

0023

Ken Payne  
Vice President & General Manager



**Southern Utah  
Fuel Company**

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Subsidiary of  
Coastal States  
Energy Company

June 8, 1984

Mr. Gene Nodine  
District Manager  
Bureau of Land Management  
Moab District Office  
P.O. Box 970  
Moab, Utah 84532

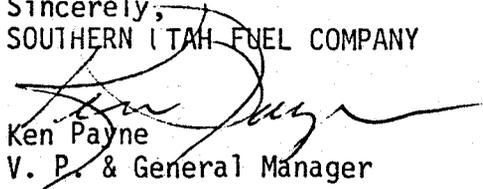
Dear Mr. Nodine:

Southern Utah Fuel Company is concerned about the efficient recovery of our federal coal leases, as is your office. The triangular shaped block of federal lease U-062453 located east of Quitchupah Creek is presently planned to be mined using a combination of first and second mining techniques as shown on the partial mine print Plan 1. Because of the escarpment location and the relatively small reserve block, considerable reserves are lost in barriers and large pillar sizes in some first mined areas. Another more efficient method is shown in Plan 2. This plan disregards the special lease stipulation that prohibits subsidence of the escarpment. Using Plan 2, double pass first mining is limited to low cover areas where high recovery is possible due to smaller required pillar sizes; while full pillar recovery is utilized in deeper cover areas to increase recovery. This matching of efficient methods to cover depth results in a potential to recover 221,000 more tons of coal using Plan 2 than in the approved Plan 1.

Southern Utah Fuel Company has mined beyond the escarpment in two areas using full extraction pillaring techniques. The first area is in East Spring Canyon on lease SL-062583 in which the 1L1W panel was extracted in 1976-1977. The second area is in Quitchupah Canyon on private fee ground in which the 1L4E panel was extracted in 1983-1984. Both areas have been subsided without significant damage to the escarpment or the canyon slopes.

We respectfully request modification of Section 31 Special Stipulations item number 14 in coal lease serial number U-062453 to allow subsidence of the escarpment east of Quitchupah Creek. This modification will allow for the utilization of higher recovery mining techniques with a resulting increase of 221,000 tons of recoverable coal.

Sincerely,  
SOUTHERN UTAH FUEL COMPANY

  
Ken Payne  
V. P. & General Manager

Enclosures

# DEPARTMENTAL CORRESPONDENCE

Date June 1, 1984

Subject RESERVE COMPARISON BETWEEN FIRST MINING - DOUBLE PASS & SECOND MINING IN 4 EAST

To File Dep't.

From Dall Dimick *DD* Dep't Surveyor

Attached to this memo are two maps which show possible mining schematics for the remaining portion of 4 East. Plan 1 is the current plan for mining all areas outside the canyon rim by first mining methods. Plan 2 is a layout for mining the same area by second mining methods,

Plan 1 yields approximately 2,215,000 tons of recoverable coal, and Plan 2 yields approximately 2,436,000 tons. An increase of 221,000 tons of recoverable coal could be realized by second mining the remaining 4 East area.

The assumptions used for making the calculations are:

	<u>First Mining</u>	<u>Second Mining</u>
Height	14 Ft.	11 Ft.
Recovery Rate	45% - 64%*	75%

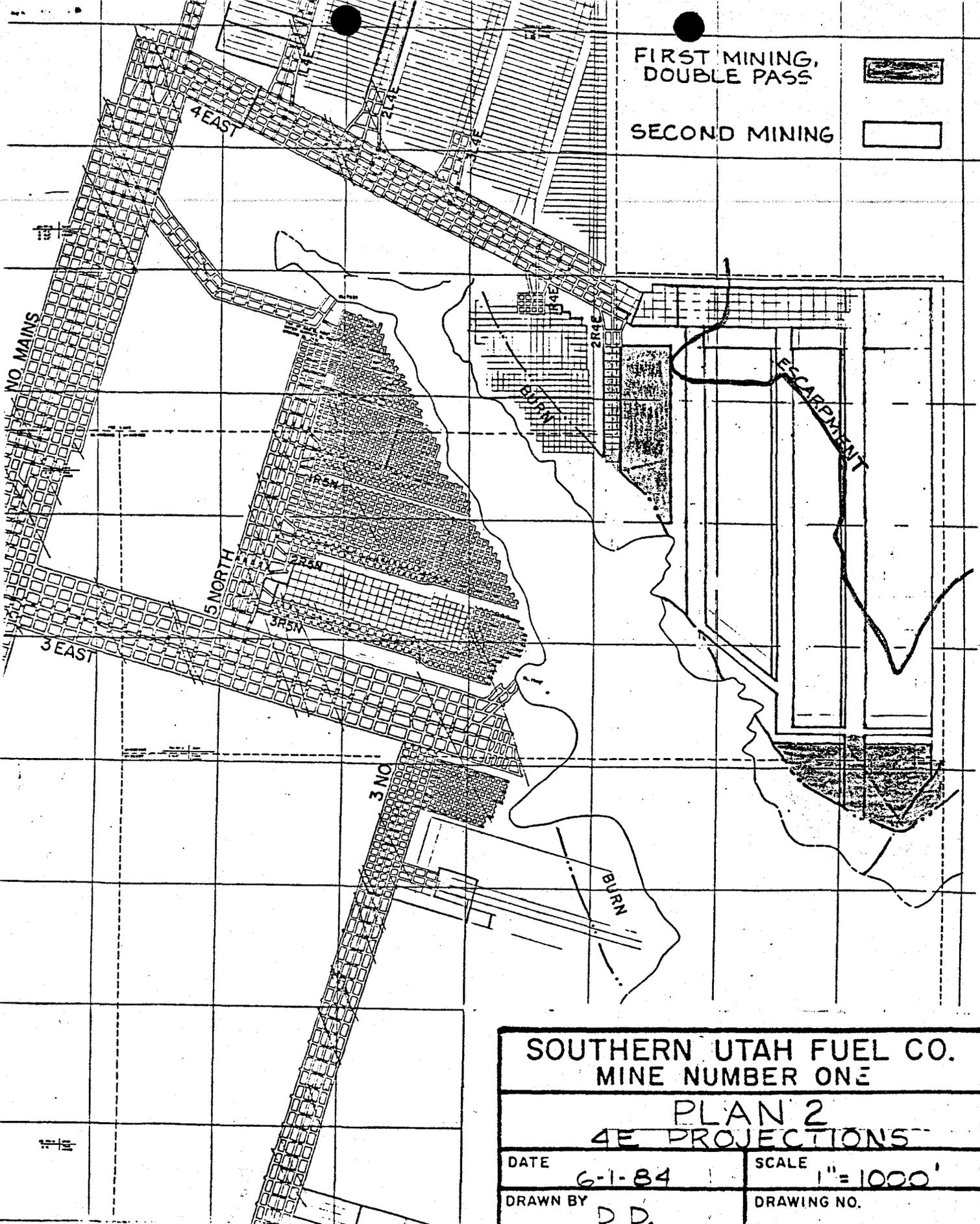
\*Depending on overburden.

DD:cfc

Attachments

xc: Kerry Frame  
Ken Payne  
Wess Sorensen

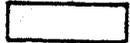




FIRST MINING,  
DOUBLE PASS



SECOND MINING



SOUTHERN UTAH FUEL CO.  
MINE NUMBER ONE

PLAN 2  
4E PROJECTIONS

DATE

6-1-84

SCALE

1" = 1000'

DRAWN BY

D. D.

DRAWING NO.