

**TEHAMA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT  
COORDINATED AB3030 GROUNDWATER MANAGEMENT PLAN  
TECHNICAL ADVISORY COMMITTEE  
MINUTES OF MARCH 15, 2004**

Present: Gary Antone,, Bill Richardson, Walt Mansell,. Absent: Kevin Borrer, Tom Heffernan, Jim Lowden, Bob Steinacher, Roger Sherrill, Steve Kimbrough. Also present: Ernie Ohlin, Water Resources Manager and Dan McManus, Dept. Water Resources, (DWR).

1. **Call to Order:** The meeting was called to order at 2:10 p.m. by Chairman Gary Antone. As requested by members, the meeting was held onsite at the first well drilled on Hall Road.

**Due to lack of quorum, only Item #5 was discussed.**

5. **Overview of Monitoring Well Installation:** Ernie Ohlin stated, the pilot hole for the first well on Hall Road began with 6" diameter hole going approximately 1,000 " deep. Every 20' a sample has been taken. The present level is approximately 920'. Logging of the information has been done throughout the drilling by Dan McManus of DWR. This well was scheduled to be a triple completion, but has changed to a double completion well.

Dan McManus discussed his logging information and issues. Samples from cones were shown, screened samples, and rocks washed from these samples. In the beginning of the well digging, the drill goes at approximately 20' in 3 to 4 minutes, not leaving much time for sampling. Due to wind, the e-log information will be discussed at a later date.

Dan McManus continued that Tehama sediments, Tuscan sediments, and occasionally tough zones including ash were discovered. Samples from up to 980' were displayed. What is under the Tuscan is an unsure question. Could the Tuscan come back, inter-fingering, or the lower or upper Princeton? The possibility that this was the upper Princeton found during the sampling, although it may be too shallow, leads us to believe it could be the Tehama. Tests will be done to evaluate.

Discussion continued on screen intervals. 3- extra screens could be used for zones, leaving a 20' cellar for sediment to drop out. Bentonite chips will be added when the cement is pushed into the pipe. This will give a positive displacement and prevent gravel from being pushed down inside and cement flowing up into the column. The bentonite will be pushed out by fresh water. Fresh water is presently too low to test. This testing will be done by Water Quality at a later date. Today, the crew will ream a 12" hole working through the night.

The drilling machine was explained by Dan McManus and how samples were gathered from the drilling. Collecting was done every 20' which amounted to approximately every

20 minutes. Pyrite, myka, tough zone, brittle white ash material, was on the ground drying in the sample piles that were taken. Each of these show the paleo environment.

The next well drilled will be located on Bob Steinacher's property. This well, it is believed, will go deeper than the first well. USA locates are presently being completed.

With no further business, the meeting adjourned at 3:02 p.m.