

0008



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 Western States Coal Corporation
2. Proposed type of operation Mining - Coal - Underground
3. (a) Prior Land Use(s) Same  
(b) Current Land Use(s) Current  
(c) Possible or Prospective Future Land Use(s) Same
4. What vegetation exists on the land proposed to be affected Desert Type  
Forage  
(a) Types and Estimated Percent cover or density: \_\_\_\_\_
5. What is the range pH of soil before mining? Underground - No pH determination  
Name of Person or Agency and method of determining pH PH will be determined by proper State agency.
6. Site elevation above sea level 6300 El. mine portal
7. In case of coal, oil shale, and bituminous sandstone:  
Principal seam(s) and thickness(es) Ferron "I" Seam 13'
8. Estimated duration of mining operations 20 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? (X) Yes ( ) No  
Describe Reactivation of old mine workings. No aquifers will be encountered.  
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: See attached sheet
- (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: See attached sheet.

- (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.  
Dependent on local experience with different soil types. Least erosive soil will be used.  
Describe method for the testing of soil that is intended to support vegetation Standard nutrient test from USU.
2. Describe any soil treatment employed as an aid to revegetation Possible  
fertilization - nutrient test will dictate treatment.
3. Describe surface preparation of areas intended to support vegetation:  
None planned but seeding or planting will be done on a non-crust seedbed.  
\_\_\_\_\_  
\_\_\_\_\_

REVEGETATION

1. Revegetation to be completed by:
- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Operator        | <input type="checkbox"/> Hydroseeding   |
| <input type="checkbox"/> Soil Conservation District | <input type="checkbox"/> Aerial Seeding   |
| <input type="checkbox"/> Private Contractor         | <input checked="" type="checkbox"/> Conventional or Rangeland Drilling            |
| Name _____  | <input checked="" type="checkbox"/> Other (specify) <u>Seed &amp; drag chain.</u> |
| <input type="checkbox"/> Other (specify) _____      | <input checked="" type="checkbox"/> Other - Transplants                           |
2. Will Mulch be used?  
Type No Rate/Acre \_\_\_\_\_ lbs.

3. Revegetation Plan and Schedule -

Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted
Fourwing Saltbrush	2 lb.	Reject piles	All	Late fall/Oct. Nov.
Indian Ridgegrass	1 lb.	" "	"	" "
Sand Dropseed	1 lb.	" "	"	" "
Big Rabbit Brush	4 lb.	" "	"	" "
Russian Wildrye	2 lb.	" "	"	" "

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

5. Will irrigation be used? ( ) Yes ( x ) No Type \_\_\_\_\_

6. Describe maintenance procedures for revegetation if needed, until surety release is granted. None needed

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 Western States Coal Corporation  
Don D. Hunter Operator Date 2/18/76

Taken, subscribed and sworn to before me the undersigned authority in my said county, this 18<sup>th</sup> day of February, 19 76.

Notary Public Hal W. Summers

My Commission Expires: 6/27/77

## Mining and Reclamation

11. a. Mining sequence is room and pillar and pillar extraction.
- b. All access roads are county roads and are maintained by the county.
- c. Procedure for site preparation including removal of trees and brush: None
- d. Method for removing and stockpiling topsoil or disturbed materials: None
- e. 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 - Refuse material will be placed in a non-drainage area and covered with upper horizon material. New reject piles will conform to all requirements of Part 77, Title 30, Code of Federal Regulations pertaining to refuse piles.
- f. Final stabilization of refuse pile will be in accordance with Part 77, Title 30, Code of Federal Regulations pertaining to refuse piles.

## Grading and Regrading

- a. Cross section of regrading area: New refuse piles will conform to standards for refuse piles contained in Part 77, Title 30, Code of Federal Regulations pertaining to refuse piles and covered with 4-6 inches of upper horizon material.
- b. Method for spreading topsoil or upper horizon material on regraded area: Upper horizon material will be spread over refuse piles 4-6 inches thick by conventional earth spreading methods.
- c. Type of soil treatment to be utilized will be the proper treatment for revegetation.
- d. Method of drainage control for final regrade area: Any drainage will be diverted away from the refuse pile.
- e. The maximum grading slope on the refuse pile will be approximately 30°.