



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

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August 18, 1999

TO: File

THRU: Daron Haddock, Permit Supervisor

FROM: David Darby, Senior Reclamation Specialist

RE: Mid Term Permit Review, Utah American Energy, Inc., Horse Canyon Mine, ACT/007/013-98MT, File #2, Carbon County, Utah

**SUMMARY:**

The Division conducted its last Mid-Term review in July, 1999. Some of the hydrologic information pertaining to diversion ditch 19B was unclear and more information was requested by the Division. I later talked to Jay Marshall, who helped clarify the design information. An addendum to the Mid-term was received on August 16, 1999 containing the information needed for final assessment.

**TECHNICAL ANALYSIS:**

**OPERATION PLAN**

**Hydrologic Information**

Regulatory Reference: R645-301-700

Maps submitted by the applicant show the surface hydrology, including drainage ditches, berms, culverts and sedimentation ponds to be used at the remaining (excluded from reclamation) facilities.

**Analysis:**

The applicant submitted Drawing NO. II-3D and Figure 1, identifying the method proposed to transfer disturbed drainage across the county road to the sedimentation pond. The information clarified the features on the drawing. A culvert, which already exists under the access road, will direct flow from Diversion Ditch 19B to Sedimentation Pond2.

The legend used to identify features in Maps II-3A, II-3B, II-3C, II-3D, II-3E, II-3F and

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II-3G is located in Drawing IV-3.

The applicant provided ditch design information to show that Ditch 19B will contain the flow of a 10 yr- 6 hr runoff event and will be constructed to discourage vehicle travel across the ditch.

**RECOMMENDATION:**

This design submittal is recommended for approval. With approval of this submittal, the hydrologic information is complete for recommending approval of the Mid-term review.

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cc: Susan White  
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