



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 and Jean Semborski, Andalex. #2
RE: Permit Application Package, West Ridge C-Canyon, PRO/007/041, Carbon County, Utah

Purpose:

- Visit the Himonas gravel site; sample the proposed gravel borrow area for pH, EC, SAR, selenium, and boron; and develop sampling strategy.

Background:

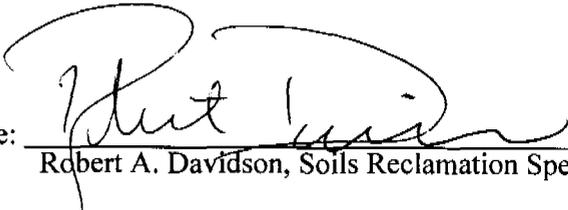
- The Division has major concerns about contamination of native fills and soils within the "C" canyon by the "salty" imported fills from the Himonas gravel-borrow pit. An appendix addendum has been included with the second PAP submittal for an additional source of gravel borrow from the Himonas Gravel Borrow Pit. Quality of fill to be received from the Himonas pit was detailed in the addendum and is rated as fair to poor for salts, sodium, and selenium according to the Division's Guidelines. Additional pit sampling shows that a portion of the pit is occupied by salts in the good to fair category. With additional delineation for salts within the pit, gravels may be secured as fills if they are shown to be the same and/or better quality as native fills in "C" Canyon.

Field Observations:

- Several additional pits were dug by a track hoe in the upper northeast corner of the pit. Within these pits, gravels were 15 feet or greater in thickness above Mancoes shale. Vegetation is Sagebrush.

Recommendations and Conclusions:

- Gravel layers will be sampled and any salt affected gravels will be delineated within the upper northeast area of the Himonas gravel borrow pit. Analyses will include EC, pH, SAR, Se, and B.
- To help prevent salt contamination of native fills and soils, any high salt affected gravels or fills should not be imported to "C" Canyon. Gravels may be secured as fills if they are shown to be the same and/or better quality as native fills in "C" Canyon.

Signature: 
 Robert A. Davidson, Soils Reclamation Specialist

on October 29, 1998