

January 30, 1986

TO: Technical File

FROM: David W. Darby, Reclamation Geologist *RD for DD*

RE: Permit Modification - January 1986, Lease U-1042235, Skyline Mine, ACT/007/005, Carbon County, Utah

SUMMARY: Coastal States Energy submitted plans to extend their current mine permit boundaries by adding 160 acres to the N 1/2 of S 1/2 of Section 11 or the north boundary of the permit. The plans do not define the geologic attitude of the lease area, potential impacts to the stream and springs from subsidence or the method for monitoring the impacts from subsidence.

BODY: Office memo, Policy Decision on Mining and Reclamation Plan Content Requirements for Lease additions to Coal Permits, November 19, 1985 requires that the additional lease area permit stand on its own in describing all activities and impacts.

Whereas, the applicant will be longwall mining in and adjacent to the new lease that contains spring and surface runoff in the area, the applicant should describe potential effects to those water sources and changes to the hydrologic balance.

Data submitted in the application indicates that stream flow still occurs on the area in September. This information suggests that the stream might be a perennial stream instead of an intermittent stream as shown in the mine plan. If the stream is a perennial the applicant will be required to adhere to regulation UMC 817.126.

The applicant will be required to monitor for subsidence in the area of the new lease. The method of monitoring should be described.

The applicant is required to establish the hydrologic connection between any aquifers and springs in the vicinity and indicate the attitude of the strata in the area.

jvb  
cc: D. Cline  
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