MATCH TO MAP 521.121g2

MATCH TO MAP 521.121g2

EXTENT OF SUBSIDENCE BASED ON 26° ANGLE OF DRAW

325

HAZARD EVALUATION AREAS A THROUGH E

A

B

C

D

E

Mine in 4/97

Mine in 3/97

Mine in 2/97

Mine in 12/96

Mine in 1/97

MAC

TREE COVERED AREAS SHOWN BELOW SANDSTONE OUTCROPS ONLY

ARCO HOLE 9708.80

FCL SL-031286

EXTENT OF SUBSIDENCE BASED ON 26° ANGLE OF DRAW

LONGWALL MINING BLOCK

P159

P158

P157

P156

P155

P141

P142

P143

P130

P131

P132

P133

P120

P121

P122

P99

P100

G56

G55

G54

G53

G63

G62

G61

G60

G59

G58

G57

G52

G51

G50

G1

G2

G3

G4

FCL UTU-64263

FCL UI3097

MMU# 027-0

FCL UTU-64263

FCL MODIFICATION TO UTU-64263

3RD WEST MAINS

MATCH TO MAP 521.121f

N

PROFESSIONAL SURVEYORS CERTIFICATE

I, BEING A REGISTERED PROFESSIONAL SURVEYOR, DO HEREBY CERTIFY THAT THE ABOVE HAS BEEN REVIEWED BY ME AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND INFORMATION.

DATE: 8/6/93

BENJAMIN A. GRIMES R.L.S. NO. 6908

RECEIVED MAY 18 DIV. OF OIL, GAS

SURFACE LEGEND:

- SURFACE CONTOUR
- SURFACE ELEVATION
- PRIMARY ROAD
- SECONDARY ROAD
- SECTION CORNER (LOCATED)
- SECTION CORNER
- SURFACE FACILITIES
- FENCE
- POWERLINE
- DRILL HOLE
- VERTICAL CONTROL
- HORIZONTAL CONTROL
- TRAVERSE STATION
- FOREST SERVICE TRAIL
- STREAM
- SPRING
- POND, OR LAKE
- SECTION LINE
- 1/4 SECTION LINE
- 1/16 SECTION LINE
- SANDSTONE OUTCROP
- PERMIT BOUNDARY
- COAL LEASE LINES
- SUBSIDENCE MONITORING POINTS
- FUTURE SUBSIDENCE MONITORING POINTS

UNDERGROUND LEGEND:

- INTAKE AIR
- PRIMARY ESCAPEWAY
- RETURN AIR
- SECONDARY ESCAPEWAY
- BLEEDER
- STOPPINGS
- MANDOOR
- EQUIP. DOOR
- AIR LOCK
- REGULATOR
- SEAL & PROPOSED SEAL
- OVERCAST
- STEEL SETS
- ROCK TUNNEL
- ROCK INTRUSION (Dike, Spar, etc.)
- ROOF FALL
- ROOF FALL (Cleaned Up)
- BAD TOP
- FAULT
- FAULT (Inferred)
- OUTCROP (Actual)
- OUTCROP (Inferred)
- FIRST AID STATION
- FIRE STATION
- PILLARED AREA
- BURNED COAL
- SURVEY STATION
- PROGRESS DATE
- SHAFT
- BELTLINE
- PROPOSED VENTILATION STRUCTURES
- GOB
- POOLED WATER
- CHECK CURTAIN
- CO MONITOR

COLOR CODE

MAP UPDATES

DATE	NAME	DATE	NAME
JAN. 1, 1984	ETS		
Apr. 1, 1993	KP		
May 1, 1993	KP		
June 1, 1993	KP		
Sept 1993	BA		
Nov 1993	BA		
Feb. 1994	BA		
MAY 1995	JP		

THIS MAP HAS BEEN UPDATED UNDER MY SUPERVISION.

CYPRUS

PLATEAU MINING COMPANY

P.O. DRAW. PMC · PRICE, UTAH

Phone: 801-637-2875 ··· Zip: 84501

TITLE: SUBSIDENCE MONITORING PLAN

DRAWN BY: SAND DESIGN & GRAPHICS DATE: MAY, 1983

CHECKED BY: DATE: 2-28-92

APPROVED:

APPROVED:

SCALE: 1"=400'

DRAWING NO. MAP 521.121g1

ETS. 5/18/93