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UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY
Office of the District Mining Supervisor
Conservation Division
2040 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

IN REPLY REFER TO:

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DIVISION OF
OIL, GAS & MINING

July 14, 1981

Memorandum

To: Regional Director, OSM, Denver
From: District Mining Supervisor, USGS-CD,
Salt Lake City
Subject: ARCO Coal Company, Gordon Creek No. 2
Mine, Mining Plan--Revised Table of Contents
and Cross-Reference Index

File ACT/007/016
Copy to Gil
Jim

The subject material (20 pages) forwarded to this office by letter dated July 10, 1981, was received July 13, 1981, and has been reviewed. This revised table of contents follows the format and content of the Division of Oil, Gas, and Mining (DOG&M) general guidelines for mining permit applications and includes a cross-reference to the Utah Permanent Program Regulations. There is also an added list of applicable OSM Permanent Program Regulations with cross-referencing to the DOG&M permit application items.

All mining and reclamation plans that include Federal leases of coal lands must also comply with Federal regulations 30 CFR 211.10 (c). Our review comments of the Gordon Creek No.2 mine permit application (Mining and Reclamation Plan) were forwarded to you with a copy to ARCO by letter dated April 28, 1981, (copy attached). In this letter we requested that ARCO furnish a cross-reference index that follows the format of the 30 CFR 211.10 (c) Federal regulations. It is requested that you have ARCO develop the cross-reference index and submit as a supplement to its permit application.

Jackson W. Moffitt

Attachment

cc: Denver
Trippe w/attachment
Skinner w/attachment
DOG&M ✓
James Smith w/attachment
ARCO w/attachment
McKean (2 copies)

Office of the District Mining Supervisor
Conservation Division
2040 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

April 28, 1981

Memorandum

To: Regional Director, Office of Surface Mining, Denver

From: District Mining Supervisor

Subject: Arco Coal Company, Beaver Creek Coal Company, Gordon
Creek No. 2 Mine, Carbon County, Utah, Mining and
Reclamation Plan

The subject plan consisting of two volumes, which was forwarded with your letter dated March 25, 1981, was received in this office on March 27, 1981 (direct from your office). We have reviewed this permanent program submission for completeness and technical adequacy pursuant to the cooperative agreement between our offices and for conformance with the Federal regulations 30 CFR 211.10(c), dated May 17, 1976, as amended August 22, 1978. The following are our comments:

1. The plan has been assembled using the Utah State general guidelines (revised November 3, 1980) for organizational format and content for a 5-year permit application and mine plans. It does not contain information required by the USGS regulations (30 CFR 211.10(C)).
2. The following are included in Section 2.0 of the plan as coal mining permits:

Table 2-2, Page 2-6

USGS, Mine Plan Approval, U-8319, 01/24/78
USGS, Mine Plan Approval, U-33454, 02/16/77

Table 2-4, Page 2-17

USGS, 211 Mine Plan Approval, U-8319 and U-8319-1, 01/24/78

If the USGS mine plan approvals are to be made a part of the current plan submittal, they should be updated and a copy provided to other agencies involved in the permitting process.

3. The alternative to item (2) above requires the company to address the following items required by 30 CFR 211.10(c) in an addendum to the plan already submitted.

(a) 211.10(c)(1) . . . the names and addresses of surface owners of record, and owners of record of subsurface minerals, if other than the United States.

(b) 211.10(c)(2) . . . description of structural features of the coal and overlying strata including . . . cleats, joints, and fractures.

(c) 211.10(c)(4)(ii) . . . the plan . . . must provide for the mining of oil reserves in a period of not more than 30 years The plan must include planned sequence of mining by year for the first 5 years

(d) 211.10(c)(6)(vii) The method of operation and measures by which the operator plans to comply . . . 30 CFR 211.4 and 211.40 and any special terms and conditions of the lease or license. This can be by a narrative statement including only those items related to resource recovery.

(e) 211.10(c)(8)(viii) The anticipated starting . . . dates of each phase . . . and number of acres of land to be affected.

(f) 211.10(c)(9)(x) . . . existing practical knowledge

In section 2.0 of the submitted plan on page 3-15 under justification for not recovering it states "All coal that can economically be recovered will be recovered." The USGS must review and approve all plans or situations requiring the leaving of coal on Federal leases or areas that may affect the recovery of coal on Federal leases.

(g) 211.10(c)(9)(xi) The method of reclamation of coal mine operation. USGS involvement is required on Federal leases.

(h) 211.10(c)(6)(xii) Unless already submitted, furnish complete logs of all exploration drill holes (both surface and underground) in Federal leases, to the USGS.

(i) 211.10(c)(9)(xiv) Plans for protecting oil, gas, and water wells as well as oil, gas, and underground water resources, when encountered.

(j) 211.10(c)(9)(xv) Any justification for not recovering any coal deposits that may be substantially affected in terms of future recovery by the coal development operations proposed.

(k) 211.10(c)(7)(iii) . . . the location of any other mineral values encountered; . . . location and extent of open surface and underground mine workings, oil or gas wells, and water wells within a mile of the affected lands.

(1) 211.10(c)(7)(v) Approved ventilation and roof control plans have been included as part of the submittal. The MSHA approval letter for the ventilation plan is missing along with a mine map referred to on page 10 of the appendix. Many of the items listed for inclusion on the mine map are required by the USGS.

Interburden isopach map(s) (if available) should be submitted to assist in determining which coal should be recovered.

with either option (2) or (3) the company should provide a cross reference index which designates those sections and pages or maps which contain the 30 CFR 211.10(c) requirements.

Jackson W. Moffitt

cc: Denver
Beaver Creek Coal Company
McKean (2 copies)
Mine Plan File

JMcKean:ot
V3-B10, B11, & B12