



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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TECHNICAL FIELD VISIT

DATE: October 28, 1998
DOGM STAFF: Robert Davidson
ATTENDANTS: Jim Nyenhuis.
RE: Five Year Permit Renewal Changes, Cyprus Plateau Mining Corporation, Star Point Mine, ACT/007/006-98B, File #2, Carbon County, Utah

Purpose:

- Visit the proposed topsoil borrow area that will be used during reclamation of the refuse pile.

Background:

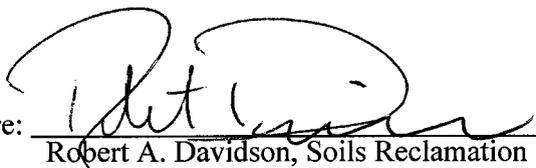
- Approval of the five year permit renewal package stipulated that a topsoil borrow area would be permitted by the end of 1998.

Field Observations:

- The area is located several miles north of the refuse pile, in an upland flat area in the foothills of Wasatch Plateau. The borrow area is accessed by using an old abandoned railroad grade. The vegetation community is Pinyon, Juniper with open areas of sage and grasses. Ten soil pits were dug and characterized with samples collected from soil profiles in four pits; additional samples were collected from the bottom C horizon in the other six pits. The soil is a well developed Mollisol with a unique soil profile consisting of a Mollic epipedon, an argillic B horizon that grades into a well developed calcic horizon. An old calcic horizon is also observed above the parent material. Gravels are frequent throughout the sollum. Pebbles, cobbles, stones and boulders are numerous and common through much of the soil profile. Samples will be analyzed according the Division's Guidelines for topsoil and overburden.

Recommendations and Conclusions:

- After analysis results are received from laboratory, a soil survey report will detail the area and the depth of soil available for reclaiming the refuse pile.
- Topsoil, the A horizon, should be salvaged separately at the time the borrow pit is opened, temporarily stockpiled, and used during reclamation of the topsoil borrow area.

Signature: 
Robert A. Davidson, Soils Reclamation Specialist

on October 29, 1998