



Utah Gas Corp
1125 Escalante Drive
Rangely, CO 81648
Phone 970.675.4400

May 5, 2019

Colorado Oil & Gas Conservation Commission
COGCC Pipeline Supervisor
Attn: Mr. Mark Schlagenhauf
1120 Lincoln Street, Suite 801
Denver, CO 80203

RE: Utah Gas Corp – DCU 1 Injection Well

Dear Mr. Schlagenhauf,

Utah Gas Corp evaluated the DCU 1 injection line failure and determined the hole was caused by microbial influenced corrosion. Although this is an ongoing process, the following steps have been taken:

- Baker Hughes was contracted to perform water analysis on our water injection tanks.
- The most effective biocides are AL133, XC320, and XC370.
- Completed field wide review and analysis of the wells allocated to the DCU 1 to determine the bacteria source.
- Water analysis of other wells showed bacterial growth in onsite tanks. Initial biocide shock treatments were performed on all tanks contributing to the bacteria growth at the DCU 1. The treatments showed progress in eliminating the bacteria.

Based on the effectiveness of the shock treatments, UGC decided to flush each tank while cleaning out the bottoms to expedite the elimination of the bacteria. Currently working on getting all contributing tanks flushed. Once all tanks have been cleaned Baker Hughes will analyze more samples and determine the best biocide treatment schedule.

UGC's goal is to eliminate all bacteria through continuous scheduled biocide treatments. Please contact me should you have any questions or concerns at 303-808-5049.

Best regards,

Norm Schwalm
Norman Schwalm
Petroleum Engineer