



ENGINEER'S CERTIFICATE

I, CRAIG E. JOHANSEN, A LICENSED CIVIL ENGINEER UNDER THE LAWS OF THE STATE OF UTAH CERTIFY THAT I MADE, OR CAUSED TO BE MADE, THE FIELD SURVEY OF THE CONSOLIDATION COAL CO. EMERY MINE, AND ITS VENTILATION SYSTEM AND PREPARED THIS PLAT FROM THE FIELD NOTES OF THIS SURVEY AND TO THE BEST OF MY KNOWLEDGE IT IS CORRECT.

Craig E. Johansen
 CRAIG E. JOHANSEN
 NO. UTAH 3483

SURVEYOR'S CERTIFICATE

I CERTIFY THAT UNDER MY DIRECT SUPERVISION ON FEB. 3, 1976, I HAVE CAUSED TO BE MADE A FIELD SURVEY OF ALL THAT PART OF THE CONSOLIDATION COAL CO. EMERY MINE THAT HAS BEEN MINED SINCE THE JUNE 14, 1975 POSTING, AND HAVE FOUND THAT ALL SURVEY STATIONS, AND VENTILATION SYSTEMS ARE SHOWN CORRECTLY ON THIS PLAT.

Robert A. Morrison
 ROBERT A. MORRISON, REGISTERED
 LAND SURVEYOR, UTAH, CERT. NO.
 4282



I HEREBY CERTIFY THIS MAP EXTENDED FROM FEB. 3, 1876 IS ACCURATE TO THE BEST OF MY KNOWLEDGE.

Rhett M. Gregor
 RHETT M. GREGOR, P.E.
 UTAH NO. 4353
 DATE: 8/17/76



I CERTIFY THAT THIS MAP AS EXTENDED FROM FEB. 10, 1979 IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

John M. Badovina
 John M. Badovina, P.E.
 Utah No. 5071
 8/16/77
 2/15/80 J.M.B.
 8/18/80
 2/19/81 J.M.B.
 8/19/81 J.M.B.

I certify that this map as extended from Aug. 19, 1981 is true and accurate to the best of my knowledge.

Don L. Nash
 Don L. Nash, P.E.
 Utah No. 4290
 Date: Feb. 18, 1982



I certify that this map as extended from Feb. 18, 1982 is true and accurate to the best of my knowledge.

R.D. Hark
 R.D. Hark
 8/20/82

CONSOLIDATION COAL COMPANY
 EMERY MINE
 EMERY COUNTY, UTAH
 SECTIONS 28, 29, 32, & 33 T22S R6E SLB, & M.
 1"=300'

U.S.G.S. NO. 42-00079-0
 PERMIT NO. 0-5 D15

LEGEND

- | | | | |
|----------------------|--|--|--|
| RETURN AIR | | PRESENT RETURN ESCAPEWAY | |
| INTAKE AIR | | PRESENT INTAKE ESCAPEWAY | |
| NEUTRAL AIR | | BELTLINE | |
| STOPPING | | EMERGENCY MATERIALS STA. (E) | |
| STOPPING WITH MANDOR | | ROOF FALL MATERIALLY AFFECTING VENTILATION (X) | |
| OVERCAST | | | |
| SEAL | | | |
| SPLIT PILLAR | | | |

SEAM INFORMATION

COMBINED 1J SEAM OF THE FERRON SANDSTONE
 AVERAGE SEAM THICKNESS - 20'
 AVERAGE ENTRY HEIGHT - 7-8'

RECEIVED
 AUG 19 1983

DIVISION OF
 OIL, GAS & MINING

2,068,000

2,070,000