



0003

*Route 10 High 5 Jesse
then file*

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District
P. O. Box 970
Moab, Utah 84532

3482
U-040151
(U-065c)

*Act/015/019
#2*

NOV 12 1992

CERTIFIED MAIL - RETURN RECEIPT REQUESTED
Certified No. P 696 295 586

RECEIVED

NOV 16 1992

Mr. Steven E. Kochevar
Mine Planning Administrator
PacifiCorp Electric Operations
One Utah Center
201 South Main, Suite 2100
Salt Lake City, Utah 84104-0021

DIVISION OF
OIL GAS & MINING

RE: Cottonwood Mine Resource Recovery and Protection Plan
(R2P2), 8th Left Longwall Panel

Dear Mr. Kochevar:

On September 3, 1992, the Bureau of Land Management (BLM) received PacifiCorp's request to modify the approved R2P2 for the Cottonwood Mine as it pertains to the 8th Left longwall panel. The affected reserves are located in the Hiawatha Seam on Federal coal lease U-040151.

According to the approved R2P2 for the Cottonwood Mine, the 8th Left longwall was scheduled to be extracted upon completion of the panel at crosscut 9. PacifiCorp's modification changes the approved R2P2 by extracting the 8th Left longwall at crosscut 25 (Enclosure 1). PacifiCorp reports several adverse geologic conditions to justify this proposed change. These include rock partings, a fluvial sandstone channel, coal scouring, and high ash levels.

During an inspection on September 16, 1992, BLM personnel inspected the 8th Left and 9th Left areas off 2nd North. The following conditions were observed:

From crosscuts 9 to 13 in 9th Left

The coal seam had 3 distinct zones. The upper zone of 1' to 2' consisted primarily of boney bands; the middle zone of 1' consisted of a black carbonaceous shale; and the lower zone consisted of 3.5' to 6' of coal.

From crosscuts 12 to 16 in 9th Left and crosscuts 24 to 25 in 8th Left

The coal seam was scoured to less than 3.5' in

thickness between crosscuts 12 to 16 in 9th Left. This scour was also observed in the 8th Left entries between crosscuts 24 to 25 where it scoured to less than 4.5' thickness.

From crosscuts 9 to 24 in 8th Left

The coal seam contained intermittent bands of carbonaceous shale and boney material.

In the evaluation of the geologic conditions, the BLM has concluded that the observed coal conditions are indicative of a high ash level. The coal scour (traversing the longwall panel at 30 degrees) is approximately 1300' in length and will cause PacifiCorp to mine 1' to 2' of rock to advance through the scour. These conditions will not only adversely affect the run-of-mine product beyond feed design specification for the Cottonwood preparation plant and the Hunter Power Plant for the remainder of the panel, but would also have a high potential to create maintenance problems for the shearer. As a result, we do concur with PacifiCorp that the remainder of the 8th Left longwall panel from crosscuts 25 to 9 cannot be mined using longwall methods.

The BLM agrees that the coal to the north of the scour between crosscuts 9 to 25 in 9th Left is unminable because of coal quality and the resulting abutment loads which will be generated when the 8th and 9th Left longwall panels are extracted (Enclosure 2). However, the coal outby crosscuts 9 to 23 to the south of the scour appears to be recoverable reserves and could be successfully mined by either mining rooms or room and pillar (Enclosure 2). A potential to recover 33,000 tons by first mining exists. Unless additional justification is provided, this coal reserve is still included in the approved R2P2 and must be mined accordingly.

The BLM has determined that a portion of the proposed modification does comply with the Mineral Leasing Act of 1920, as amended, the regulations at 43 CFR 3480, the lease terms and stipulations, and will achieve maximum economic recovery of the Federal coal. Therefore, the BLM approves PacifiCorp's requested modification to terminate the advance of the 8th Left longwall at crosscut 25; however, additional information is required before the BLM can make a determination that the whole 8th Left panel is not recoverable. This curtailment of the 8th Left panel will diminish the recoverable reserves on Federal coal lease U-040151 by approximately 243,337 tons. The approved mine map is enclosed.

If you have any questions, please contact Barry Grosely in the Price Coal Office at (801) 637-4584.

Sincerely


for Assistant District Manager
Mineral Resources

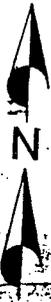
Enclosures (2)
1 Proposed Change
2 Approved Mine Map

cc: DM, Moab (U-065) (w/encl.)
SD, Utah (U-921) (w/encl.)
JDOGM, Salt Lake City, (w/encl.)

ENCLOSURE 2

Approved Mine Map

1992



1993

APPROVED
LOCATION TO EXTRACT
8TH LEFT LONGWALL

OBSERVED COAL SCOUR

POTENTIAL
RECOVERABLE RESERVES

X-CUT-25

1993

FEDERAL COAL LEASE U-040151

MINOR MODIFICATION TO
MINING PLAN APPROVED BY
BUREAU OF LAND MANAGEMENT

Recommended By:

B. Goody 10/7/92
Mining Engineer (Date)

Approved By:

Gary Johnson 11/12/92
Chief Price Coal Office (Date)

PACIFICORP FUEL RESOURCES DEPARTMENT 201 SO. MAIN ONE UTAH CENTER SUITE 2000 SALT LAKE CITY, UTAH 84140-0020		
Cottonwood Coal Mine R2P2 Modification-8th Left Longwall Panel Submitted to BLM 9-1-92		
DRAWN BY:		DRAWING #:
SCALE:	1"=500'	
DATE:	Sept. 1, 1992	SHEET 1 OF 1 REV. _____

ENCLOSURE 1

PROPOSED CHANGE

HIAWATHA SEAM RESERVE MARGIN

10TH LEFT

1992

9TH LEFT

X-CUT-25

PROPOSED LOCATION TO EXTRACT 8TH LEFT LONGWALL

1992

1993

ORIGINAL LOCATION TO EXTRACT 8TH LEFT LONGWALL

8TH LEFT

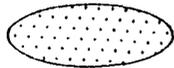
X-CUT-9

7TH LEFT

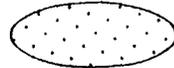
LEGEND:



SCOURED AREAS LESS THAN 5 FEET



UNDIFFERENTIATED ROCK PARTINGS



UNDIFFERENTIATED ROCK PARTINGS



SANDSTONE CHANNELS (POTENTIAL SCOUR AREAS)



CAD FILE NAME/DISK#:

PACIFICORP		
FUEL RESOURCES DEPARTMENT		
201 SO. MAIN ONE UTAH CENTER SUITE 2000 SALT LAKE CITY, UTAH 84140-0020		
Cottonwood Coal Mine		
R2P2 Modification-8th Left Longwall Panel		
Submitted to BLM 9-1-92		
DRAWN BY:	K. Larsen	KU1336A
SCALE:	1" = 500'	DRAWING #:
DATE:	Sept. 1, 1992	SHEET <u>1</u> OF <u>1</u> REV. <u> </u>