



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

DIVISION OF OIL GAS & MINING
FIELD VISIT FORM
TECHNICAL

Date : May 27, 1999

Time: 1:00 p.m. to 3:00 p.m.

Mine: Wellington Preparation Plant met at the Price Field Office

File Number: Act 007/012, Folder #2

DOG M Staff: Sharon Falvey

Other Attendees: Vicky Miller

Purpose:

This visit was set up to determine the cause for invalid numbers collected during field sampling for conductivity during the 1st quarter 1999 and 4th quarter 1998.

Observations:

Vicky brought the meter she used to collect the samples. It was determined that the meter was not read correctly. The meter changes notation with a ten fold change in the reading. Vicky was not aware of the notation change. This accounts for the values noted to be off by the power of ten from the lab conductivity. Other problems noted included negative numbers and numbers off the meters scale. Part of the problem was the meter was not sensitive to the high conductivity levels in these groundwater wells influenced by the Mancos Shale in the vicinity. The other problem may be the standard that was used to calibrate the meter was not in the concentration range of the well water.

Recommendations/Conclusions:

Vicky determined that she would use her old conductivity meter which she is more familiar with and which may have a greater range and less sensitivity and therefore is more compatible with water quality at Wellington. The readings that were negative are thought to be out of range and we will have to rely on the lab data for those values. It was also mentioned during that meeting it is believed the plan calls for increased monitoring when evidence of diesel byproducts are observed in the downstream wells.

Signature: Sharon Falvey, Remediation Hydrologist on June 7, 1999
<Name>, <Title>

cc: Paul Baker
Vicky Miller
Patrick Collins

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