T 12 S
T 13 S
R 11 E
R 12 E
35
36
31
32
1
2
3
5
6
7
8
10
11
12
13
14
15
17
18
19
23
SOLDIER CANYON ROAD
U-50722 & UTU-69635
FEE - ALKALI CREEK
UTU-69635
ML-44365
ML-42649
GAS PIPELINE
FEE - COAL CREEK
UTU-69635
U-50722
SUBSIDENCE BUFFER ZONE
POWERLINE
REI COMPRESSOR W/ BORE HOLE
SL-051279-063188
ML-42648
NO SECONDARY MINING ZONE
REI EXHAUSTER/BLOWER W/ 2 BORE HOLES
POWERLINE
SUB STATION #2
REI COMPRESSOR W/ BORE HOLE
U-50722
SL-051279-063188
BLM Auth to Mine
UTU-69635
ALKALI CREEK
SOLDIER CREEK
U.E.C. #2 PROPOSED
7400
7600
8000
8200
6800
7200
7800
6600
7000
8400
-1
-53
-54
-120
-91
-2
-88-3
-88-2
-88-4
-88-1
-1001
-49
-36
-3055
-3046
-92-2
-3044
-106
-87-47
-87-1
-103
-87-0
-92-1
-113
-43
-50
-112
-14
-110
-111
-109
-15
-102
-103
-45
-44
-24

LEGEND:

- SOLDIER CANYON MINE FIVE-YEAR TERM PERMIT AREA
- ML-42648 LEASELINE & LEASENUMBER
- PROPOSED SECONDARY MINING ROCK CANYON SEAM
- PROPOSED SECONDARY MINING GILSON SEAM
- ▲-44 SUBSIDENCE MONITORING POINT
- ■-1 SURVEY CONTROL POINT
- EXISTING AREAS OF FULL PILLAR EXTRACTION

N

The no secondary mining zone was extended from the stream channels and the Questar gas pipeline utilizing a 35-degree angle of draw. This zone was stopped where the overburden thickness between the stream channel and the Sunnyside seam reaches 1,350 feet. According to J.F.T. Agapito & Associates, Inc., at this thickness of overburden, the subsidence induced tensile strains will not reach levels which may cause damage to streams.

REGISTERED PROFESSIONAL ENGINEER
No. 162604
BARRY J. BARNUM
STATE OF UTAH
5-30-96

SUPERSEDED
EFFECTIVE:
OCT 10 1996
UTAH DIVISION OIL, GAS AND MINING

REVISION	
DATE:	BY:

Soldier Creek Coal Company
A SUBSIDIARY OF THE COASTAL CORPORATION

INCORPORATED
EFFECTIVE:
OCT 10 1996
UTAH DIVISION OIL, GAS AND MINING

MAXIMUM SIBSIDENCE MAP

RECEIVED
OCT 24 1996
DIVISION OF OIL, GAS & MINING

Soldier Canyon Mine

DRAWN BY: DDH	DATE: MAY 27, 1996	SCALE: 1" = 500'
APPROVED BY: —	FILE NAME: I:\PERMIT\D415.DWG	DRAWING OR MAP NUMBER: EXHIBIT 5.25-1