

Document Information Form

Mine Number: C1007/006

File Name: Incoming

To: DOGM

From:

Person N/A

Company N/A

Date Sent: SEPTEMBER 01, 1981

Explanation:

817.101 BACK FILLING AND GRADING.

cc:

File in: C1 007 , 006 , Incoming

Refer to:

- Confidential
- Shelf
- Expandable

Date _____ For additional information

B17.101 BACKFILLING AND GRADING

A. DESCRIPTION OF EXISTING ENVIRONMENT

The Starpoint Mines MPA is located on the eastern base of the Wasatch Plateau in central Utah. Mine facilities are located at an elevation of approximately 8,570 feet. The site is at the base of an erosional escarpment immediately west of Castle Valley. Coal outcrops appear in the canyon walls and along the cliffs of the eastern Wasatch Plateau.

RECEIVED

SEP 01 1981

DIVISION OF OIL, GAS & MINING

original copy

DWH

File

ACT/007/006

Strata generally dip southerly at 1 to 3 degrees. Rock types at the site are late Cretaceous in age and consist of gray sandstone interbedded with carbonaceous shale and coal seams. The three coal seams to be mined occur within the Blackhawk Formation of the Mesaverde group. A general columnar section of the MPA is shown in section 6A (p. 6-7) of the MRP.

Surface facilities consist of three portals, one surface breakout in Mud Water Canyon for ventilation, crushing and washing plants, a waste coal pile and various mine buildings such as warehouses and offices. Surface facilities are shown on Plates 3-1 and 2-2.

B. DESCRIPTION OF APPLICANT'S PROPOSAL

Mining will be conducted simultaneously on three seams using room and pillar methods with continuous miner or longwall equipment (see B17.59, Coal Recovery). Because this is an underground mine only those areas disturbed for surface facilities will be recontoured and reclaimed. Backfilling and grading plans are described in section 3.6A. Planned final contours are shown on Plates 3-6A through 3-6E. The reclamation timetable, Table 3-10 (p. 3-123) gives times for all facility removal and regrading.

File in:

- Confidential
- Shelf
- Expandable

Refer to Record No. 0037 Date _____

In C/ 007, 006, Incoming

For additional information

C.

EVALUATION OF COMPLIANCE

817.101 The applicant has committed to the restoration of surface sites, including returning the area to approximate original contours. Soil on backfilled areas will be compacted to insure stabilization. The applicant is in compliance with this section.

817.102 The applicant is committed to the reduction of all highwalls to achieve a static safety factor of 1.3 (Plate 3.6D). The use of terraces is not anticipated. The applicant is in compliance with this section.

816.103 The applicant states that no acid-forming or toxic materials are produced by the mine (p.3-55). The applicant is committed to filling the sealed portals with non-combustible materials. However, the extent to which coal seams will remain exposed in portal areas is unclear. The applicant is not in compliance with this section.

816.106 The applicant states that not streams pass through the areas to be reclaimed, and that site drainage systems will be backfilled and graded. The applicant will use mulching, burlap covers and water bars to control erosion on reclaimed areas, particularly roads. The applicant is in compliance with this section.

D.

REVISIONS TO APPLICANT'S PROPOSAL

None

E.

REEVALUATION OF COMPLIANCE

Not Applicable

F. PROPOSED SPECIAL STIPULATIONS WITH JUSTIFICATION

816.103 The applicant will backfill and cover coal seams exposed as a result of his operations with at least four feet of non-combustible material.

G. SUMMARY OF COMPLIANCE

If the proposed stipulation is implemented this section will be in compliance.

H. PROPOSED DEPARTMENTAL ACTION

Approval with one stipulation

I. ENVIRONMENTAL IMPACT OF PROPOSED DEPARTMENTAL ACTION

This action will allow return of the area to approximate original contours, following the plans of the applicant after necessary disturbance for the recovery of leased coal.

J. RESOURCE ALTERNATIVES TO THE PROPOSED DEPARTMENTAL ACTION

None

K. ENVIRONMENTAL IMPACTS OF ALTERNATIVES

Not Applicable.

TELECOPIER MESSAGE
OSM-REGION V

Notify: Wayne Hedberg OCM

Phone No.: _____

From: John Nadolski

Phone No.: 303-837-3773

No. of Pages: 2 TM No. 11828

Date: 9/1/51 Time: 11:00 AM

UMC ~~822~~ 822 Alluvial Valley Floor Determination

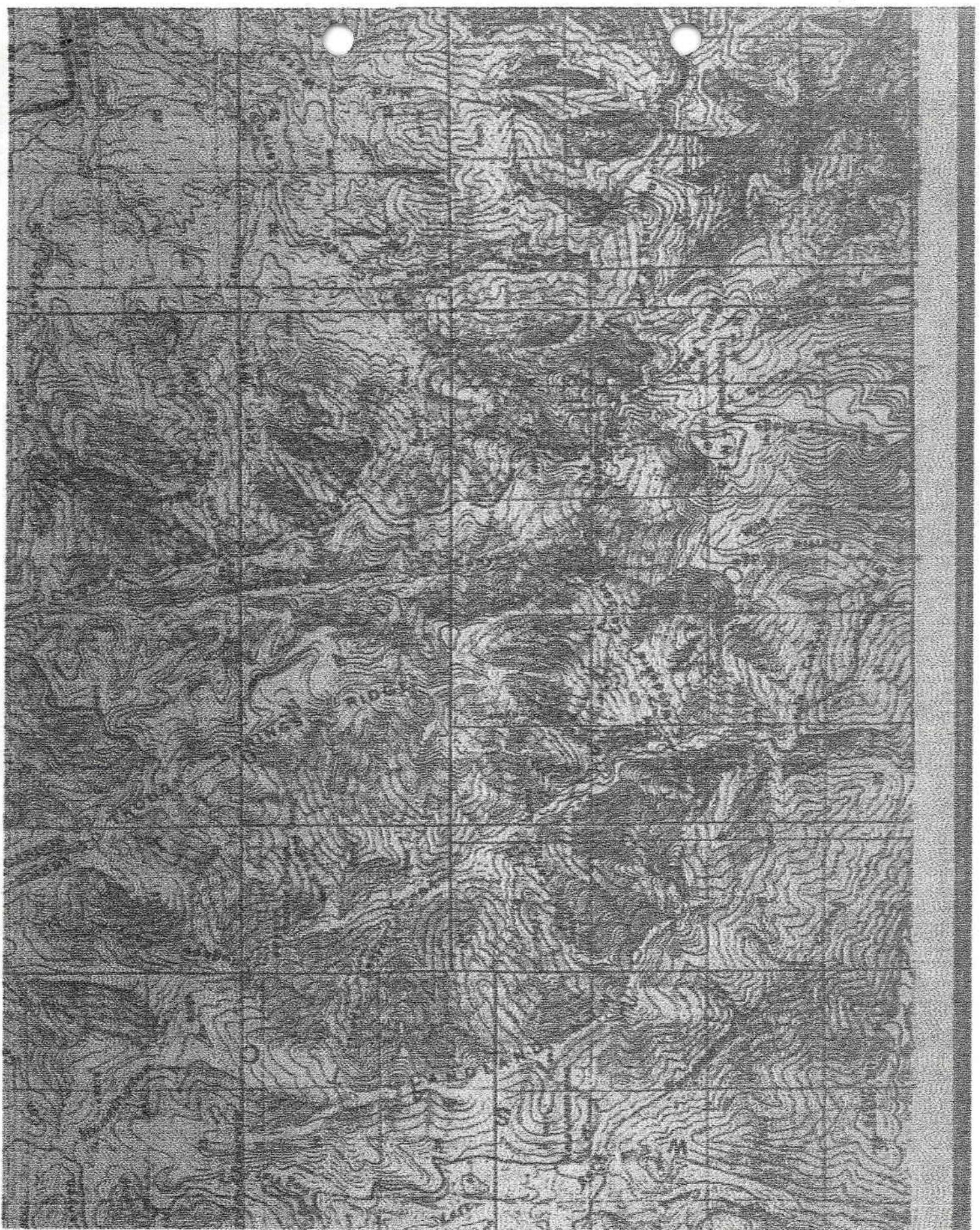
A. Description of Existing Environment

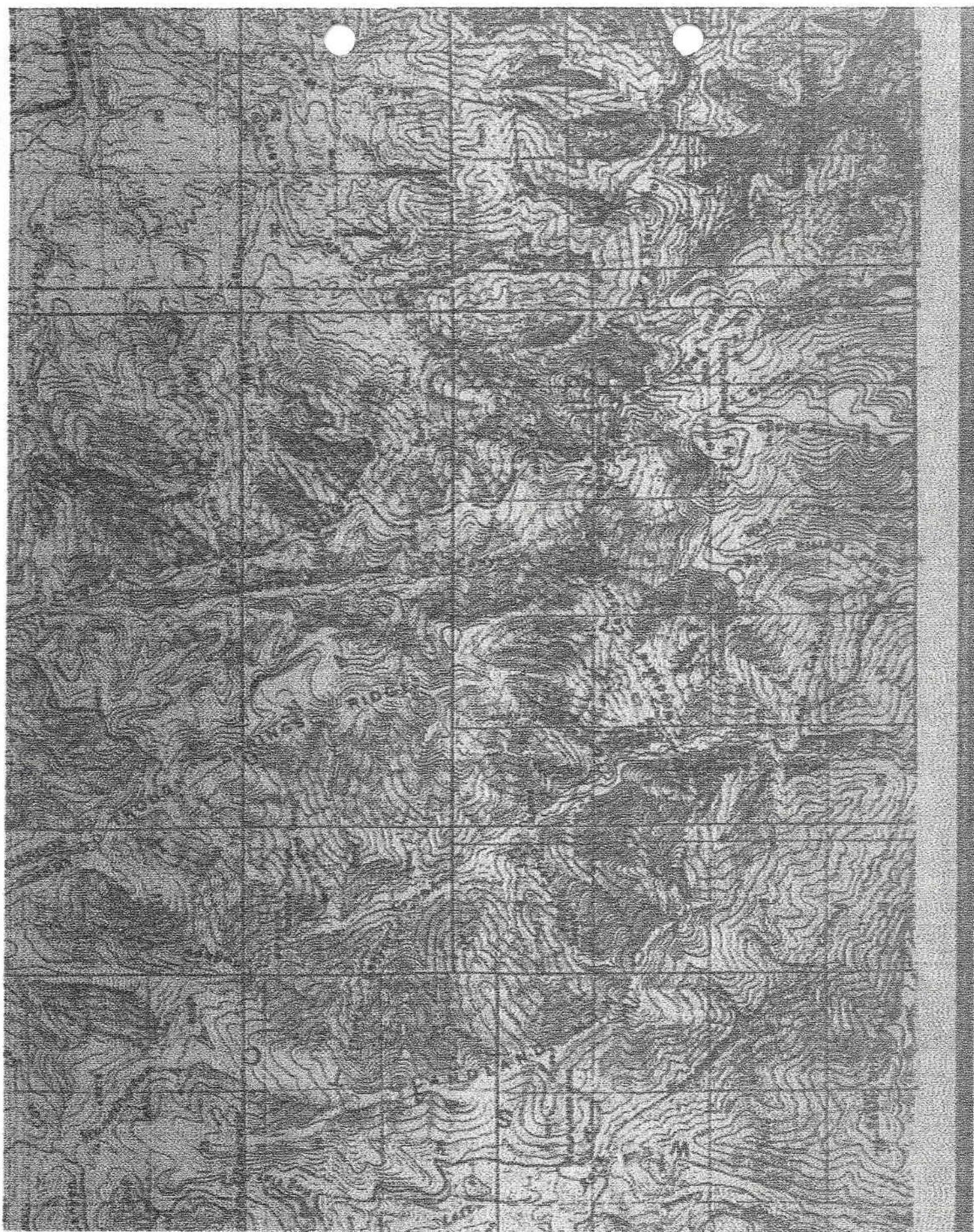
The Star Point Mines are located on the eastern edge of the Wasatch Plateau. The plateau edge is a steep cliff with a maximum relief of approximately 1000 feet. Slopes within the mine plan area vary from more than 65 degrees east of Star Point to less than two degrees on Gentry Ridge (see Figure —).

Coal outcrops appear ⁱⁿ the canyon walls and along cliffs. Rock types at the site are late Cretaceous in age and are generally composed of gray sandstone of fine to medium grain, interbedded with subordinate gray carbonaceous shale and with coals seams.

~~Sections of~~ ^{five} perennial streams drain the Star Point mine plan area. Mud Water Canyon and Corner Canyon tributaries to Gordon Creek of the Price River Basin; Miller ~~Creek~~ Creek (tributary to the Price River); and Gentry Hollow Creek and Wild Cattle Hollow Creek (tributaries to the Fort Creek which flows into Huntington Creek, a tributary to the San Rafael River).

Alluvial deposits were located ⁱⁿ Huntington ~~Canyon~~ and Woodward Canyon. The alluvial deposits in Woodward Canyon cover 6070 acres (p 7-91). Woodward Canyon and Huntington Canyon are a minimum of 1.7 and 2.7 miles, respectively from the present lease boundary.





County zoning ordinances classify the permit area as a recreation, forestry, and mining zone to be used for recreation, forestry, grazing, wildlife, and mining purposes (p 4-1).

B. Description of Applicant's Proposal

The applicant ~~do not~~ suggest that there will be no effect on the alluvial deposits in either Woodward Canyon or Huntington Canyon because of their remoteness from the underground mining operations. (Present surface disturbance ^(potential) is a minimum of 4.7 miles from either Woodward Canyon or Huntington Canyon). Groundwater flow in the micropor area follows the dip to the southeast, away from Woodward Canyon (p. 7-911).

No alluvial deposits or farming operations ^{have} been identified. Mud Water Canyon, Corner Canyon, Upper Miller Creek, Gentry Hollow, or Wild Cattle Hollow

C. Evaluation of Compliance

No streams in or adjacent to the permit area meet the qualifications for alluvial valley floors. The nearest probable alluvial valley floors are in Woodward Canyon and the mouth of Huntington Creek. Present mining operations will not impact Woodward Canyon and will not significantly impact Huntington Creek. Therefore, the applicant is in compliance with this section.

D. Regulatory Authority

E. Evaluation of Compliance

F. Proposed Stipulations

None

G. Summary of Compliance

The ~~regulatory~~ regulatory authority makes a determination of no alluvial valley floors on Mud Water Canyon, Green Canyon, Upper Miller Creek, Gentry Hollow, and Wild Cattle Hollow. The present mining operation will not have an impact on the alluvial deposits in Woodward Canyon and will not have a significant impact on Huntington Creek.

H. Proposed Departmental Action

To approve the mining and reclamation plan

I. Environmental Impacts of Proposed Departmental Action

Woodward Canyon will not be impacted with the proposed mining operation; however, if the applicant obtains rights to and mines the Castle Valley Ridge Tract, impacts on Woodward Canyon will have to be re-evaluated.

Responsible

J. Alternatives

Above

K. Environmental Impacts of Proposed Alternatives

Not Applicable.