



United States Department of the Interior
 OFFICE OF SURFACE MINING
 Reclamation and Enforcement
 BROOKS TOWERS
 1020 15TH STREET
 DENVER, COLORADO 80202

OFFICE OF THE REGIONAL DIRECTOR

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DIVISION OF
 OIL, GAS & MINING

EXP 1007/015
 EXP 1015/040

MEMORANDUM

TO: Jackson W. Moffitt, Area Mining Supervisor
 FROM: DONALD A. CRANE *Donald A. Crane*
 SUBJECT: ARCO Coal Company's 1980 Exploratory Drilling Programs on Federal Coal Leases U-020641, U-33454, U-8319

We have reviewed ARCO Coal Company's plan for exploration of Federal Lease U-020641. The plan is incomplete and is not in compliance with applicable Federal regulations. Before we can concur with approval of the plan, the following information is required:

1. The name, address, and telephone number of the representative who will be present and responsible for conducting the exploration activities.
2. The methods of erosion and sediment control that will be used at each site.
3. Evidence that the applicant has permission from the Forest Service to conduct the exploration.
4. A revised seed mixture reducing the amount of introduced species in the seed mix. Justification of any introduced species must be provided showing that these will provide a diverse and effective vegetative cover of the same seasonal variety and are compatible with the wildlife in the area.

We have found the following seed mixture acceptable for revegetating the disturbed areas of the Skyline Mine, a mine located near the proposed exploration site.

| <u>Grasses</u> | <u>lbs/acre</u> |
|---------------------------------|-----------------|
| Kentucky blue grass | 1/2 |
| Mountain brome (native) | 2 |
| Blue wildrye | 2 |
| Blue bunch wheat grass (native) | 2 |
| | |
| <u>Forbs</u> | |
| Thickleaf peavine (native) | 4 |
| Sticky geranium (native) | 1 |
| Mountain lupine (native) | 2 |
| | |
| Total | 13 1/2 |

Since the area that will be disturbed is small and fairly flat, the use of forbs in the seed mixture is encouraged, but not required.

5. Evidence that the applicant has the rights to the water that will be used as a drilling fluid.
6. Method of removing, storing, and replacing topsoil in all disturbed areas.
7. Method of disposal of all drilling fluids.
8. Evidence that there are no cultural resources in the area that will be disturbed by exploration.
9. A detailed plan for sealing drill holes. Drill holes should be sealed from the bottom of the hole to the surface.
10. Evidence of Forest Service approval of the method of disposing of the material removed during clearing and grubbing.

A copy of this memorandum is enclosed for transmittal by your Office to the Applicant.

We will suspend processing the application until adequate information is provided. If you have any questions, please contact Veronica Rovero of my staff at (303) 837-3773.

Enclosure

cc: John Trippe, USGS, Denver
Gary Wicks, BLM, Salt Lake City
Ira Hatch, U.S. Forest Service, Price
James Smith, Utah Department of Natural Resources, Salt Lake City ✓