



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)

November 2, 1993

TO: File

THRU: Daron Haddock, Permit Supervisor

FROM: Steven M. Johnson, Reclamation Specialist *SMJ*

RE: Exploration Project, Costal States, Convulsion Canyon, ACT/041/002-93C, Folder #2, Sevier County, Utah.

SUMMARY

A proposal for an exploration drilling project was submitted to the Division by SUFCo. The hydrology of this project was review on November 1, 1993. Although hydrology is not a major part of this project, there are some hydrological issues that must be addressed.

ANALYSIS

R645-301-700 Hydrology
R645-301-731.600 Stream Buffer Zones

Proposal:

Drilling site number 94-24-1 is proposed to be locate in the southwest corner of section 24, township 21 south, range 4 east.

Analysis:

Access to the proposed drilling site number 94-24-1 would require crossing a perennial stream. Damage to the riparian vegetation would be inevitable.

Deficiency:

1. The location of this site should be change so that access would not require crossing a perennial or intermittent streams.



R645-301-742 Sediment Control Measures

Proposal:

Section 6.4.3.4, Hydrology

The performance standards described in Chapter 7, Hydrology, will be followed where applicable during the exploration period. Siltation structures and impoundments will not be constructed.

Analysis:

Sediment control measures are not included in the plan for the exploration project, but the operator has not demonstrated that sedimentation would not degrade the water quality.

Deficiencies:

1. The operator must demonstrate that siltation structures are not need to maintain water-quality standards, or design and implement sediment control measures.

RECOMMENDATIONS

The operator could implement an alternate sediment control measure for all areas in this project. One possible option is to include vegetated areas down slope from all disturbances as vegetative filters. These areas would be included to the plan as disturbed areas, and the operator would commit to cleaning these filters if sediment from this project should contaminate these areas.