

0003 VALLEY CAMP OF UTAH, INC.

P. O. Box 507
Clear Creek, Utah 84517

ACT-007-001

ROBERT J. STEELE, VICE PRESIDENT
ENGINEERING & CONSTRUCTION

March 16, 1976



Mr. Ronald W. Daniels
Coordinator of Mined Land Reclamation
Utah Department of Natural Resources
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Dear Mr. Daniels:

Enclosed is the proposed Mining & Reclamation Plan to accompany our previously submitted letter of application for a mining permit for our Belina No. 1 Mine. Also included is a copy of the Mining & Reclamation Plans and Appendix that were presented to the U.S.G.S. for approval early last year.

As I mentioned during your visit in December, this project was in progress prior to the effective date of the Mined Land Reclamation Act and we are making application for a mining permit on this basis as per Section 26, Paragraph 1 of the Act.

Our Belina Mines Project Engineer, Mr Gary Taylor, has prepared the MR-2 Documents and should be able to supply any additional information. I will also be available at any time to be of any assistance required.

Very truly yours,

Robert J. Steele

RJS:j

Enclosures

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN

(Other forms may be used in lieu of MR 2, provided they contain the same information)

1. Name of Applicant or Company Valley Camp of Utah, Inc
2. Proposed type of operation Underground Coal Mine
3. (a) Prior Land Use(s) Sheep grazing and range for deer and elk
(b) Current Land Use(s) Sheep grazing and range for deer and elk
(c) Possible or Prospective Future Land Use(s) Sheep grazing
4. What vegetation exists on the land proposed to be affected Native grasses, sage brush, aspen trees and evergreen trees
(a) Types and Estimated Percent cover or density: Native grasses, sage brush, aspen trees, and evergreen trees and the tree density is sparse
5. What is the range pH of soil before mining? Unknown pH
Name of Person or Agency and method of determining pH No tests were made because the mine was active before the law was passed.
6. Site elevation above sea level 9032 feet
7. In case of coal, oil shale, and bituminous sandstone:
Principal seam(s) and thickness(es) O'Connor Upper Seam and 14 $\frac{1}{2}$ feet thick
8. Estimated duration of mining operations 20 to 35 years
9. Has overburden, waste or rejected materials been classified as acid or alkali producing? () Yes (x) No
Does the above material being moved have any other characteristics affecting revegetation? No
10. Will any underground workings or aquifers be encountered? () Yes (x) No
Describe _____
Is there an active discharge of water from abandoned deep mines on or crossing the land affected? () Yes (x) No If yes, describe the quality of water being discharged. _____

11. Describe specifically a detailed procedure for:

- (a) The mining sequence
- (b) The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.
- (c) The procedure for site preparation including removing trees and brush.
- (d) The method for removing and stockpiling topsoil or disturbed materials.
- (e) The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic material.
- (f) A procedure for final stabilization of disturbed materials.

GRADING AND REGRADING

Specifically describe:

- (a) Typical cross-section of regrading.
- (b) The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material.
- (c) What type of soil treatment will be utilized.
- (d) The method of drainage control for the final regraded area.
- (e) Maximum grading slope.

TESTING

1. Describe method for testing stability of reclamation fill material.

Standard engineering compaction tests

Describe method for the testing of soil that is intended to support vegetation

This is high grade mountain tipsoil and it is felt that tests are not required.

2. Describe any soil treatment employed as an aid to revegetation None

3. Describe surface preparation of areas intended to support vegetation:

Refer to "Part b" of the Grading and Regrading Section

REVEGETATION

1. Revegetation to be completed by:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Operator | <input checked="" type="checkbox"/> Hydroseeding |
| <input type="checkbox"/> Soil Conservation District | <input type="checkbox"/> Aerial Seeding |
| <input type="checkbox"/> Private Contractor | <input type="checkbox"/> Conventional or Rangeland Drilling |
| Name _____ | <input type="checkbox"/> Other (specify) _____ |
| <input type="checkbox"/> Other (specify) _____ | |

2. Will Mulch be used?

Type Wood fiber and straw Rate/Acre 160 lbs.

11. Describe specifically a detailed procedure for:

a. The mining sequence

The main entries of the mine will be down the dip of the seam and will eventually be driven to outcrop in the next canyon to the west. Other mines that may later be developed in this second canyon might be tied to the Belina transportation system through this set of main entries so adequate safety barriers will be left to protect the entries. A second set of entries will be turned from the main entries to nearly split the reserve block. Panel entries and room and pillar mining areas will be driven off this second set of entries. It is planned that pillars will be pulled on retreat from the panels. In the thick coal that is anticipated in parts of the mine, pillar extraction will be attempted while taking the bottom coal. All of this work will be done in a systematic manner in an attempt to minimize irregularities in overlying beds.

There are several relatively thick sandstone units above the coal seam. This stratigraphic condition should prevent significant caving that would be reflected very far above the seam. Proper planning of pillar extraction should create a very small effect on the surface of the ground or any perched water tables. Subsidence at the surface should not exceed ten percent of the coal thickness (less than one foot to about two feet). It will not affect the present land use (grazing) at all nor will it change significantly the drainage patterns that are deeply incised in the plateau-like area.

Mining will be accomplished by continuous mining sections with shuttle cars and conveyor belt haulage. Roof support will involve timbers and crossbars in areas where needed. Elsewhere, roof bolts will be used in accordance with MESA and state requirements.

b. The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.

The road construction for the access road will begin by surveying and staking the road location. After this is completed timber crews will come in and remove all large trees from the right-of-way and haul them to a location designated by the surface owner. Once the timbering has been completed heavy equipment will start road preparation. All topsoil removed from the right-of-way will be stockpiled along the right-of-way above the road cut until it is need in reclaiming the road. The total length of the access road will approximately 2.08 miles. Width of the cut will be 45 feet with a minus two percent grade from the crown. After the final grades are established nine inches of untreated crushed coarse gravel will be placed on the road. The untreated crushed coarse gravel will also have a minus two percent grade from the crown. The width of the gravel fill will be 25 feet. A ditch will be placed at the edge of the 45 foot cut. Culverts will be placed under the road so the run off will flow into the natural drainage.

c. The procedure for site preparation including removing trees and brush.

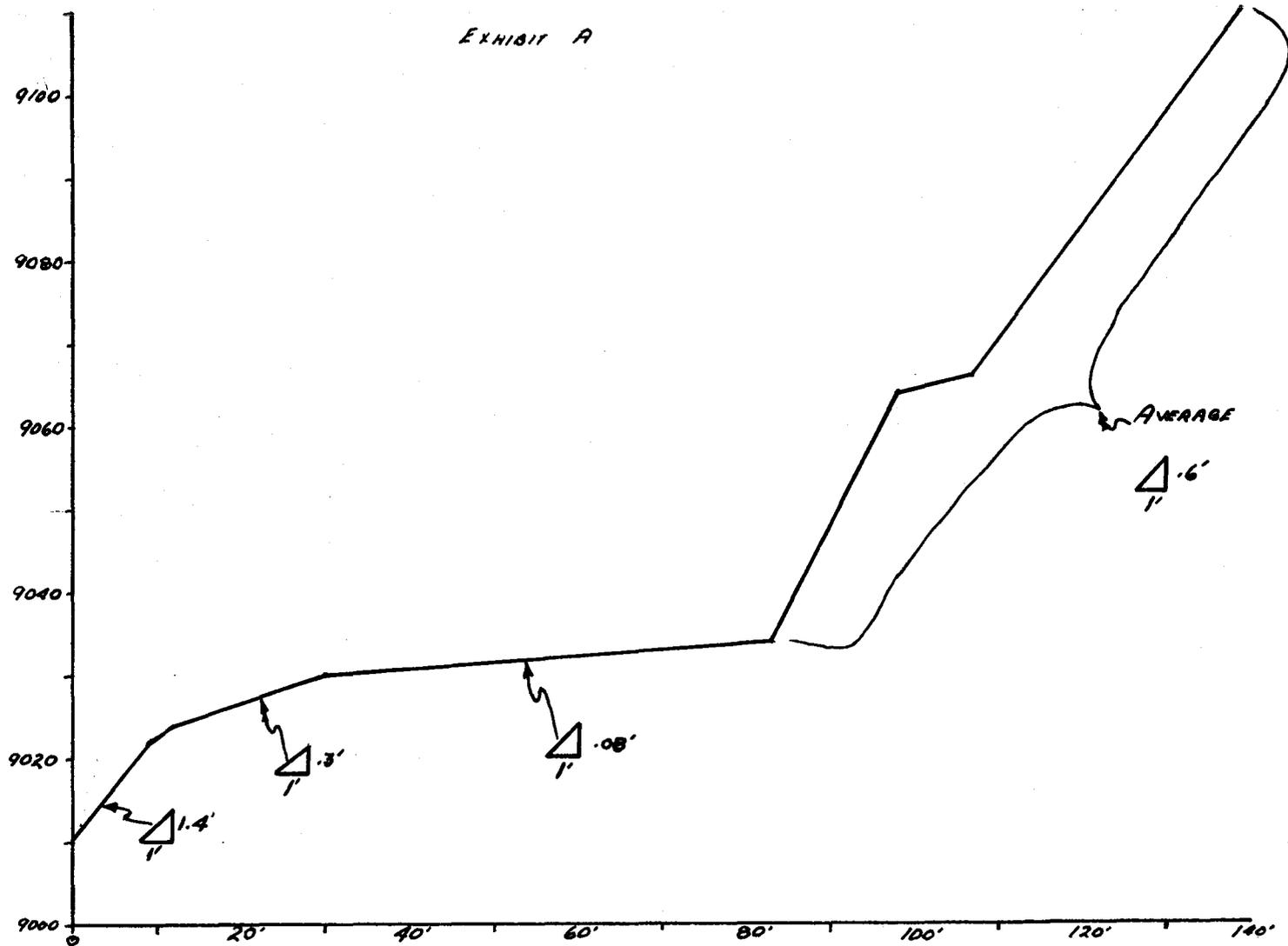
The mine complex is located at the head of a canyon locally known as Whiskey Canyon. The timber crews came in and removed all timber and brushes. This material was then trucked to a location designated by the surface owner. After the timber was removed the topsoil was removed and stockpiled in the left-hand fork of whiskey Canyon. Heavy equipment has started cut and fill development to allow enough unbroken bedrock above the coal seam to be exposed to allow for safe portal work. The cut and fill will be designed carefully

SUBJECT
DRAWN BY

VALLEY CAMP OF UTAH
P.O. BOX 507 CLEAR CREEK, UTAH 84517

SCALE
DRAWING NO.

TYPICAL CROSS-SECTION FOR REGARDING
EXHIBIT A



as work progresses to assure adequate space for the mine system. Drainage in the area will be maintained by extensive use of culverts.

- d. The method for removing and stockpiling topsoil or disturbed material.

The topsoil was removed by bull-dozer and stockpiled in the left-hand fork of Whiskey Canyon.

- e. The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic material.

The right-hand fork of Whiskey Canyon above the mine site will be used to dispose of waste from the mine. The drainage will be maintained with a culvert and the waste covered and seeded as required over the culvert. The waste material from the mine is neither acid, alkali, or toxic. No treatment of the waste material is required.

- f. A procedure for final stabilization of disturbed materials.

A sheep foot tamper was used to compact the soil as the excavation was taking place. After construction has been completed then all of the banks will be reseeded.

GRADING AND REGRADING

Specifically describe:

- a. Typical cross-section of regrading.

"See Exhibit A"

- b. The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material.

The topsoil will be spread using a scraper and will be contoured using a motor grader. Six inches of topsoil will be spread over all the mine site area, except for sloped areas.

- c. What type of soil treatment will be utilized.

No soil treatment will be utilized during the reclamation of the mine site.

- d. The method of drainage control for the final regraded area.

No drainage control will be used for the final regraded area.

- e. Maximum grading slope.

"See Exhibit A"

3. Revegetation Plan and Schedule - Revegetation will commence when mining operations are completed.

Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted

4. Will affected area be subject to livestock or wildlife grazing? Yes
 No Will vegetation protection be needed? No

5. Will irrigation be used? Yes No Type _____

6. Describe maintenance procedures for revegetation if needed, until surety release is granted. No maintenance procedures will be required.

I, the undersigned Operator, hereby submit this to be my Reclamation and Mining Plan for the area shown on the attached map. I further understand that the operation will be conducted in accordance with the Mined Land Reclamation Act of 1975, and all rules and regulations currently in effect thereunder.

Signed [Signature] Operator Date 3/17/76

Taken, subscribed and sworn to before me the undersigned authority in my said county, this 17th day of March, 19 76.

Notary Public [Signature]

My Commission Expires: 4-14-79