



**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 :** October 23, 1996, 9:00 a.m. to 1:30 p.m.

**Mine:** Horizon Mine

**File Number:** ACT/07/020 #2

**DOGMA Staff:** Robert Davidson and Susan White

**Other Attendees:** Leland Sassar, NRCS and Vikey Bailey, EarthFax

**Purpose:**

- Soil characterization and taxonomic classification of the hydric soils in the lower Jewkes Creek wet meadow area.

**Observations:**

- The lower Jewkes Creek meadow area was flooded and frozen over. The soil surface was frozen to about 2 inches.
- Hydric soils were identified only in the lower quadrant of the Jewkes Creek meadow area between the stream and the hillside. EarthFax's soil pit is located outside this wetland area. Several pits were dug identifying well developed hydric soils in both sediment and coal/debris material. Hydric soils with 16 to 18 inches of new sediment over coal/debris were mainly located immediately adjacent to the hill side and east of the stream. The coal/debris came to the soil surface as we moved westward and across the stream to the road.
- Only one pit was excavated for the soil characterization and diagnostic description. This pit was located between the stream and hillside on the immediate flank of the rock face outcropping. A second pit south and adjacent to the hillside verified the hydric soil description.
- The taxonomic classification places these soils in the Entisols order as either aquents or fluvents suborder.

**Recommendations/Conclusions:**

- A soil report from NRCS will be provided to EarthFax detailing the soil survey of the Jewkes Creek area with the hydric soil determination for the lower wet meadow area.

Signature: \_\_\_\_\_

Robert A. Davidson, Reclamation Specialist III (Soils)

on October 24, 1996

