



0022

Original - 007/019 #2  
cc BWSmith  
w. Western

## United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

3482

U-010581  
SL-027304  
(U-065c)

MAY 20 1992

CERTIFIED MAIL - RETURN RECEIPT REQUEST  
Certification No. P 757 770 005**RECEIVED**

MAY 22 1992

Mr. Laine Adair  
Chief Engineer  
Andalex Resources, Inc.  
P. O. Box 902  
Price, Utah 84501**DIVISION OF  
OIL GAS & MINING**Re: Resource Recovery and Protection Plan (R2P2) Modification,  
Aberdeen Mine

Dear Mr. Adair:

On December 23, 1992, the Bureau of Land Management (BLM) received a request from Andalex to modify the approved R2P2 for the Aberdeen Mine. Because of additional information and a meeting held at the Price Coal Office on March 10, 1992, Andalex was granted verbal approval for the mine plan change. The mine plan change involves coal reserves in the Lower A Seam and Upper A Seam on Federal coal leases U-010581 and SL-027304. This letter documents that authorization and requires Andalex to update the R2P2.

Andalex originally planned to probe the eastern edge of the Lower A Seam with the Main East section in an attempt to develop access into the Upper A Seam. If this access to the Upper A Seam failed, Andalex would develop the Alternative Main East section in another attempt to gain access to the Upper A Seam. After gaining access to the Upper A Seam, panels located on Federal coal lease SL-027304 and Zion's fee were scheduled for mining (Enclosure 2). Instead, advancement of both these sections was discontinued and Andalex requested moving mining to the First East section (Enclosure 1).

High sulfur in the Lower A Seam is the justification provided for the mine plan change. Andalex claims that it is not possible to dilute the sulfur content of this coal to an acceptable level by combining it with the coal produced from the other three seams at this time. Unacceptable levels of sulfur were reported during the development of the Main East section and during initial development of the Alternative Main East section. To further support the high sulfur content, Andalex provided maps, drill log information, and coal lab analysis.

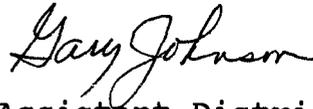
Andalex submitted information which indicates a higher sulfur content for the Lower A Seam in the area of the farthest extent

of the Main East and the initial development of the Alternative Main East. But this information does not allow for independent verification of the sulfur content of the coal and Andalex has not provided any specific information on the sulfur limitations in their coal contracts. The only mining constraint in these sections that we could actually verify was thinning of the coal seam in an eastward direction toward the faces. During a mine inspection conducted by BLM mining engineer Barry Grosely on April 14, 1992, it was witnessed that the coal decreased in thickness from about 6 feet to 4 feet toward the faces of both sections. Drill log information confirmed that the thinning trend continued toward the east.

The BLM has accepted moving mining to the 1st East section off the Main North primarily because of a lower limit of minable coal encountered. However, there are still two deficiencies in the R2P2. First, Andalex must either provide justification for eliminating the unmined recoverable coal reserves in the northwest corner of Federal coal lease SL-027304 just east of Zion's fee, or update the planned sequence of mining to include this block. Second, Andalex must select another alternative for accessing the Upper A Seam and update the planned sequence of mining to include this coal seam. Four proposed alternatives were submitted by Andalex for accessing the Upper A Seam, but we require the proposed method of mining be tied into the overall planned sequence of mining. In the interest of maximum economic recovery, we encourage advanced planning and evaluation of alternative mining methods and appreciate your submission of these alternatives.

We will allow Andalex 30 days to rectify the deficiencies identified in the R2P2. If additional time is necessary or you have any questions, please contact Gary Johnson, Chief, Price Coal Office at (801) 637-4584.

Sincerely yours,



for Assistant District Manager  
Mineral Resources

Enclosures (2)  
1-Approved Mine Map  
2-Original Mine Map

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

TOWER DIVISION  
PRODUCTION AREAS  
(ABERDEEN SEAM)

**ENCLOSURE 1**

MINOR MODIFICATION TO  
MINING PLAN APPROVED BY  
BUREAU OF LAND MANAGEMENT

**APPROVED MINE MAP**

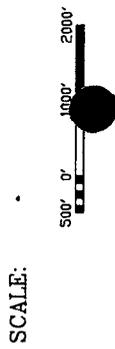
Recommended By:

*B. G. Grouley* 5/20/92  
Mining Engineer (Date)

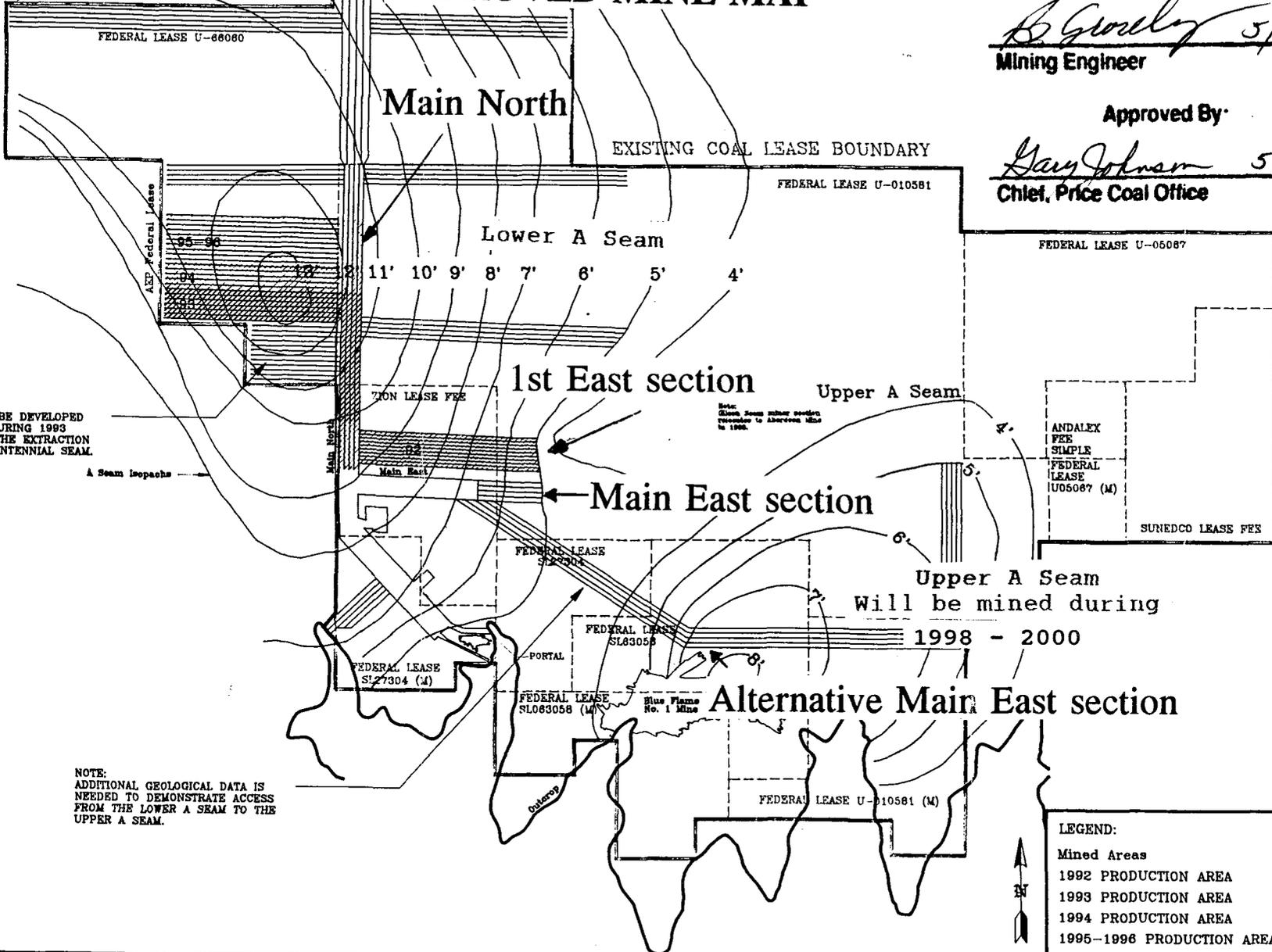
Approved By:

*Gary Johnson* 5-20-92  
Chief, Price Coal Office (Date)

**ANDALEX**  
RESOURCES, INC.  
Tower Division  
Aberdeen Mine  
P.O. Box 802  
Pitkin, Utah 84501



Aberdeen Mine



NOTE:  
THIS AREA MAY BE DEVELOPED  
AND PILLARED DURING 1993  
DEPENDING ON THE EXTRACTION  
RATE OF THE CENTENNIAL SEAM.

NOTE:  
ADDITIONAL GEOLOGICAL DATA IS  
NEEDED TO DEMONSTRATE ACCESS  
FROM THE LOWER A SEAM TO THE  
UPPER A SEAM.

LEGEND:

Mined Areas	
1992 PRODUCTION AREA	
1993 PRODUCTION AREA	
1994 PRODUCTION AREA	
1995-1996 PRODUCTION AREA	

# ENCLOSURE 2 ORIGINAL MINE MAP

ANDALEX RESOURCES, INC.  
TOWER DIVISION  
ABERDEEN MINE  
A AND UPPER A SEAMS  
APPROVED ALTERNATIVE MINE PLAN

ENCLOSURE No. 8

FEDERAL LEASE  
U-010581

EXPLORATORY DRILL HOLES

MAIN EAST  
section

ZION'S FEE

1993

1992

FEDERAL LEASE  
SL-027304

SECTION NECK OFF

Upper A Seam  
will be mined during  
1998 - 2000

ALTERNATIVE MAIN EAST section

MINOR MODIFICATION TO  
MINING PLAN APPROVED BY  
BUREAU OF LAND MANAGEMENT

Recommended By:

*Alc. Ellis*  
Mining Engineer

12/31/91  
(Date)

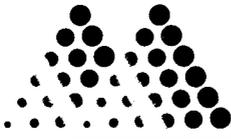
Approved By:

*Gary Johnson*  
Chief, P/ice Coal Office

12/3/91  
(Date)

0:  
ole  
p  
Isopachs  
Boundary

ENCLOSURE 8



**Mountain States Analytical**

*The Quality Solution*

CLIENT: Oil, Gas, & Mining  
3 Triad Center  
Salt Lake City, UT 84180-1203  
Phone: 801-538-5340 801-359-3940 (FAX)  
ATTN: Ms. Susan White  
Project: Centennial

Date Samples Rec'd: 04/23/92  
MSAI Group No.: 5792  
Sample Matrix: Aqueous  
Report Date: 04/30/92  
P.O. Number: 583-812

LAB SAMPLE NO. DATE	SAMP SAMPLE TIME DESCRIPTION	ANALYSES PERFORMED	RESULT
26155	04/21/92 1400 Centennial	Iron, FAA w/ww Metals Digestion w/ww Metals Prep. FAA OIL & GREASE, w/ww Solids, Dissolved TDS Solids, Suspended (TSS)	0.08 mg/l Complete --- Complete --- 10 mg/l 1,540 mg/l <4 mg/l

~~ACT/057/019~~

ACT/057/019

#5

Respectfully submitted,

*Douglas W. Later*

Douglas W. Later, Ph.D.  
Laboratory Director

*Glenn A. Sorensen*

Glenn A. Sorensen, B.S.  
Manager, Technical Operations

RECEIVED

MAY 04 1992

DIVISION OF  
OIL GAS & MINING

