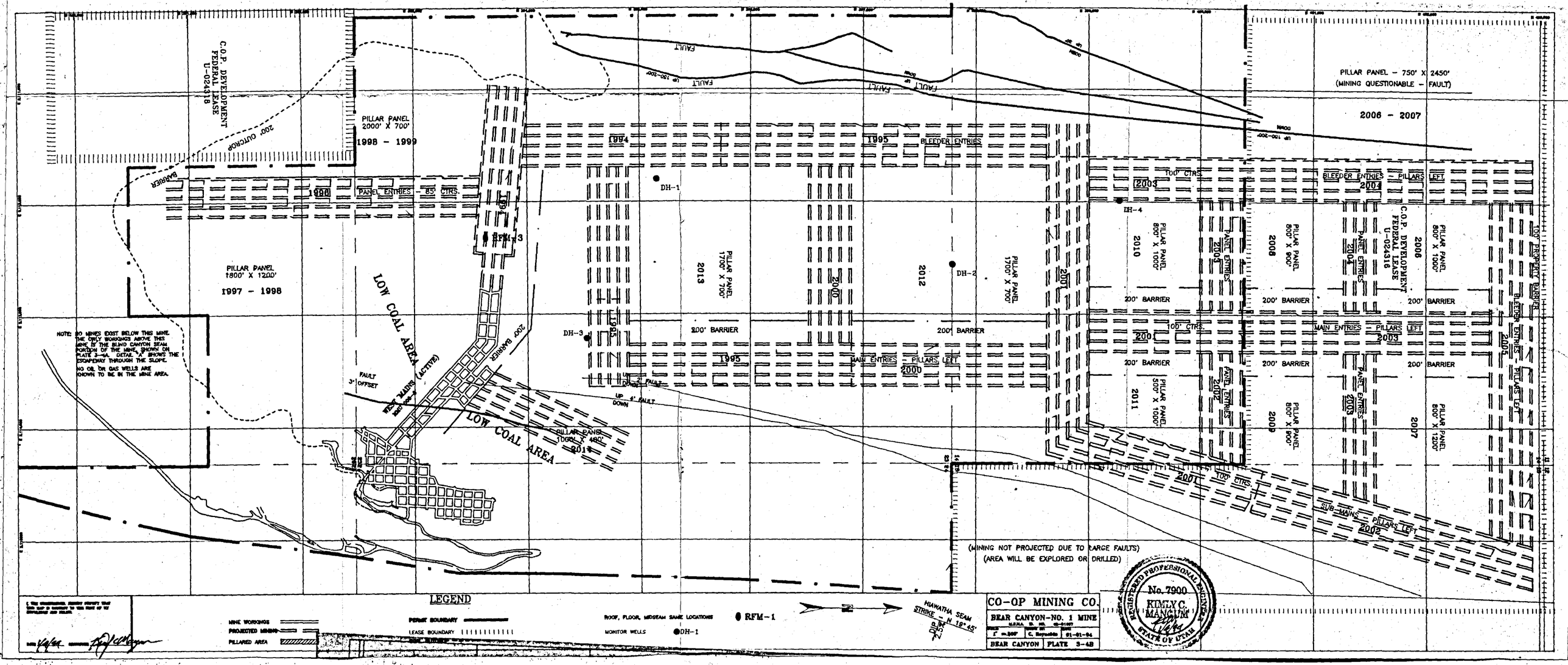

C.O.P. DEVELOPMENT
FEDERAL LEASE
U-024318
PILLAR PANEL
2000' X 700'
1998 - 1999
200' OUTCROP
BARRIER
PANEL ENTRIES - 85' CTRS.
1996
1994
RFM-3
PILLAR PANEL
1800' X 1200'
1997 - 1998
LOW COAL AREA
200' BARRIER
FAULT
3' OFFSET
WEST MAINS (ACTIVE)
LOW COAL AREA
PILLAR PANEL
1000' X 480'
2014
1995
DH-1
DH-2
DH-3
DH-4
PILLAR PANEL
1700' X 700'
2013
2000
2012
2001
200' BARRIER
MAIN ENTRIES - PILLARS LEFT
2000
UP 2' FAULT
DOWN
UP 4' FAULT
DOWN
BLEEDER ENTRIES
1995
100' CTRS.
2003
BLEEDER ENTRIES - PILLARS LEFT
2004
PILLAR PANEL
800' X 1000'
2010
PANEL ENTRIES
2003
2008
PILLAR PANEL
800' X 900'
PANEL ENTRIES
2004
C.O.P. DEVELOPMENT
FEDERAL LEASE
U-024316
2006
PILLAR PANEL
800' X 1000'
100' PROPERTY BARRIER
BLEEDER ENTRIES - PILLARS LEFT
2005
PILLAR PANEL
500' X 1000'
2011
PANEL ENTRIES
2002
PILLAR PANEL
800' X 900'
2009
PANEL ENTRIES
2003
2007
PILLAR PANEL
800' X 1200'
100' CTRS.
2001
SUB-MAINS - PILLARS LEFT
2002
PILLAR PANEL - 750' X 2450'
(MINING QUESTIONABLE - FAULT)
2006 - 2007
UP 150-200'
DOWN
NOTE: NO MINES EXIST BELOW THIS MINE. THE ONLY WORKINGS ABOVE THIS MINE IS THE BLIND CANYON SEAM PORTION OF THE MINE, SHOWN ON PLATE 3-4A. DETAIL "A" SHOWS THE ESCAPEWAY THROUGH THE SLOPE.
NO OIL OR GAS WELLS ARE KNOWN TO BE IN THE MINE AREA.
(MINING NOT PROJECTED DUE TO LARGE FAULTS)
(AREA WILL BE EXPLORED OR DRILLED)
LEGEND
MINE WORKINGS
PROJECTED MINING
PILLARED AREA
PERMIT BOUNDARY
LEASE BOUNDARY
ROOF, FLOOR, MIDSEAM SAME LOCATIONS
RFM-1
MONITOR WELLS
DH-1
HIAWATHA SEAM
STRIKE - N 19° 45'
DIP 2.5°
CO-OP MINING CO.
BEAR CANYON-NO. 1 MINE
1" = 500'
C. Reynolds
01-01-94
BEAR CANYON
PLATE 3-4B
REGISTERED PROFESSIONAL ENGINEER
No. 7900
KIMLY C. MANGUM
STATE OF UTAH