



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

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DIVISION OF OIL GAS & MINING
FIELD VISIT FORM
TECHNICAL

Date : November 14, 1996, 8:00 a.m. to 2:00 p.m.
Mine: Wellington Prep Plant
File Number: ACT/007/012 Folder #2
DOGMA Staff: Robert Davidson, Paul Baker and Mike Suflita
Other Attendees: Patrick D. Collins, Mt. Nebo Scientific, Inc.

Purpose:
Check on surface soil quality in Borrow Area "A".

Observations:

- Sampled four locations within Borrow Area "A". These locations included the following: (1) upper north-central edge, (2) upper north-west edge, (3) central-east section, and (4) southern-central edge. The principal vegetation and soil surface observations include: (1) salt grass, (2) bare with surface salt crust, (3) poverty weed, and (4) bare with salt crust. Samples were spaded to an approximate 6 inch depth.
- Ran electrical conductivity (EC) and pH on each soil sample. This required making a saturated soil paste and 1:1 soil extract. Results are shown in the following table:

Sample #	soil paste pH	1:1 soil extract pH	soil paste EC, mmhos/cm
1	7.9	8.4	1.8
2	8.7	8.9	18.3
3	8.1	8.3	-
4	8.7	9.0	12.3

Recommendations/Conclusions:

- Salt affected soils in Borrow Area "A" preclude these soils as borrow material. Surface soil salvage will expose salt affected subsoils and will negatively impact the borrow area reclamation and revegetation success.

Signature: 
Robert A. Davidson, Reclamation Specialist III (Soils)

on November 15, 1996

11/15/96