0016

December 8, 1983

Memo to Coal File:

RE: Large Tension Fracture
Southern Utah Fuel Company
Convulsion Canyon Mine
ACT/041/002, Folders 3 & 10
Sevier County, Utah

On December 6, 1983, a copy of a report of a telephone conversation arrived from OSM (Lou Hamm) concerning subsidence cracks on the west side of Quitchupah Creek. A call to Steve Robison from the Manti-LaSal National Forest confirmed and further delineated these features.

The tension fracture consists of three large enechelon cracks which trend north-northwest 1/4 mile west of the Quitchupah Creek breakout. Mr. Robison estimated an average 200 feet in legnth for each fracture, with an average of two feet vertical and horizontal displacement. The largest of these fractures is the central fracture which displayed approximately six feet of vertical displacement and 15 feet crevasse and two feet of horizontal displacement. He also estimated that the northern tip of this feature was 100 feet away from shore of Quitchupah Creek and that the crack was growing toward the north on the basis of fresh surfaces.

An estimation of the location of this feature was drawn on the attached map. Robison belived that this feature was indeed related to mining and not to natural forces, i.e., slope failure.

Kerry Frame, the chief engineer at Sufco, was notifed of this feature and of the concern that the Division had concerning impact on Quitchupah Creek.

DEBORAH DAVIS
ENGINEERING GEOLOGIST

DD/btb

File Activities
File #70

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF SURFACE MINING

CONFIRMATION/REPORT OF TELEPHONE CONVERSATION

TO		FROM	
Name	Steve Robison	Name	Louis Hamm
Office	Manti La Sal National Forest	Office	OSM
Location	Price Utah	Location	Denver
Telephone Number	(801) 384-2372	Telephone Number	

Purpose of Call: Convulsion Canyon Mine

Mr. Robison advised me of subsidence cracks in the North Fork of Quitchupah Creek which he discovered on October 20, 1983. The cracks are located on the west side of the creek just south of the fee land areas.

The subsidence areas apparently correlate with a recent roof-fall in that part of the mine

6' diameter sample hole 15' deep several hundred

Explanatory Remarks:

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DEC 7 1983
DIVISION OF
OIL, GAS & MINING

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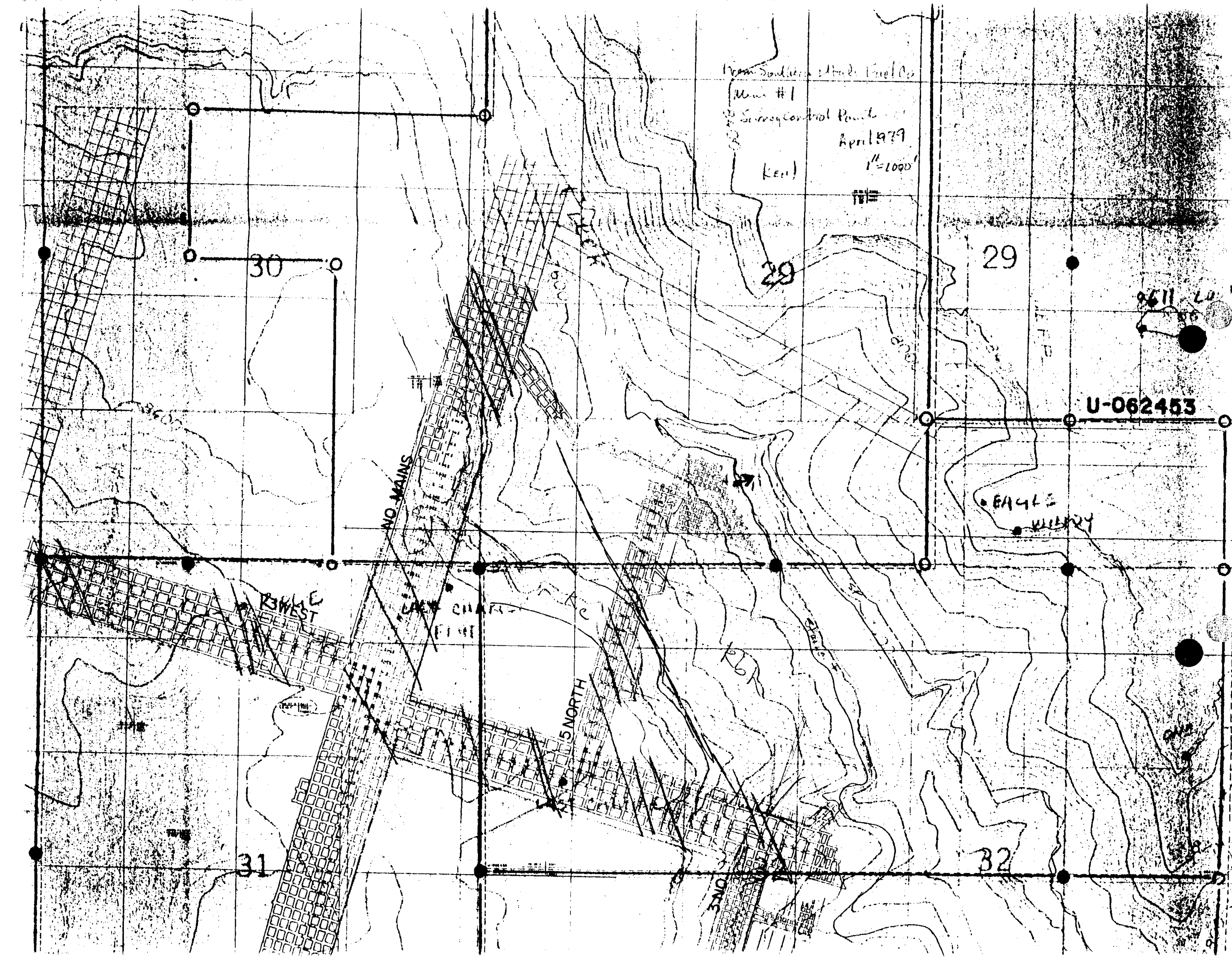

April 1979
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