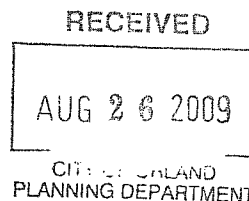


MALCOLM PIRNIE
PROJECT INFORMATION
(August 26, 2009)

01915

Malcolm Pirnie Project Information FACT SHEET

0209



Aquifer Testing – August/September 2009 Orland, California

Malcolm Pirnie, Inc., a more than 100-year-old environmental engineering firm specializing in water engineering with six offices in California, is directing an aquifer test as part of a feasibility study to both evaluate the long-term sustainability and assess impacts of a proposed new commercial water supply well in Orland, California.

The work is being conducted for the Crystal Geyser Water Company who, if the results from these tests validate the long-term protection and sustainability of this water resource, proposes to construct a low-volume sparkling mineral water bottling plant and warehouse operation. The proposed site is on a parcel of land located at the corner of County Roads 200 and N in Orland.

TEST OVERVIEW:

Malcolm Pirnie will conduct the Orland California aquifer test in three phases over an approximately four week period:

- (1) **Background:** Water levels in 14 wells will be monitored prior to pumping water from the test well. The purpose of this phase is to document the changes in water levels in these wells prior to pumping water from the test well.
- (2) **Pumping:** Water levels will be automatically monitored in the same 14 wells to document changes (drawdown) while the test well is pumped.
- (3) **Recovery:** Water levels will be automatically monitored in the same 14 wells to document changes (recovery) after pumping has stopped in the test well.

Water levels in the 14 wells are measured and recorded using programmable pressure transducers. Pressure transducers are typically used for aquifer tests because they can be installed in wells and left for the duration of the test, programmed to measure and record water levels, and eliminate human error when taking manual measurements. The electronic storage of the data facilitates data reporting and interpretation. The pressure transducers are programmed to measure water levels every minute.

The test well will be pumped at a constant rate of 400 gallons per minute (gpm) for the duration of the test. The length of pumping is planned for five to seven days. The actual length of the testing, although not less than five days, will be determined based on the drawdown data from the test well. Please note: the pumping rate of 400 gpm is four times higher than the average rate the well would be pumped if the project is approved.

The water will be provided to the Orland Unit Water Users Association. At its request we will discharge the water in "37 ditch" located immediately north of the site. (Note: Orland Unit Water Users Association has indicated that this water will be used for pasture irrigation.)

WATER LEVEL MONITORING

The 14 wells in the monitoring program consist of three wells onsite and 11 private wells located close to the site. The three onsite wells include the test well and two monitoring wells screened in the production zone (one located about 100 feet from the test well and the other about 1,000 feet away). The 11 private wells include one located within 500 feet of the test well, three located within 1,000 feet, five located within 2,000 feet and two located beyond 2,000 feet.

SCHEDULE

The target date to start pumping water from the test well is August 25, 2009. The target date for stopping pumping is about September 1, 2009. The target date to complete the recovery period is September 8th.

For further information contact:

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