



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

Michael O. Leavitt  
 Governor

Ted Stewart  
 Executive Director

James W. Carter  
 Division Director

355 West North Temple  
 3 Triad Center, Suite 350  
 Salt Lake City, Utah 84180-1203  
 801-538-5340  
 801-359-3940 (Fax)  
 801-538-5319 (TDD)

TO: File

THROUGH: Daron Haddock, Permit Supervisor

FROM: Paul Baker, Reclamation Biologist 

DATE: January 5, 1994

RE: Proposal to Use Longwall Mining Equipment, Andalex Resources, Inc., Centennial Project, Folder #2, ACT/007/018, Carbon County, Utah

## SUMMARY AND ANALYSIS

Andalex has proposed to use longwall mining equipment in portions of the Aberdeen, Centennial, and Gilson Seams. Most of the longwall mining would occur in the northwest portion of the permit area in the Aberdeen and Centennial Seams.

When Andalex originally proposed to add the AEP lease in 1992, Ken Phippen of the Division of Wildlife Resources (DWR) walked up Alrad Canyon to see what potential existed for affecting cliff-nesting raptors. Although there are many cliffs in the canyon, the areas that were to be undermined were primarily in the upper portions of the canyon where the Price River and Wasatch Formations outcrop. Outcrops of these formations do not usually contain massive cliffs such as might occur in the Castle Gate Formation. He decided that there was little chance for losing any nests through surface effects of subsidence.

Most of the area that Andalex proposes to mine by longwall methods is just to the east of the area surveyed by Mr. Phippen. The surface geology is very similar. The area does not contain suitable habitat for cliff-nesting raptors.

R645-301-322.100 says that the Division must determine the scope and level of detail of wildlife information based on consultations with wildlife agencies. I have discussed the proposal with Mr. Phippen, and we decided that information beyond what is contained in the plan is not required for these areas.

## RECOMMENDATIONS:

The present plan contains adequate commitments to protect wildlife and livestock from the surface expression of subsidence. Further wildlife information is not required.

