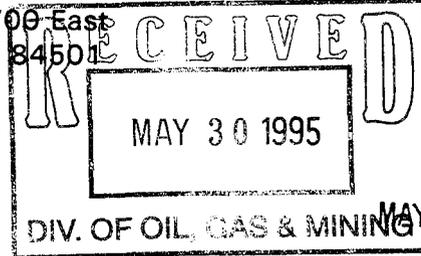




# United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District  
 Price River Resource Area  
 900 North 700 East  
 Price, Utah 84501



3482  
 SL-027304  
 (UT-066)

CERTIFIED MAIL - Return Receipt Request  
 Certification No. P 425 155 725

Mr. Laine Adair  
 Chief Engineer  
 Andalex Resources, Inc.  
 P. O. Box 902  
 Price, Utah 84501

Re: Resource Recovery and Protection Plan (R2P2) Minor Modification, Centennial and  
 Aberdeen Seams' Longwall Mining Plans

*Route to Adair, then  
 file ACT/003/019  
 #2*

Dear Mr. Adair:

On April 26, 1994, the Bureau of Land Management (BLM) received from Andalex Resources, a minor modification to the approved R2P2 for the mines in the Centennial and Aberdeen Seams. The subject minor modification revises previous room-and-pillar mining plans for a block of coal in the Centennial Seam (coal leases U-66060 and U-010581) and a block of coal in the Aberdeen seam (coal lease UTU-69600).

Andalex proposes to mine one longwall panel in the Centennial Seam of the Pinnacle Mine and has proposed two additional panels in the lower Aberdeen Mine. The one panel in the Centennial Seam has been blocked out by a continuous miner in an area where room-and-pillar panels were previously planned. The two proposed longwall panels in the Aberdeen Seam are planned in an area near the outcrop that were to be mined at the end of the mine life with room-and-pillar methods.

Andalex's justification for changing from room-and-pillar panels to longwall panels is the finding of favorable conditions for a longwall panel while developing the area with continuous miners. The change from room-and-pillar to longwall panels would increase the overall recovery of the block. These justifications have been discussed and conditions witnessed by BLM personnel over a number of years. In the future, please provide the justifications in writing, with modifications, so that we have record in the case file.

The mining efforts to delineate the minable coal areas of the Centennial Seam have been witnessed by BLM inspectors over a period of two years. The location of the rock split that cut off development of the 4th West entries from the west was witnessed a number of times. The mining of 4th West from Main North (east to west) has also been witnessed a number of times. Low coal and an increase in rock bands in the coal were noted in the north-most entry of 4th West. The same rock split was noted in the west development of 4th West on

a recent inspection which completed the minable delineation of this panel. We agree that this one panel is feasible to mine and is blocked out along the edge of the rock split and thinning coal. Though the BLM had previously approved a change from longwall panels in the Centennial Seam to room-and-pillar panel, we agree that this latest change back to a longwall panel is due to a good delineation effort on the part of the continuous miner to explore the edge of the unminable coal. With the observed conditions, the one longwall panel (4th West) is the only minable block left in the north Centennial Seam.

The two extra longwall panels proposed to be mined west off Main North in the Aberdeen Seam are in an area that has thinning coal to the west. Previous approved mining at the time of acquisition of lease area UTU-69600 called for room-and-pillar panels at the end of the mine life. The two longwall panels will fit well in this area and the BLM agrees that overall recovery of the block will increase with longwall mining.

The BLM has determined that the proposed modification complies with the Mineral Leasing Act of 1920, as amended, the regulations at 43 CFR 3480, the lease terms and conditions, and will achieve maximum economic recovery of the Federal coal. Andalex's revised plan for a longwall panel in the Centennial Seam and two extra longwall panels in the Aberdeen Seam is approved on condition. The two longwall panels in the Aberdeen Seam will be mined to the west limits of the minable coal as verified by BLM. A copy of the approved mine maps are enclosed.

If you have any questions, please contact Stephen Falk or George Tetreault at (801) 637-4584.

Sincerely,

**/S/ DEAN NYFFELER**

Area Manager

**Acting**

Enclosure

Approved Mine Maps (2)

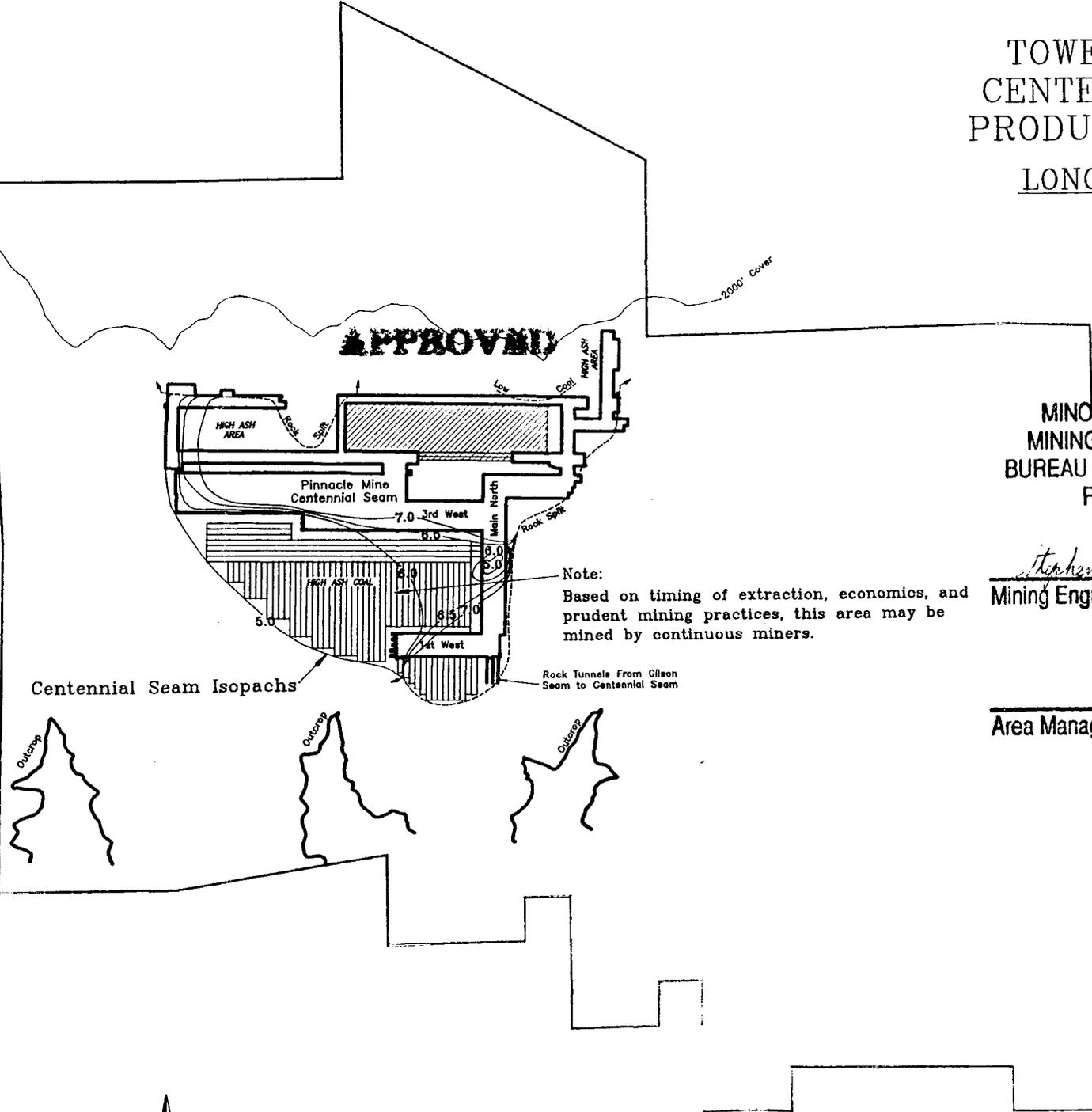
cc: UT-065, Moab District (w/encl.)  
UT-921, Utah State Office (w/encl.)  
Utah Division of Oil Gas and Mining (w/encl.)  
355 West North Temple Street  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

# TOWER DIVISION CENTENNIAL SEAM PRODUCTION AREAS LONGWALL PLAN

2000' Cover

2000' Cover

**APPROVED**



MINOR MODIFICATION TO  
MINING PLAN APPROVED  
BUREAU OF LAND MANAGEMENT  
Recommended By:

*Stephen W Falk* 5/22/94  
Mining Engineering (Date)

Approved By:

Area Manager (Date)

Note:  
Based on timing of extraction, economics, and prudent mining practices, this area may be mined by continuous miners.

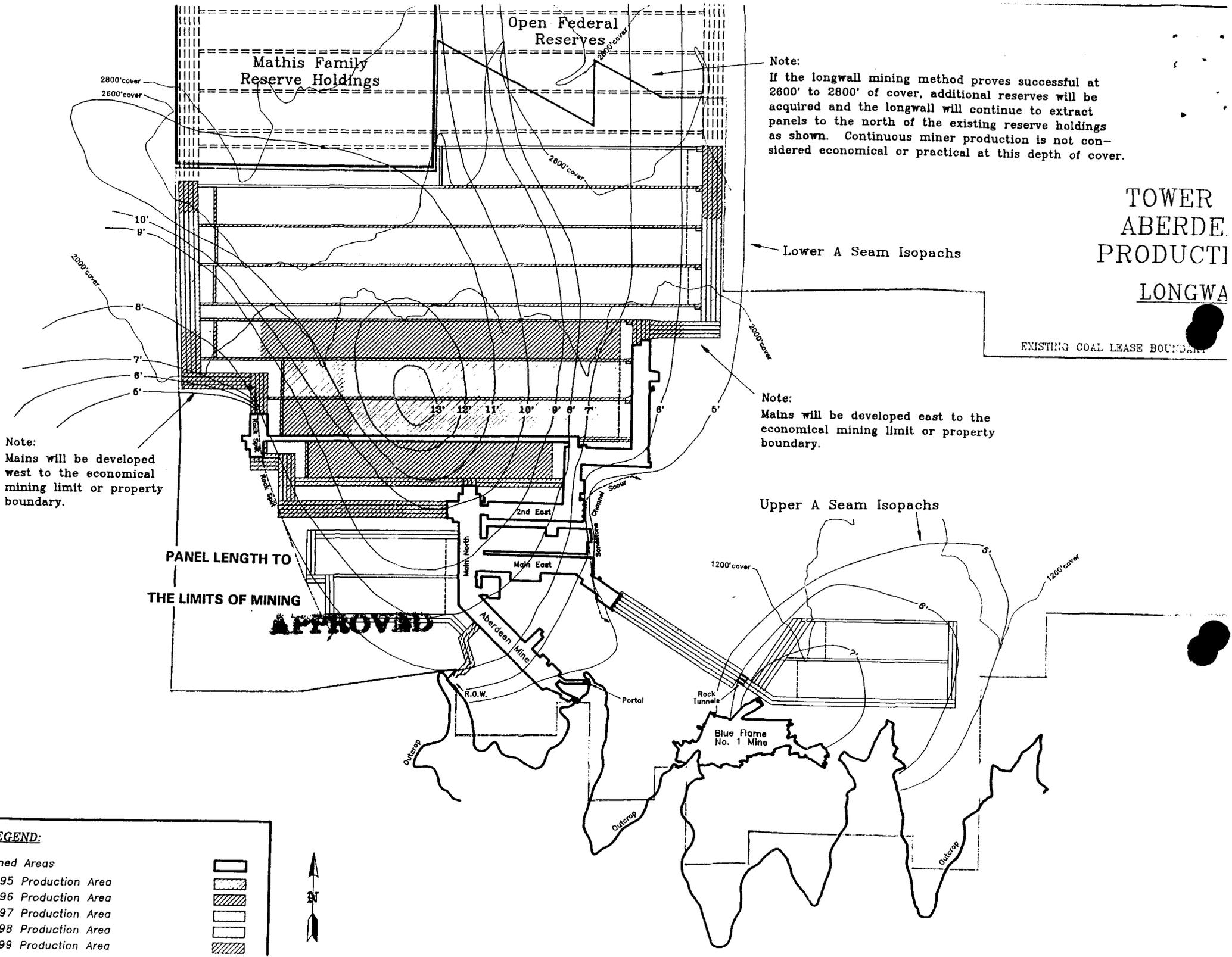
Centennial Seam Isopachs

Rock Tunnels From Gileon Seam to Centennial Seam

**LEGEND:**

Mined Areas  
1995 Production Area





Note:  
 If the longwall mining method proves successful at 2800' to 2800' of cover, additional reserves will be acquired and the longwall will continue to extract panels to the north of the existing reserve holdings as shown. Continuous miner production is not considered economical or practical at this depth of cover.

TOWER  
 ABERDE  
 PRODUCTI  
 LONGWA

EXISTING COAL LEASE BOUNDARY

Lower A Seam Isopachs

Note:  
 Mains will be developed east to the economical mining limit or property boundary.

Upper A Seam Isopachs

Note:  
 Mains will be developed west to the economical mining limit or property boundary.

PANEL LENGTH TO  
 THE LIMITS OF MINING

**APPROVED**

**LEGEND:**

- ined Areas
- 395 Production Area
- 396 Production Area
- 397 Production Area
- 398 Production Area
- 399 Production Area

