management and Nitrogen Management Plans will be developed for the proposed cultivation operation, and submitted to the Central Valley Regional Water Quality Control Board (CVRWQCB) for review, prior to planting. Each year, prior to March 1<sup>st</sup>, an Annual Monitoring Report will be prepared and submitted to the CVRWQCB, demonstrating measures taken over the course of the previous year to comply with the Cannabis General Order. Ursa Valley will maintain compliance with the Cannabis General Order for the protection of water resources for as long as the proposed cultivation operation is operating.

### **Water Sources and Storage**

All water for the proposed cultivation operation will come from five of the seven existing onsite groundwater wells. NSF/ANSI 61 compliant positive displacement mechanical brass totalizing meters and Well Watch 670 sonic water level meters equipped with data logging capabilities, will be installed on the water supply groundwater wells prior to operation. In September and December of 2020, a series of tests were performed to thoroughly evaluate the production capacity of the groundwater wells. The results and conclusions of these tests are summarized in the table below.

| Well ID | Latitude   | Longitude    | Estimate Yield |
|---------|------------|--------------|----------------|
| "GW-1"  | 39.193043° | -122.966172° | 6 GPM          |
| "GW-2"  | 39.194465° | -122.963735° | 22 GPM         |
| "GW-3"  | 39.193879° | -122.965919° | 14 GPM         |
| "GW-4"  | 39.194529° | -122.966134° | 7 GPM          |
| "GW-5"  | 39.193254° | -122.964859° | 12 GPM         |

Ursa Valley will use the existing onsite pond/off-stream water storage reservoir with an estimated capacity of one acre-foot (325,851 gallons), to store water from the five groundwater wells outlined above, for the proposed cultivation operation.

### **Irrigation**

Ursa Valley proposes use the existing onsite pond/off-stream water storage reservoir with an estimated capacity of one acre-foot (325,851 gallons), to store water from the five groundwater wells outlined above, for the proposed cultivation operation. Ursa Valley may develop additional water storage on the Project Parcel, in the form of heavy-duty plastic water storage tanks, should it be needed to support the irrigation and fire protection needs of the proposed cultivation operation. Water storage tanks will be equipped with float valves to shut off the flow water from the wells and prevent the overflow and runoff of irrigation water when full. HDPE water supply lines will feed irrigation water from the pond/off-stream water storage reservoir to the irrigation systems of the proposed cultivation/canopy area(s). The water supply lines will be equipped with safety valves, capable of shutting off the flow of water so that waste of water and runoff is prevented/minimized when leaks occur and the system needs repair, and inline water meters compliant with California Code of Regulations, Title 23, Division 3, Chapter 2.7. Ursa Valley will maintain daily water meter readings records for a minimum of five years, and will make those records available to Water Boards, CDFW, and Lake County staff upon request. The irrigation system of the proposed cultivation/canopy areas will be composed of PVC piping and drip tapes/lines under white plastic mulch (to conserve water resources).

### **Water Availability Analysis**

All water for the proposed cultivation operation will come from five of the seven existing groundwater wells of the Project Property. NSF/ANSI 61 compliant positive displacement mechanical brass totalizing meters and Well Watch 670 sonic water level meters equipped with data logging capabilities, will be installed on the water supply groundwater wells prior to operation. In September of 2020, a series of tests were performed by AAA Pump Service (License No. 644864) to thoroughly evaluate the production capacity of groundwater wells "GW-1" and "GW-2". The results and conclusions of these tests, indicate that groundwater well "GW-1", (located at Latitude 39.193043° and Longitude -122.966172°) can produce over 6 gallons per minute; and that groundwater well "GW-2" (located at Latitude 39.194465° and Longitude -122.963735°) can produce at least 22 gallons per minute (please see the attached AAA Pump Test Reports). In December of 2020, a series of tests were performed by Hutton Drilling (License No. 522306) to thoroughly evaluate the production capacity of groundwater wells "GW-3", "GW-4", and "GW-5". The results and conclusions of these tests, indicate that groundwater well "GW-3" (located at Latitude: 39.193879° and Longitude: -122.965919°) can produce at least 14 gallons per minute; that groundwater well "GW-4" (located at Latitude: 39.194529° and Longitude: -122.966134°) can produce at least 7 gallons per minute; and that groundwater well "GW-5"

(located at Latitude: 39.193254° and Longitude: -122.964859°) can produce at least 12 gallons per minute (please see the attached Hutton Drilling Pump Test Reports).

Another Lake County Commercial Cannabis Cultivation Operation that uses very similar cultivation practices to that of Ursa Valley's proposed cultivation practices (outdoor cultivation in amended native soil with drip tapes/lines under white plastic mulch) used ~880,000 gallons of water to irrigate 83,000 ft² of cultivation/canopy area throughout the 2019 cultivation season (please see attached 2019 Water Use Report). Based on this empirical data, Ursa Valley expects to use approximately 462,000 gallons of water each year/cultivation season per acre of outdoor cultivation/canopy area, with a total expected water usage of 5,544,000 gallons (or ~17 acrefeet) each year/cultivation season for their proposed cultivation operation. The cultivation season for the proposed cultivation operation will begin in May and end in November of each year. The following table presents the expected water use of the proposed cultivation operation by month during the cultivation season in gallons and acre-feet.

| May     | June    | July    | Aug       | Sept      | Oct     | Nov     |
|---------|---------|---------|-----------|-----------|---------|---------|
| 277,000 | 880,000 | 977,500 | 1,075,000 | 1,303,000 | 815,000 | 228,000 |
| 0.8     | 2.7     | 3.0     | 3.3       | 4.0       | 2.5     | 0.7     |

The peak anticipated daily demand for water of the proposed cultivation operation is ~43,500 gallons per day, with an average daily water demand of ~26,400 during the cultivation season. Ursa Valley's five existing onsite groundwater wells can produce at least 60 gallons per minute (combined), or 86,400 gallons per day. Two of the seven existing onsite groundwater wells, in conjunction with the existing onsite pond/off-stream water storage reservoir, have been used to irrigate an approximately 24-acre walnut orchard on the Project Property for last four years. There is no doubt that the existing onsite groundwater wells of the Project Property, with the water storage capacity of pond/off-stream water storage reservoir, will be able to provide enough water for the proposed cultivation operation on the hottest driest days in the latest part of the summer when irrigation water is needed most.

### **Water Conservation**

Per the Water Conservation and Use requirements outlined in the SWRCB's Cannabis General Order, the following Best Practical Treatment and Control (BPTC) measures will be implemented to conserve water resources:

- Regularly inspect the entire water delivery system for leaks and immediately repair any leaky faucets, pipes, connectors, or other leaks.
- Apply weed-free mulch in cultivation areas that do not have ground cover to conserve soil moisture and minimize evaporative loss.
- Implement water conserving irrigation methods (drip or trickle and micro-spray irrigation).

- Maintain daily records of all water used for irrigation of cannabis. Daily records will be calculated by using a measuring device (inline water meter) installed on the main irrigation supply line between the water storage area and cultivation areas.
- Install float valves on all water storage tanks to keep them from overflowing onto the ground.

### **Monitoring and Reporting**

NSF/ANSI 61 compliant positive displacement mechanical brass totalizing meters and a Well Watch 670 sonic water level meters equipped with data logging capabilities will be installed on the existing water supply groundwater wells prior to operation. Inline water meters compliant with California Code of Regulations, Title 23, Division 3, Chapter 2.7 will be installed on the main water supply lines running between the pond/off-stream water storage reservoir and the proposed cultivation operation. Ursa Valley's staff will record daily water meter readings, and will maintain those records onsite for a minimum of five years. Ursa Valley will make those records available to Water Boards, CDFW, and Lake County staff upon request.

| File O | riginal with                  | DWR                              |   | 140 2 2 2040                        | s                             | tate of Ca                      | ifornia         | Ĩ                                     |                | DV                           | VR Use Only   | - Do Not Fill In                                  |               |
|--------|-------------------------------|----------------------------------|---|-------------------------------------|-------------------------------|---------------------------------|-----------------|---------------------------------------|----------------|------------------------------|---|---|---------------|
|        |                               |                                  | 97                                      | IAR 2 3 7016                        | Well Co                       |                                 |                 | ort                                   |                | a NI                         | TOW   | 134   |               |
|        |                               | of <u>1</u><br>umber #1          |   |                                     |                               | e0303                           |                 |                                       |                | Sta                          |   | per/Site Number                                   |               |
|        |                               |                                  | 2016                                    | Date Work                           |                               | Š                               |                 |                                       |                | Latitude                     | l N   | Longitude   | _   W]        |
|        |                               |                                  |   | nvironmental                        |                               |                                 |                 |                                       |                | ı L                          |   |   |               |
| Permit | Number                        | WE-4673                          |   | Permit Date <u>1</u>                | /22/16                        |                                 | -               |                                       |                |                              | APN/TR  | S/Other   |               |
|        |                               |                                  | Geol                                    | ogic Log                            |                               |                                 |                 |                                       |                |                              |   |   |               |
| Drilli | ng Method                     | n <b>⊙</b> Verti<br>Direct Rotar |   |                                     | ng Fluid Poly                 |                                 |                 |                                       |                |                              |   |   |               |
|        | th from S<br>et to            |                                  | De                                      | Descripti<br>scribe material, grain |                               |                                 |                 |                                       |                |                              |   |   |               |
| 0      | 10                            |                                  |   | and and gravel                      |                               |                                 |                 |                                       |                | Well                         | Location  |   |               |
| 10     | 12                            |                                  | et clayee t                             |                                     |                               |                                 | Addres          | s 10950                               | Bachelo        |                              |   |   | <u> </u>      |
| 12     | 18                            | В                                | rown silt                               |                                     |                               |                                 |                 | /itter Sprir                          |                |                              | Coun  | tv Lake   |               |
| 18     | 24                            | Fi                               | ractured br                             | own sandy rock                      |                               |                                 |                 | 39                                    |                |                              | N Longitud  | 27202   | 826 w         |
| 24     | 92                            | D                                | ark blue sa                             | ndy rock with fra                   | ctures at 84                  | ' to 86'                        | 11              | Deq.                                  | Min.           | Sec.                         |   | Deq. Min.   | 826 w<br>Sec. |
| 92     | 100                           | S                                | hale                                    |                                     |                               |                                 |                 |                                       |                |                              |   | Decimal Long                                      |               |
|        |                               |                                  |   |                                     |                               |                                 |                 | All and the second second             | 11000          | 000                          | 1000  | Parcel <u>15 0</u>                                |               |
|        |                               |                                  |   |                                     |                               |                                 | Townsh          | ip <u>16N</u>                         | Ranç           | ge <u>10W</u>                | oritemanii .  | Section 34  |               |
|        |                               |                                  |   |                                     |                               |                                 |                 |                                       | tion Sk        |                              |   | Activity  | y             |
|        |                               |                                  |   |                                     |                               |                                 | (Sketch         | must be draw                          | North          | after form is                |   | <ul><li>New Well</li><li>Modification/R</li></ul> | Popoir        |
|        |                               |                                  |   |                                     |                               |                                 |                 | erille.                               |                |                              |   | O Deepen  | rehaii        |
|        |                               |                                  |   |                                     |                               |                                 | i i             |                                       |                |                              | J   | O Other   |               |
|        |                               |                                  |   |                                     |                               |                                 | ]  +            |                                       | ren.<br>Tanisa | !]                           |   | Destroy  Describe procedures under *GEOLOGIC L    | and materials |
|        |                               |                                  |   |                                     |                               |                                 | 1               |                                       |                | 9                            | L   | TOTAL SCHOOL SE                                   | ESSENCE II    |
|        |                               |                                  |   |                                     |                               |                                 |                 | Orchard                               | A Part         | 7                            |   | Planned U   |               |
|        |                               |                                  |   |                                     | 44                            |                                 |                 |                                       | 2              | ( Q. )                       | '   | Water Supply                                      |               |
|        |                               |                                  |   |                                     |                               |                                 | l st            |                                       | 4              |                              | ışt   | ✓ Domestic ☐ Irrigation ☐                         |               |
|        |                               |                                  |   |                                     | -02                           |                                 | West            |                                       |                | Barn                         |   | O Cathodic Prote                                  |               |
|        |                               |                                  |   |                                     |                               |                                 |                 |                                       | W              | /ell x 170                   | 3 1020  | Dewatering  | ection        |
|        |                               |                                  |   |                                     | b 18.                         |                                 |                 |                                       |                | 192"                         |   | O Heat Exchang                                    | ie            |
|        |                               |                                  |   | 76°                                 | 4数                            |                                 | 11 +            | 100                                   | T- Bool        | h.lor                        |   | O Injection                                       | -             |
|        |                               |                                  |   |                                     | y 1965.                       |                                 |                 |                                       | Vall           | helor<br>ley Rd              |   | O Monitoring                                      |               |
|        |                               |                                  | 111111111111111111111111111111111111111 | 14914                               |                               |                                 |                 |                                       |                |                              |   | O Remediation                                     |               |
|        |                               |                                  | YII.                                    |                                     |                               |                                 | 100             |                                       | (2)            |                              |   | O Sparging  |               |
|        |                               |                                  |   |                                     | 19.05                         | - 1                             | 307             |                                       | South          |                              | 11 1  | O Test Well                                       | enors.        |
|        |                               |                                  |   |                                     | Philips .                     |                                 | Illustrate or o | lescribe distance<br>nd attach a map. | of well from a | roads, building              |   | O Vapor Extracti<br>O Other                       | on            |
|        |                               |                                  |   | **                                  |                               |                                 | Please be a     | ccurate and con                       | nplete.        | - William Zollenia William   |   |   |               |
|        |                               |                                  |   |                                     |                               | -                               |                 |                                       |                | of Com                       | pleted We   | ll .  |               |
|        |                               |                                  | A Property                              |                                     |                               | 4                               |                 | o first wate                          | r <u>18</u>    |                              |   | (Feet below surfa                                 | ace)          |
|        |                               | and a                            |   |                                     |                               |                                 | Depth to        | evel <u>5</u>                         |                | (Fee                         | t) Date M   | easured 02/18/2                                   | 2016          |
| Total  | Depth of I                    | Boring                           | 10                                      | 00                                  | Feet                          |                                 |                 | ed Yield *                            | 30             |                              | La L  | pe Air Lift                                       |               |
|        |                               |                                  | 700000                                  | 98                                  | No.                           |                                 |                 | ngth <u>2.0</u>                       |                |                              | A STATE OF THE PROPERTY OF THE STATE OF THE | rawdown <u>84</u>                                 | _(Feet)       |
| Total  | Depth of                      | Completed                        | well                                    | 90                                  | Feet                          |                                 | *May no         | ot be repres                          | sentative      | of a wel                     | l's long term   | yield.  |               |
|        |                               |                                  |   | Casings                             |                               |                                 |                 |                                       |                |                              | Annular   | Material  |               |
| S      | oth from<br>urface<br>to Feet | Borehole<br>Diameter<br>(Inches) |   | Material                            | Wall<br>Thickness<br>(Inches) | Outside<br>Diameter<br>(Inches) | Screen<br>Type  | Slot Size<br>if Any<br>(Inches)       | Su             | th from<br>Irface<br>to Feet | Fill  | Descr   | iption        |
| 0      | 20                            | 11                               | x item.                                 |                                     |                               |                                 |                 |                                       | 0              | 15                           | Bentonite   |   |               |
| 20     | 100                           | 8                                |   |                                     |                               |                                 |                 |                                       | 15             | 98                           | Filter Pack   | 3/8 Pea G   | ravel         |
| 0      | 18                            | -5121E                           | Blank                                   | PVC Sch. 40                         | SDR21                         | 5                               |                 |                                       |                |                              |   |   |               |
| 18     | 58                            |                                  | Screen                                  | PVC Sch. 40                         | SDR21                         | 5                               | Milled Slots    | 0.032                                 |                |                              |   |   |               |
| 58     | 78                            | 1                                | Blank                                   | PVC Sch. 40                         |                               | 5                               |                 |                                       |                |                              |   |   |               |
| 78     | 98                            | 100                              | Screen                                  | PVC Sch. 40                         | SDR21                         | 5                               | Milled Slots    | 0.032                                 | ll .           |                              |   |   |               |

| Attachments   | Certification Sta   | Certification Statement                         |  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|--|
| ☐ Geologic Log ☐ Well Construction Diagram          | I, the undersigned, certify that this report is complete and a Name Weeks Drilling & Pump Co. | accurate to the best of my knowledge and belief |  |  |  |  |  |  |
| ☐ Geophysical Log(s) ☐ Soil/Water Chemical Analyses | P.O. Box 176  Address  Sebastopo  |   |  |  |  |  |  |  |
| Other Attach additional information, if it exists.  | Signed C <sub>7</sub> 67 Licensed Water Well Contractor                                       | 3/11/16 177681 C-57 License Number              |  |  |  |  |  |  |

| ORIGIN<br>File with |  |  |               |          |                  |               | XXXII X                          |  | OF CALIF                |   |  | SE ONLY -                       | DO NOT FILL IN                                    |  |
|---------------------|--|--|---------------|----------|------------------|---------------|----------------------------------|--|-------------------------|---|--|---------------------------------|---|--|
| Page 1              | _of  | AUG 1                                    | 12            | 20       | 003              | }             | WELL                             | COMP Refer to Is                                 |                         | ON REPOR'   |  | TATE WELL N                     | O./STATION NO.                                    |  |
| · ·                 | Well No  |  |               | ,        | •                |               |                                  | -  |                         | · •   |  |                                 |   |  |
|                     | ork Began  | /  | 91            | 0        | 1                |               | , Ended 3/2                      | 21/02  | 19                      | 7713  | LATITUD  | E                               | LONGITUDE   |  |
| Local               | Permit Ag  | gency _                                  | L             | Ak       | Œ                | _             | 30                               |  | 4                       |   |  |                                 |   |  |
|                     | mit No   |  |               |          |                  |               | Permit                           | Date 3   | 18/03                   |   |  | . APN/TRS                       | OTHER   |  |
|                     |  | ./                                       | Gl            |          |                  |               | LOG —                            |  |                         | T   | * i.   |                                 |   |  |
| ORIENTA             | TION (∠)   | DRILLIN                                  | ERTIC         | _        | ٦.               |               |                                  | ANGLE  | _ (SPECIFY)             |   |  |                                 |   |  |
|                     | H FROM   | METHO                                    |               | <u>C</u> | A                |               |                                  | LUID   | <del>-</del>            | 4   |  |                                 |   |  |
|                     | RFACE<br>to Ft.  | ┧  | Des           | crib     | e n              |               | DESCRIPTION<br>erial, grain size | e, color, et                                     | c.                      |   |  |                                 |   |  |
| 0                   | 13   | 501                                      |               |          |                  |               |                                  |  | غانجينيا<br>بر          | Address 1090  | WELL LO  | CATION                          | U BU RD   |  |
| 3                   | 37   | 501                                      | F37           | ~ ,      | <b>0</b> ,4      | 20            | WN CLA                           | 7  | 7.45                    |   | ER SPRING  |                                 | 7/10  |  |
| 37                  | 60   | 11                                       |               |          |                  | 1             | //                               | +5m  | le .                    | County LAKE   |  |                                 |   |  |
| 1                   | 1 / 1  | IMI                                      |               |          |                  |               |                                  |  |                         | APN Book  | Page 046   | Parcel 09                       | r /   |  |
| 60                  | 65   | BL                                       |               |          |                  | HH.           | ALE .                            |  |                         | Township 197  | Range 10W  | Section                         | 3/34  |  |
| 65                  | - //   | 24                                       | 40            | ~        |                  |               |                                  |  |                         | Latitude DEG. MI  | NONTH  | Longitude.                      | DEG. MIN. SEC.                                    |  |
|                     | 1  | i  |               |          |                  | ₹             |                                  | <del>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</del> |                         | LOC.  | ATION SKETCH .                                       |                                 | ACTIVITY (\(\(\neq\))                             |  |
|                     | 1  |  |               | ď        |                  | 1             |                                  |  |                         |   | NORTH -  |                                 | NEW WELL  |  |
|                     | 1  |  | , process     | 4        | ξ <sup>3</sup> . |               |                                  |  |                         | ]   | \  | ,                               | MODIFICATION/REPAIR Deepen                        |  |
|                     | <u> </u>   |  |               | ·        | <u>, \</u>       | 1             |                                  |  |                         | ]   | & WELL   |                                 | Other (Specify)                                   |  |
| <u></u>             | +  | # 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | ng<br>Tipper  | Ė,       | }                |               |                                  |  |                         | 1   | \  |                                 | DESTROY (Describe                                 |  |
|                     | 1 1  | 1 2                                      | ٠٠. ا         | set "    |                  | e de<br>Note: |                                  |  |                         |   | λ  |                                 | Procedures and Materials<br>Under "GEOLOGIC LOG") |  |
|                     | T  |  | _             |          |                  |               |                                  |  |                         | <u> </u>  |  |                                 | PLANNED USES (∠)                                  |  |
|                     | <u> </u><br>   | I I                                      |               | -        |                  | -             | ·····                            |  | <del></del> -           | WITTER SPRE   | 5 / 🚡  |                                 | WATER SUPPLY Domestic Public                      |  |
|                     | 1  | ı  |               |          |                  |               |                                  | <del></del>                                      |                         | MEST AD   |  | 1                               | Irrigation Industrial                             |  |
|                     | ı  | I I                                      |               |          |                  |               |                                  |  |                         | 3   | BACHEL   | 5/Z 🖺                           | MONITORING TEST WELL                              |  |
|                     | 1  | 1  |               |          |                  |               |                                  |  |                         | ]   | VALLEY   | 1 KD                            | CATHODIC PROTECTION                               |  |
|                     | 1  | :<br>!                                   |               |          |                  |               |                                  |  |                         |   |  |                                 | HEAT EXCHANGE                                     |  |
|                     | i T  | i<br>T                                   |               |          |                  |               |                                  |  |                         |   |  |                                 | DIRECT PUSH                                       |  |
|                     | 1  | I<br>I                                   |               |          |                  |               |                                  |  |                         | _   | 3  |                                 | VAPOR EXTRACTION                                  |  |
|                     | <u> </u>   | 1  |               |          |                  |               |                                  |  |                         | . 34  | <b></b><br>south                                     |                                 | SPARGING  |  |
|                     | <u> </u>   | <u> </u>                                 |               |          |                  |               |                                  |  |                         | Illustrate or Describe D<br>Fences, Rivers, etc. and  | istance of Well from Roa<br>attach a map. Use additi | ds, Buildings,<br>onal vaner if | REMEDIATION OTHER (SPECIFY)                       |  |
|                     | I  | i<br>I                                   |               |          |                  |               |                                  |  | <del></del> -           | 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. |  |                                 |   |  |
|                     | I I  | 1  |               |          |                  |               |                                  |  |                         |   | LEVEL & YIELD  |                                 |   |  |
|                     | 1  |  |               |          |                  |               |                                  |  |                         |   | TER <b>37</b> (Ft.) BE                               |                                 |   |  |
|                     | i  | i<br>-                                   |               |          |                  |               |                                  |  |                         | DEPTH OF STATIC :   | <b>7</b> (Ft.) & DATE                                | MEASURED 5                      | 3/31/03   |  |
|                     | I  | 1  | -             | 7,       |                  |               |                                  | <del></del>                                      |                         | ESTIMATED YIELD * .   | <b>20</b> (GPM) &                                    | TEST TYPE                       | BAIL  |  |
| 1                   | EPTH OF  |  | -             |          |                  |               | eet)                             |  |                         |   | (Hrs.) TOTAL DRAW                                    |                                 | •<br>(Ft.)  |  |
| TOTAL D             | EPTH OF  | COMPLET                                  | ED            | WE.      | LL               |               | (Feet)                           |  |                         | * May not be represe  | ntative of a well's lon                              | g-term yield.                   |   |  |
| DE                  | PTH  | BORE-                                    |               |          |                  |               | C                                | ASING (S)  |                         |   | DEPTH  | ANN                             | ULAR MATERIAL                                     |  |
| FROM S              | SURFACE  | HOLE                                     |               | YPE      |                  |               |                                  | INTERNAL   | 04110                   |   | FROM SURFACE   |                                 | TYPE  |  |
| Ft. t               | o Ft.  | DIA.<br>(Inches)                         | BLANK         | SCREEN   | CTO              |               | MATERIAL /<br>GRADE              | INTERNAL<br>DIAMETER                             | GAUGE<br>OR WAL         | L IF ANY  | F  | CE- BEN-<br>MENT TONITE         | FILL FILTER PACK                                  |  |
| F1. (               |  | ,  | <u> </u>      | Sc       | 2                | =             |                                  | (inches)   | THICKNE                 | SS (Inches)   | Ft. to Ft.   | (소) (소)                         | (エ) (TYPE/SIZE)                                   |  |
| 7/                  | 30   | 12                                       | -             |          | _                |               | STEEL                            | 8  | • 188                   |   | 0 2/   | <u></u>                         | 7   |  |
| 30                  | 60   | 12                                       | -             | V        | $\dashv$         | -             |                                  | <b></b>  | <u> </u>                | 1/8×4 DBL   | 21 60  |                                 | r P. GRAVEL                                       |  |
|                     | 1<br>1   |  | ┼             | $\vdash$ | $\dashv$         |               |                                  |  |                         |   | 1  |                                 |   |  |
|                     | <del> </del><br>   |  | $\dagger$     | H        | $\dashv$         | ┪             |                                  | <u> </u>   | .,                      |   | ·····i   |                                 | 2 2003  |  |
|                     | l<br>I   |  |               | П        |                  |               |                                  |  |                         |   | 1  | 11G                             | 3 2000  |  |
|                     | ATTAC  | HMENTS                                   | (~            | ) -      |                  |               | 1 44                             | avaler   | الماء الماء الماء الماء |   | ION STATEMENT  | POO                             | naudadaa  |  |
| -                   | Geologic   | Log                                      |               |          |                  |               | I I, the unde                    | ersigned, ce                                     | ertify that the         | his report is complete  | and accurate to the                                  | best of my ki                   | nowledge and belief.                              |  |
| -                   | Well Construction Diagram NAME NAME OPERSON. FIRM. OR CORPORATION IT |  |               |          |                  |               |                                  |  | (TYPED OR PRINTED)      |   |  |                                 |   |  |
| -                   | Geophysical Log(s)   |  |               |          |                  |               |                                  |  | •                       | (IDDER L  | AKE C  | 1A 954A-                        |   |  |
| -                   |  | er Chemical                              | l Ana         | lyses    | S                |               | ADDRESS                          |  |                         | 1 LANG  | CITY   | <del></del>                     | STATE ZIP   |  |
| ATTACLL             | Other _  |  | Ob            | E 17     | Ev.              | 070           | —                                | $\langle \lambda_{2} \rangle$                    | 1/1/                    | wetton  |  | 15/03                           | 153912  |  |
| ATTACH A            | DDITIONAL  | INFORMATIO                               | υιν, <i>Γ</i> | r 11     | ∠XI.             | <i>υι</i> 5.  | WELL                             | DRILLED AUTHO                                    | MZED REPRES             | SENTATIVE   | DÁ   | E SIGNED                        | C-57 LICENSE NUMBER                               |  |

# AAA PUMP SERVICE 3005 KEELING AVE LAKEPORT,CA 95453

LIC# C44864

| <b>PUMP TEST</b> | REPORT |
|------------------|--------|
|------------------|--------|

9/22/2020

Micah Flause

10930 ,10950 Bachelor Valley Rd

Upperlake, CA 95485

# WELL DEPTH 70' STATIC DEPTH 11'8" CASING:steel

| WELL DIA 8"       | WELL           | SEAL: yes | TYPE: AG   |
|-------------------|----------------|-----------|------------|
|                   | GT A TILC      | CDM       | APPEARANCE |
| TIME              | STATIC         | GPM       |            |
| 8:00              | 11'8"          | 20        | dirty      |
| 8:05              | 12'4"          | 20        | .0-,       |
| 8:10              | 13'8"          | 10        | dirty      |
| 8:15              | 14'5"          | 10        |            |
| 8:20              | 16'            | 10        |            |
| 8:25              | 17'4"          | 10        |            |
| 8:30              | 18'            | 10        | dirty      |
| 8:40              | 19'4"          | 10        |            |
| 8:50              | 20'5"          | 10        |            |
| 9:00              | 21'5"          | 06        |            |
| 9:30              | 21'4"          | 06        |            |
| 10:00             | 20'9"          | 06        |            |
| 10:30             | 20'2"          | 06        |            |
| 11:00             | 19'            | 06        | clearing   |
| 11:30             | 18'9"          | 06        |            |
| 12:00             | 18'9"          | 06        |            |
|                   | 10 >           |           |            |
| Recovery<br>12:15 | 17'1"          |           |            |
|                   | 16'3"          |           |            |
| 12:30             | 10'5"<br>14'9" |           |            |
| 12:45             |                |           |            |
| 1:00              | 13'6"          |           |            |
| 1:15              | 12'9"          |           |            |
| 1:30              | 12'1"          |           |            |

EQUIPMENT: well has a ¾ hp pump with a pump tech pump protector LOCATION: well number 1 next to Koker property

# AAA PUMP SERVICE 3005 KEELING AVE LAKEPORT,CA 95453

**PUMP TEST REPORT** 

9/24/2020

Micah Flause 10930,10950 Bachelor Valley Rd Upperlake,CA 95485

# WELL DEPTH 50\*' STATIC DEPTH 22'8" CASING:steel

| WELL DIA 6" | WEL    | L SEAL : yes | domestic   |  |  |
|-------------|--------|--------------|------------|--|--|
| TIME        | STATIC | GPM          | APPEARANCE |  |  |
| 9:00        | 22'8"  | 22           | clear      |  |  |
| 9:05        | 22'10" | 22           | Cicui      |  |  |
| 9:10        | 22'11" | 22           |            |  |  |
| 9:15        | 22'11" | 22           |            |  |  |
| 9:20        | 22'11" | 22           |            |  |  |
| 9:25        | 22'11" | 22           |            |  |  |
| 9:30        | 22'11" | 22           |            |  |  |
| 9:40        | 22'11" | 22           |            |  |  |
| 9:50        | 22'11" | 22           |            |  |  |
| 10:00       | 22'11" | 22           | clear      |  |  |
| 10:30       | 22'11" | 22           | o i o i i  |  |  |
| 11:00       | 22'11" | 22           |            |  |  |
| 11:30       | 22'11" | 22           |            |  |  |
| 12:00       | 22'11" | 22           |            |  |  |
| 12;30       | 22'11" | 22           |            |  |  |
| 1:00        | 2211"  | 22           |            |  |  |

NOTES:well has a 1/2 hp pump, Recovery 1:15 22'8"

<sup>\*</sup>could not probe depth of well, probably blocked by a torque arrester

### State of California

# Well Completion Report Form DWR 188 Submitted 1/25/2021

|                                       |                        |            | WCR                     | 2021-0               | 000926  |                                      |   |             |  |     |
|---------------------------------------|------------------------|------------|-------------------------|----------------------|---|--------------------------------------|---|-------------|--|-----|
| Owner's Well Numb                     | er 4-8"                |            | Date Work               | ( Began              | 01/21/2021  |                                      | Date Work Ended   | 01/25/2     | 2021                                       |     |
| Local Permit Agence                   | y Lake County Heal     | th Service | ces Department - Enviro | nmenta               | Health Division                                     |                                      |   |             | MATERIAL STATES                            |     |
| Secondary Permit A                    | gency                  |            | Permit                  | Numbe                | r WE-5540AG   |                                      | Permit Date   | 01/05/2     | 2021                                       |     |
| Well Owner                            | must remain co         | nfider     | ntial pursuant to       | Wate                 | er Code 1375  | 52)                                  | Planned Use   | e and A     | ctivity                                    |     |
| Name Morongo                          | Equity Partners Morong | o Equity   | Partners                | An identification in | And the Arter of Source of the                      |                                      | Activity New Well   |             |  |     |
| Mailing Address                       | 730 Arcady Rd.         |            |                         | 1000                 |   | $-\ $                                | 100000000000000000000000000000000000000   | Supply Irri | gation -                                   |     |
| City Santa Barba                      | ra                     |            | State                   | Ca                   | Zip 93108   |                                      |   |             |  | _   |
| A 6 19 2                              |                        |            | Wel                     | II Loc               | ation   |                                      |   |             |  |     |
| Address 10960                         | Bachelor Valley RD     |            |                         |                      |   | APN                                  | 002-046-09  |             | AND S. |     |
| City Upper Lake                       | 95485 County           | / Lake     | <del></del>             | Town                 | ownship 16 N  |                                      |   |             |  |     |
| Latitude 39                           | 11 35.7136             | - N        | Longitude -122          | 57                   | 53.4924 W   | Rang                                 |   |             |  |     |
| Deg.                                  | Min. Sec.              |            | Deg.                    | Min.                 | Sec.  | Secti                                |   |             |  |     |
| Dec. Lat. 39.193                      | 2538                   |            | Dec. Long122.964        | 859                  |   |                                      | eline Meridian Mount D  | ablo        |  |     |
| Vertical Datum                        |                        | ———        | orizontal Datum WGS     | 84                   | erineri ingentiri Konsoffisi yana mga bili samani d | <ul> <li>(2753/075/26/06)</li> </ul> | ation Accuracy  |             |  |     |
| Location Accuracy                     |                        |            | Determination Method    |                      |   | portog                               | ation Determination Metho   | od          |  | _   |
|                                       | Borehole Info          | ormat      | ion                     |                      | Water   | Leve                                 | el and Yield of Co  | mpleter     | d Well                                     |     |
| Orientation Verti                     | ral                    |            | Specify                 |                      | Depth to first wa                                   |                                      |   | below surf  |  |     |
|                                       | Cable Tool             | Drilling ! |                         |                      | Depth to Static                                     | -                                    | TO SECURE THE PROPERTY OF THE |             |  |     |
| Drilling Metriod -                    | Dable 1001             | Drilling   | Tidid Notice            |                      | Water Level   |                                      | 14 (Feet) Date M  | easured     | 01/25/202                                  | 11  |
| Total Depth of Bori                   | ng 71                  |            | Feet                    |                      | Estimated Yield*                                    | *                                    | 12 (GPM) Test Ty  | pe          | Pump                                       |     |
| Total Depth of Con                    |                        | *****      | Feet                    |                      | Test Length _                                       | Special State                        |   | rawdown     | 15 (fee                                    | ∍t) |
| Total Dopardi Gon                     | - Ti                   |            |                         |                      | *May not be rep                                     | resenta                              | ative of a well's long term   | rield.      |  |     |
|                                       |                        |            | Geolo                   | gic L                | og - Lite   |                                      |   |             |  |     |
| Depth from<br>Surface<br>Feet to Feet | Material Ty            | ре         | Material Col            | or                   | Material Tex  | xture                                | Material  | Descripti   | on   |     |
| 0 3                                   | Soil or Orga           | nic        |                         |                      |   |                                      | Soil  |             |  |     |

3

36

45

50

53

61

36

45

50

53

61

71

Clay

Shale

Shale

Shale

Shale

Shale

Brown Clay and Imbedded Gravel

Brown Fractured Shale and Clay

Blue-Brown Shaley Clay

**Brown Shale** 

Muddy Blue Shale

Muddy Black Shale

| Casings     |    |                      |             |                     |                       |                               |                                 |                 |                                 |             |  |
|-------------|----|----------------------|-------------|---------------------|-----------------------|-------------------------------|---------------------------------|-----------------|---------------------------------|-------------|--|
| Casing<br># |    | m Surface<br>to Feet | Casing Type | Material            | Casings Specificatons | Wall<br>Thickness<br>(inches) | Outside<br>Diameter<br>(inches) | Screen<br>Type  | Slot Size<br>if any<br>(inches) | Description |  |
| 1           | 0  | 30                   | Blank       | Low Carbon<br>Steel | Grade: ASTM A53       | 0.188                         | 8.625                           |                 |                                 |             |  |
| 1           | 30 | 71                   | Screen      | Low Carbon<br>Steel | Grade: ASTM A53       | 0.188                         | 8.625                           | Milled<br>Slots | 0.125                           | <u> </u>    |  |

|     |                        |             | Annular M         | aterial          |             |
|-----|------------------------|-------------|-------------------|------------------|-------------|
| Sur | from<br>face<br>o Feet | Fill        | Fill Type Details | Filter Pack Size | Description |
| 0   | 1                      | Cement      | 10.3 Sack Mix     |                  |             |
| 1   | 22                     | Bentonite   | Other Bentonite   |                  |             |
| 22  | 71                     | Filter Pack | Other Gravel Pack | Pea Gravel       | **          |

### Other Observations:

|     | Depth from Surface Borehole Diameter (inches) |                          |    |  |  |  |  |  |  |  |  |
|-----|---|--------------------------|----|--|--|--|--|--|--|--|--|
| Sur |   | Borehole Diameter (inche | s) |  |  |  |  |  |  |  |  |
| 0   | 71  | 13                       |    |  |  |  |  |  |  |  |  |

|              | Certification                                       | Statement                 |               |            |  |  |  |  |
|--------------|---|---------------------------|---------------|------------|--|--|--|--|
| I, the under | rsigned, certify that this report is complete and a | accurate to the best of m | y knowledge a | and belief |  |  |  |  |
| Name         |   |                           |               |            |  |  |  |  |
|              | Person, Firm or Corporation                         |                           |               |            |  |  |  |  |
|              | 1466 B PITNEY LANE                                  | UPPER LAKE                | CA            | 95485      |  |  |  |  |
|              | Address   | City                      | State         | Zip        |  |  |  |  |
| Signed       | electronic signature received                       | 01/25/2021                | 52            | 22306      |  |  |  |  |
|              | C-57 Licensed Water Well Contractor                 | Date Signed               | C-57 Lice     | ense Numbe |  |  |  |  |

|             |                   |          | DWR U | se Onl  | y     |        |           |       |
|-------------|-------------------|----------|-------|---------|-------|--------|-----------|-------|
| CSG#        | State Well Number |          | r     | Site Co | de    | Loca   | al Well N | umber |
|             |                   |          | N     |         |       |        | T         | w     |
| Lat<br>FRS: | itude De          | g/Min/Se | ec    | Lo      | ngitu | de Deg | /Min/Se   | ec    |
| APN:        |                   |          |       |         |       |        |           |       |

### State of California

Well Completion Report Form DWR 188 Submitted 12/8/2020 WCR2020-016941

| Owner's Well Num      | ber (2-8")                          | Date Work Began  | 12/03/2020                               | Posts Maria Fordada a compressor   |
|-----------------------|-------------------------------------|--|--|--|
| Local Permit Agen     |                                     |  |  | Date Work Ended 12/08/2020   |
| Secondary Permit      |                                     | ·  |  |  |
| Coolings & Marine     | ngercy                              | Permit Number  | WE5504AG                                 | Permit Date 11/23/2020   |
| Well Owner            | (must remain confidential pu        | rsuant to Water  | Code 13752)                              | Planned Use and Activity   |
|                       | GO EQUITY PARTNERS,                 |  |  | Activity New Well  |
| Mailing Address       | 730 Arcady Rd                       |  |  |  |
|                       |                                     | Name of the second control of the second control of the second of the se |  | Planned Use Water Supply Irrigation -<br>Agriculture   |
| City Santa Barb       | ara                                 | State Ca   | Zip 93108                                |  |
| 100                   | 60 Bachelor Willow Rol              | Well Loca  | ition                                    |  |
|                       | ) Bachelor Valley RD                |  | AF                                       | °N 002-046-09  |
| City Upper La         |                                     | County Lake  | To                                       | wnship 16 N  |
| Latitude 39           | 11 37.9644 N Longitude              |  | 57.3076 W Ra                             | inge 10 W  |
| Deg.                  | Min. Sec.                           | Deg. Min.  |  | ction 34   |
| Dec. Lat. 39.19       |                                     | •  | Ba                                       | seline Meridian Mount Diablo   |
| Vertical Datum        | Horizontal Da                       |  |  | ound Surface Elevation   |
| Location Accurac      |                                     |  |  | evation Accuracy<br>evation Determination Method   |
|                       |                                     | auori wieurou  |  | Wallott Octomated of Mounds  |
|                       | Borehole Information                |  | Water Lev                                | vel and Yield of Completed Well  |
| Orientation Ver       | tical Sp                            | ecify  | Depth to first water                     | (Feet below surface)   |
| Drilling Method       | Cable Tool Drilling Fluid Non       | ю Т  | Depth to Static                          | verenal de la companya del la companya de la compan |
|                       |                                     |  | Water Level                              | 11 (Feet) Date Measured 12/07/2020   |
| Total Depth of Bo     | ing 71 Fee                          | at II  | Estimated Yield*                         | 14 (GPM) Test Type Pump  |
| Total Depth of Co     | mpleted Well 71 Fee                 |  | Test Length                              | 6 (Hours) Total Drawdown 20 (feet)  Italive of a well's long term yield.   |
|                       |                                     |  | may not be represen                      | native of a weats long term yield.   |
| -                     |                                     | Geologic Log -   | Free Form                                |  |
| Depth from<br>Surface |                                     |  | ******                                   |  |
| Feet to Feet          | Tendediction                        |  | Description                              |  |
| 0 31                  | Soft Brown Clay                     |  | A 19 (19 (19 (19 (19 (19 (19 (19 (19 (19 |  |
| 31 60                 | Soft Brown Clay and Imbedded Gravel |  |  |  |
| 60 71                 | Blue-Black Shale                    |  |  |  |

|                                       |                            |                      |   |                                 | C               | asing                | js   |   |                          |  |  |   |
|---------------------------------------|----------------------------|----------------------|---|---------------------------------|-----------------|----------------------|--|---|--------------------------|--|--|---|
| esing<br>#                            |                            | m Surface<br>to Feet | Casing T                                | pe Material                     | Casings Specifi | ficatons             | Wall<br>Thickness<br>(inches)  | Outside<br>Diameter<br>(inches)   | Screen<br>Type           | Slot Size<br>If any<br>(inches)  | Desc   | ription   |
| · · · · · · · · · · · · · · · · · · · | 0                          | 31                   | Blank                                   | Low Carbon<br>Steel             | Grade: ASTM     | I A53                | 0.188  | 8.625   |                          |  |  | ***************************************   |
|                                       | 31                         | 71                   | Screen                                  | Low Carbon<br>Steel             | Grade: ASTM     | 1 A53                | 0.188  | 8.625   | Milled<br>Slots          | 0.8  | Double   |   |
| 1911                                  |                            |                      |   |                                 | Annul           | lar Ma               | aterial  | *****   |                          |  |  |   |
| Śur                                   | from<br>face<br>to Feet    | Fill                 |   | Fill '                          | Type Details    | Antibility which was |  | Filter Pack   | Size                     |  | Description  | 1   |
| 0                                     | 21                         | Ceme                 | nt 10.                                  | 3 Sack Mix                      |                 |                      |  |   |                          |  | **************************************   | Maria di Sala d |
| 21                                    | 71                         | Filter P             | ack Ott                                 | er Gravel Pack                  |                 | 1                    | Pea  | 3   |                          | Participation of the second of | terita de la constitución de la co |   |
| Other                                 | Observ                     |                      | e Spec                                  | fications                       |                 |                      |  |   |                          | tatemer  |  |   |
| Depti<br>Su                           |                            |                      | *************************************** | ifications<br>Diameter (inches) | i, the          | me                   |  | is report is comp   | lete and accu            |  | of my knowledge a  | and belief  |
| Depti<br>Su                           | h from                     |                      | *************************************** |                                 |                 | me<br>T              | Person, Firm   | is report is сотпр<br>HU<br>or Corporati  | lets and accu<br>TTON WE | rate to the best   | af my knowledge a<br>NG  | and belief  |
| Dept<br>Su<br>Feet                    | h from<br>rface<br>to Feet | 3oreho               | *************************************** |                                 |                 | me<br>T              | Person, Firm   | is report is comp<br>HU<br>or Corporati<br>LANE                                 | lets and accu<br>TTON WE | rate to the best<br>ELL DRILLIN<br>PPER LAKI   | ad my knowledge a<br>NG<br>E CA  | 95485   |
| Dept<br>Su<br>Feet                    | h from<br>rface<br>to Feet | 3oreho               | *************************************** |                                 | Nan             | ime<br>14<br>gned (  | Person, Firm   | is report is comp<br>HU<br>or Corporati<br>' LANE<br>gnature rec                | TTON WE                  | rate to the best   | e of my knowledge a NG  E CA  State  |   |
| Dept<br>Su<br>Feet                    | h from<br>rface<br>to Feet | 3oreho               | *************************************** |                                 | Nan             | ime<br>14<br>gned (  | Person, Firm<br>466 9 PITNEY<br>Address<br>electronic sig                  | is report is comp<br>HU<br>or Corporati<br>LANE<br>gnature rec<br>Water Well Co | TTON WE                  | PPER LAKI City 12/08/20 Date Sign  | e of my knowledge a NG  E CA  State  | 95485<br>Zip<br>22306   |
| Dept<br>Su<br>Feet                    | h from<br>rface<br>to Feet | 3oreho               | *************************************** |                                 | Sign            | ime<br>14<br>gned (  | Person, Firm<br>466 9 PITNEY<br>Address<br>electronic sig                  | is report is comp  HU or Corporati  LANE  Gnature rec Water Well Co             | TTON WE on U             | PPER LAKI City 12/08/20 Date Sign  | E CA State  20 52 ed C-57 Lice   | 95485<br>Zip<br>22306   |
| Dept<br>Su<br>Feet                    | h from<br>rface<br>to Feet | 3oreho               | *************************************** |                                 | Sign            | 14                   | Person, Firm<br>466 9 PITNEY<br>Address<br>electronic sig<br>C-57 Licensed | is report is comp HU or Corporati ' LANE gnature rec Water Well Co              | TTON WE on U             | PPER LAKI City 12/08/20 Date Sign  | E CA State  20 52 ed C-57 Lice   | 95485<br>Zip<br>22306<br>ense Number  |
| Depti<br>Su<br>Feet                   | h from<br>rface<br>to Feet | 3oreho               | *************************************** |                                 | Sign            | 14 gned _            | Person, Firm<br>466 9 PITNEY<br>Address<br>electronic sig<br>C-57 Licensed | HU or Corporati ' LANE gnature rec Water Well Co                                | reived ontractor         | PPER LAKI City 12/08/20 Date Sign Only te Code   | E CA State  20 52 ed C-57 Lice   | 95485<br>Zip<br>22306<br>ense Numbe   |

APN:

### State of California

# Well Completion Report Form DWR 188 Submitted 12/19/2020

# WCR2020-017371

| Owner's Well                        | l Numbe  | er 3-8"                               |   |   |                | Date Work     | : Began | 12/10/2020                    |       |               | Date Wo             | ork Ended              | 12/18/                     | 2020                                    |  |
|-------------------------------------|----------|---------------------------------------|---|---|----------------|---------------|---------|-------------------------------|-------|---------------|---------------------|------------------------|----------------------------|---|--|
| Local Permit                        | Agency   | Lake (                                | County Health                           | h Servic                                | es Departme    | ent - Enviror | nmenta  | I Health Division             |       |               |                     |                        |                            |   |  |
| Secondary P                         | ermit A  | gency                                 |   |   |                | Permit I      | Numbe   | r WE-5523 AG                  |       |               | P                   | ermit Date             | 12/10/2                    | 2020                                    |  |
| Well Ow                             | ner (    | must re                               | main cor                                | nfider                                  | ntial purs     | uant to       | Wate    | er Code 1375                  | 2)    |               | Planr               | ed Use                 | and A                      | ctivit                                  | v  |
| Name MC                             | DRONG    | O EQUITY                              | PARTNERS                                | ;,                                      |                |               |         |                               |       | Activit       | Section 2015        | v Well                 | ing digital and a section. | 100000000000000000000000000000000000000 |  |
| Mailing Addr                        | ress     | 730 Arcad                             | ly Rd                                   | *************************************** |                |               |         |                               |       |               | ·                   |                        |                            |   |  |
|                                     | •        |                                       |   |   | <u> </u>       |               |         |                               |       | Plann         | ed Use              | Water Su<br>Agricultur |                            | gation -                                |  |
| City Santa                          | Barbar   | a                                     |   |   |                | State         | Ca      | Zip 93108                     |       |               |                     |                        |                            |   |  |
|                                     |          | 100                                   |   |   |                | Wel           | l Loc   | ation                         |       |               |                     |                        |                            |   |  |
| Address                             | 10960 E  | Bachelor V                            | alley RD                                |   |                |               |         |                               | API   | V 00          | 02-046-09           | )                      |                            | 1501613 4443                            |  |
| City Witte                          | er Sprin | gs                                    |   | Zip                                     | 95493          | County        | Lake    | ·                             | Tov   | nship/        | 16 N                |                        |                            |   |  |
| Latitude                            | 39       | 11                                    | 40.3044                                 | <br>N                                   | Longitude      | -122          | 57      | 58.0834 W                     | Rar   | ige _1        | 10 W                |                        |                            | *************************************** |  |
|                                     | Deg.     | Min.                                  | Sec.                                    |   | •              | Deg.          | Min.    | Sec.                          | Sec   |               | 34                  |                        |                            |   |  |
| Dec. Lat. 3                         | •        | 29                                    |   |   | Dec. Long.     | J             |         | 200.                          |       | eline M       |                     | Mount Diat             | olo                        |   |  |
| Vertical Datu                       | ım       | · · · · · · · · · · · · · · · · · · · | *************************************** | Hc                                      | rizontal Datu  |               |         |                               |       |               | face Elev           | ation                  |                            |   | ······   |
| Location Acc                        |          |                                       |   |   | Determinati    |               | JT      |                               |       |               | ccuracy<br>etermina | tion Method            |                            |   |  |
|                                     |          |                                       |   |   | , Determinati  |               |         |                               |       |               | Cicinna             |                        |                            |   |  |
|                                     |          | Bore                                  | hole Info                               | rmati                                   | on             |               |         | Water                         | Lev   | el and        | d Yield             | of Com                 | pleted                     | i Wei                                   | Ī  |
| Orientation                         | Vertic   | al                                    |   |   | Spec           | eify          |         | Depth to first wat            | er    |               |                     | (Feet be               | low surf                   | ace)                                    |  |
| Drilling Meth                       | od C     | able Tool                             | ſ                                       | Orilling F                              | <br>Fluid None |               | —       | Depth to Static               |       |               |                     |                        |                            |   |  |
|                                     |          |                                       |   |   |                |               |         | Water Level                   |       | 15            | • ` ′               | Date Mea               | sured                      | 12/18                                   | 3/2020   |
| Total Depth                         | of Borin | g 74                                  |   |   | Feet           |               |         | Estimated Yield*              |       | 7             |                     | Test Type              |                            | Pum                                     |  |
| Total Depth                         | of Com   | oleted Well                           | 74                                      | <del></del>                             | Feet           |               |         | Test Length  *May not be repr | esent | 6<br>ative of | . ' '               |                        |                            | 23                                      | (feet)<br>-                                      |
|                                     |          |                                       |   |   |                |               | L       |                               |       | 758 HAVE 7    |                     | ong tom: yie           |                            |   | 322 322 323                                      |
|                                     |          |                                       |   |   | Gi             | eologic       | Log -   | Free Form                     |       |               |                     |                        |                            |   |  |
| Depth from<br>Surface<br>Feet to Fe | •        |                                       |   |   |                |               |         | Description                   |       |               |                     |                        |                            |   |  |
| 0                                   | 21       | Brown Cla                             | y                                       |   |                |               |         |                               |       |               |                     | ~~~                    |                            |   | <u></u>  |
| 21                                  | 36       | Soft Brown                            | ı Clay                                  |   |                |               |         |                               |       |               |                     |                        |                            |   | <del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del> |
| 36                                  | 39       | Sticky Brox                           | un Clay and                             | Imhedd                                  | ed Gravel      |               |         |                               |       | ·             |                     |                        |                            |   |  |

39

63

74

Blue-Black Shale

Olive Color Soft Sticky Clay and Imbedded Gravel

|             | Casings |                      |             |                     |                       |                               |                                 |                 |                                 |                     |
|-------------|---------|----------------------|-------------|---------------------|-----------------------|-------------------------------|---------------------------------|-----------------|---------------------------------|---------------------|
| Casing<br># |         | m Surface<br>to Feet | Casing Type | Material            | Casings Specificatons | Wall<br>Thickness<br>(inches) | Outside<br>Diameter<br>(inches) | Screen<br>Type  | Slot Size<br>if any<br>(inches) | Description         |
| 1           | 0       | 36                   | Blank       | Low Carbon<br>Steel | Grade: ASTM A53       | 0.188                         | 8.625                           |                 |                                 |                     |
| 1           | 36      | 74                   | Screen      | Low Carbon<br>Steel | Grade: ASTM A53       | 0.188                         | 8.625                           | Milled<br>Slots | 0.125                           | 1/8 x 3 Double Perf |

| Annular Material |                        |             |                   |                  |                                       |  |  |  |  |
|------------------|------------------------|-------------|-------------------|------------------|---------------------------------------|--|--|--|--|
| Sur              | from<br>face<br>o Feet | Fill        | Fill Type Details | Filter Pack Size | Description                           |  |  |  |  |
| 0                | 21                     | Cement      | 10.3 Sack Mix     |                  | , , , , , , , , , , , , , , , , , , , |  |  |  |  |
| 21               | 74                     | Filter Pack | Other Gravel Pack | Pea              | Pea Gravel                            |  |  |  |  |

### Other Observations:

|   | Borehole Specifications               |    |                            |  |  |  |  |  |  |
|---|---------------------------------------|----|----------------------------|--|--|--|--|--|--|
|   | Depth from<br>Surface<br>Feet to Feet |    | Borehole Diameter (inches) |  |  |  |  |  |  |
| Γ | 0                                     | 74 | 13                         |  |  |  |  |  |  |

| Certification Statement  |   |                           |       |                      |  |  |  |  |  |
|--|---|---------------------------|-------|----------------------|--|--|--|--|--|
| I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief |   |                           |       |                      |  |  |  |  |  |
| Name   | Name HUTTON WELL DRILLING   |                           |       |                      |  |  |  |  |  |
|  | Person, Firm or Corporation                                       |                           |       |                      |  |  |  |  |  |
|  | 1466 B PITNEY LANE  | UPPER LAKE                | CA    | 95485                |  |  |  |  |  |
|  | Address   | City                      | State | Zip                  |  |  |  |  |  |
| Signed   | electronic signature received C-57 Licensed Water Well Contractor | 12/19/2020<br>Date Signed |       | 22306<br>ense Number |  |  |  |  |  |

|      |                         | D         | WR U | se On     | y      |         |                   |    |  |
|------|-------------------------|-----------|------|-----------|--------|---------|-------------------|----|--|
| CSG# | CSG # State Well Number |           |      | Site Code |        |         | Local Well Number |    |  |
|      |                         |           | N    |           |        |         |                   | w  |  |
| Lat  | itude De                | g/Min/Sed | •    | Lo        | ongitu | ide Deç | g/Min/S           | ec |  |
| TRS: |                         |           |      |           |        |         |                   |    |  |
| APN: |                         |           |      |           |        |         |                   |    |  |
|      |                         |           |      |           |        |         |                   |    |  |

Event Horizon Technologies inc. 340 S. Lemon Ave #6420N Walnut, CA 91789

Well Location: 10960 Bachelor Valley Rd, Upper Lake

Scope of work:

12/08/2020 7:00 am began extended pump test on Well # 1 - 8". Pump rate was 15 GPM uninterrupted thru 1:30 pm 12/10/2020.

Following are water levels on Well # 1 - 8", Well #2 - 8" and neighbors concrete cased well to the west. All measurements are from TOC (top of casing)

### 12/08/2020

| Time       | Well # 1 – 8" | Well # 2 – 8" | Neighbors Well |
|------------|---------------|---------------|----------------|
| 7:00 am    | 11.25'        | 14.50'        | 9'             |
| 9:45       | 21.50'        | 14.50'        | u              |
| 10:45      | u             | u             | not measured   |
| 1:05 pm    | u             | 14'           | not measured   |
| 3:30       | 21.75'        | 15'           | 9'             |
| 12/09/2020 |               |               |                |
| 9:00 am    | 21.50'        | 15'           | 9'             |
| 3:45       | 21.75'        | 15'           | 9'             |
| 12/10/2020 |               | no.           |                |
| 8:00 am    | 21.75'        | 15.25'        | 9'             |
| 10:25      | u             | и             | ш              |
| 1:15 pm    | и             | и             | и              |
| 1:30       | End Test      |               |                |

Event Horizon Technologies inc. 340 S. Lemon Ave #6420N Walnut, CA 91789

Well Location: 10960 Bachelor Valley Rd, Upper Lake

Scope of work:

Test Pump Report Well # 3 – 8"

| 12/16/2020               |            |           |
|--------------------------|------------|-----------|
| Static 16.5'             |            |           |
| Time<br>10:05 am         | TOC<br>41' | GPM<br>11 |
| 10:15                    | 41'        | 11        |
| 10:20                    | 42'        | 11        |
| 10:30                    | 42'        | 10        |
| 10:45                    | 42'        | 10        |
| 11:00                    | 43'        | 10        |
| 11:10                    | 42.5'      | 8         |
| 11:25                    | 42'        | 8         |
| 11:35                    | 42'        | 8         |
| 12:40<br><b>12/17/20</b> | 42.5'      | 8         |
| 8:30 am                  | 16.5       | 8.3       |
| 8:41                     | 24         | 8.3       |
| 11:23                    | 39.5       | 8         |
| 11:41                    | 39.5       | 8         |

| 1:12 pm | 39.5 | 8 |
|---------|------|---|
| 1:25    | 39   | 6 |
| 2:11    | 36   | 6 |

Event Horizon Technologies inc. 340 S. Lemon Ave #6420N Walnut, CA 91789

Well Location: 10960 Bachelor Valley Rd, Upper Lake

Scope of work:

Test Pump Report

| vveii # 2 – 8" |  |
|----------------|--|
|                |  |
| 12/07/2020     |  |

| Static 11' |       |     |
|------------|-------|-----|
| Time       | TOC   | GPM |
| 7:14 am    | start |     |
| 7:25       | 28'   | 16  |
| 7:35       | 31'   | 16  |
| 7:58       | 31.5′ | 16  |
| 8:07       | 31.5′ | 14  |
| 8:50       | 32    | 14  |
| 9:05       | 32.5  | 14  |
| 9:11       | 33    | 14  |
| 9:15       | 32.5  | 12  |
| 9:36       | 32.5  | 12  |
| 9:41       | 32.5  | 12  |
| 10:00      | 32.5  | 12  |
| 10:03      | 32.5  | 13  |
| 10:15      | 31.5  | 13  |
| 10:36      | 31    | 12  |

| 12:04   | 31   | 12 |
|---------|------|----|
| 12:15   | 30.5 | 12 |
| 12:22   | 30   | 12 |
| 12:25   | 30   | 14 |
| 12:38   | 31   | 14 |
| 1:30 pm | 30   | 13 |
| 3:33    | 29   | 13 |

# 2019 WATER USE REPORT MORGAN VALLEY VENTURES MAJOR USE PERMIT UP 18-22 22800 MORGAN VALLEY ROAD, LOWER LAKE, CA 95457 LAKE COUTNY APNS 012-069-59 & 60

| Week          | Water Usage<br>(Gallons) |
|---------------|--------------------------|
| 4/1 - 4/7     | 0                        |
| 4/8 - 4/14    | 1000                     |
| 4/15 - 4/21   | 1000                     |
| 4/22 - 4/28   | 5000                     |
| 4/29 - 5/5    | 5000                     |
| 5/6 - 5/12    | 10000                    |
| 5/13 - 5/19   | 10000                    |
| 5/20 - 5/26   | 15000                    |
| 5/27 - 6/2    | 20000                    |
| 6/3 - 6/9     | 25000                    |
| 6/10 - 6/16   | 30000                    |
| 6/17 - 6/23   | 35000                    |
| 6/24 - 6/30   | 40000                    |
| 7/1 - 7/7     | 55000                    |
| 7/8 - 7/14    | 20000                    |
| 7/15 - 7/21   | 20000                    |
| 7/22 - 7/28   | 25000                    |
| 7/29 - 8/4    | 35000                    |
| 8/5 - 8/11    | 45000                    |
| 8/12 - 8/18   | 45000                    |
| 8/19 - 8/25   | 50000                    |
| 8/26 - 9/1    | 50000                    |
| 9/2 - 9/8     | 50000                    |
| 9/9 - 9/15    | 50000                    |
| 9/16 - 9/22   | 50000                    |
| 9/23 - 9/29   | 45000                    |
| 9/30 - 10/6   | 45000                    |
| 10/7 - 10/13  | 30000                    |
| 10/14 - 10/20 | 30000                    |
| 10/21 - 10/27 | 15000                    |
| 10/28 - 11/3  | 15000                    |
| 11/4 - 11/10  | 5000                     |
| 11/11 - 11/17 | 2000                     |
| 11/18 - 11/24 | 1000                     |