LEGEND

- MONITOR WELLS — DH-1
- MINE WORKINGS
- PROJECTED MINING
- PILLARED AREA
- COAL OUTCROP
- BEAR CANYON PERMIT
- FEDERAL LEASE BOUNDARIES
- FOREST SERVICE BOUNDARY
- SUBSIDENCE IMPACT CONTOURS — 4.5
- COAL BURNOUT
- ROOF, FLOOR, MIDSEAM SAMPLE LOCATIONS — RFM-1

See Section R645-301-522 & 523 for discussion of mining methods and MER

Note: Subsidence impact countours only show anticipated vertical displacement from mining the seam shown on this map. Plate 5-3 shows the cumulative subsidence impacts.

C.O.P. DEVELOPMENT FEDERAL LEASE U-61048

C.O.P. DEVELOPMENT FEDERAL LEASE U-46435

C.O.P. DEVELOPMENT FEDERAL LEASE U-61049

C.O.P. DEVELOPMENT FEDERAL LEASE U-024316

C.O.P.D. FEDERAL LEASE U-024318

C.O.P.D FEDERAL LEASE U-38727

C.O.P. DEVELOPMENT FEDERAL LEASE U-020668

C.O.P.D. FEDERAL LEASE U-61049

LOW COAL AREA

Blind Canyon Fault — Down / Up

Bear Canyon Fault 220' — Down / Up

Double Fault 'S' — Down / Up

Troll Canyon Fault 135' — Down / Up

Fault 60' — Down / Up

Fault 67' — Up / Down

Fault 522' — Up / Down

Pleasent Valley Fault — Up / Down

Fault 8' — Down / Up

Outside 2 Rows Left for Bleeder Entries Protection

FOREST SERVICE BOUNDARY

Room and pillar panel dates show start of development to end of retreat.

Longwall Panel 4 3800' x 640' 09/08 - 11/08

Longwall Panel 3 6190' x 800' 05/08 - 09/08

Longwall Panel 2 7170' x 800' 09/07 - 05/08

Longwall Panel 1 7170' x 800' 09/07 - 10/07

Development 11/08 - 5/09

Development 5/08 - 9/08

Development 12/08 - 5/09

Development 4/07 - 9/07

Longwall Panel 10 3500' x 790' 01/11 - 05/11

Pillar Panel 7100' x 790' 01/10 - 12/10

Pillar Panel 8000

1st Mains Panels

2nd Mains Panels

Barrier Pillar

Bleeder Entries

Mains

Gate Roads

Barrier Pillar

Pillar Panel

Longwall Panel

Development Entries