



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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DATE: July 14, 1992

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Henry Sauer, Senior Reclamation Soils Specialist *HS*

RE: Permit Change Application - Gentry Mountain Air Shaft, Cyprus-Plateau Mining Company, Star Point Mine, ACT/007/006, Folder #2, Carbon County, Utah

## SYNOPSIS

Cyprus-Plateau Mining Company submitted a proposal (received June 21, 1992) to construct the Gentry Mountain Air Shaft. The proposed disturbance is within the permit area. The proposed disturbance will include a drill pad, a 550 foot long road and the redisturbance of a preexisting reclaimed road.

The operator must sufficiently address the forthcoming issues prior to permit approval.

## ANALYSIS

### **R645-301-222. SOIL SURVEY.**

The operator depicts the soil in the area of the proposed disturbance as a fine, mixed, Argic Pachic Cryoboroll (Map 222.100f). Site specific profile descriptions are not included to verify the family and great group designation.

In addition the Permit Area Soils Map depicts the proposed disturbance within soil map unit 412 (fine, montmorillonitic, Argic Pachic Cryoboroll). The profile description provided in the permit for map unit 412 indicates that the described solum has an A-horizon between 0-9 inches. However, in accordance with SMSS Technical Monograph No.19 Fourth Edition, 1990, page 289, Argic Pachic Cryoborolls " have a mollic epipedon (A horizon) that is 40 cm (i.e. 15.75 inches) or more thick...". Please rectify this discrepancy.

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**R645-301-232. TOPSOIL and SUBSOIL REMOVAL**

The operator must commit to removing all topsoil as a separate layer from the areas to be disturbed. The operator must describe the methods for topsoil removal, storage and redistribution upon the disturbed area. The operator must also describe the methods for protecting the salvaged topsoil from contaminants, compaction and erosion prior to and after topsoil redistribution.

**RECOMMENDATION**

The aforementioned deficiencies must be adequately addressed prior to approval of this permitting action.