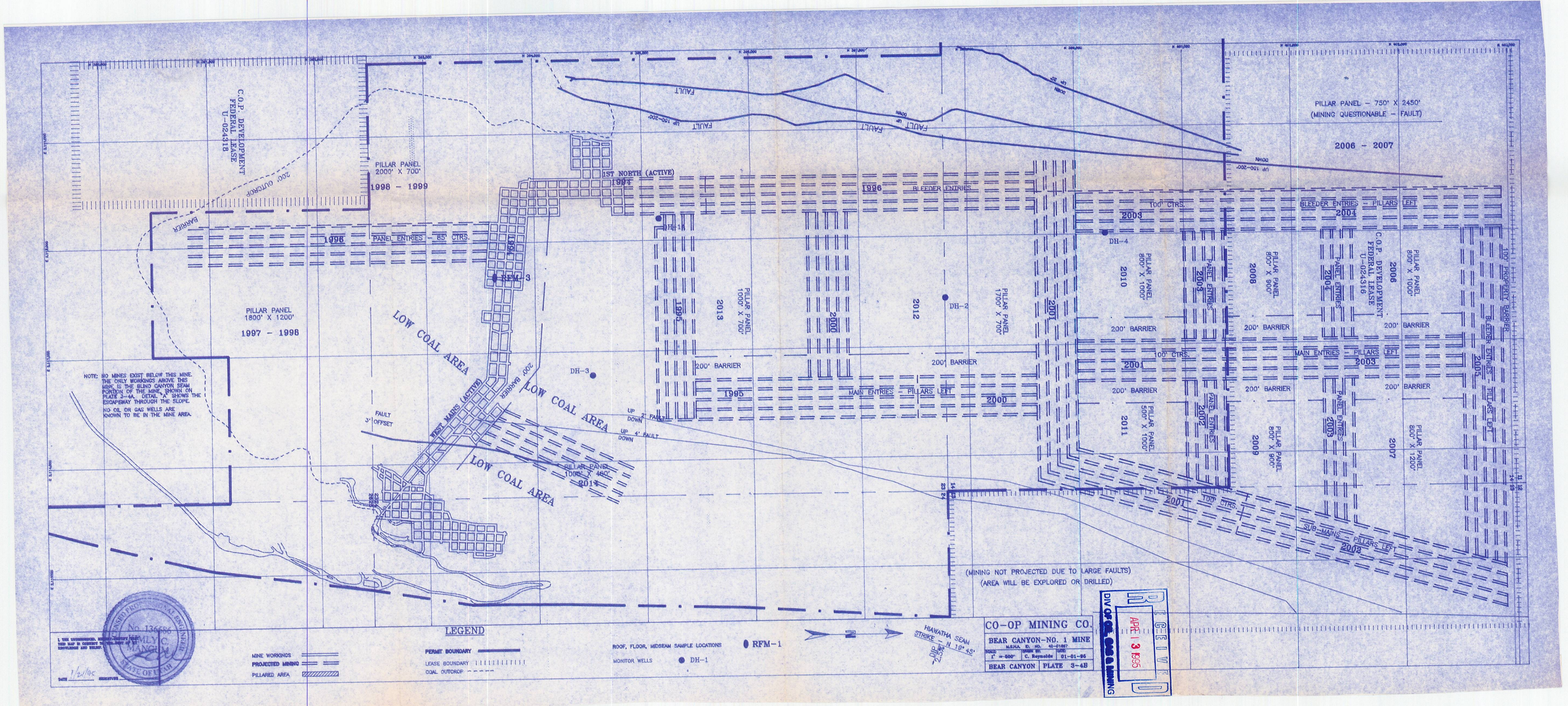

C.O.P. DEVELOPMENT
FEDERAL LEASE
U-024318
PILLAR PANEL
2000' X 700'
1998 - 1999
200' OUTCROP
BARRIER
1ST NORTH (ACTIVE)
1994
1996
BLEEDER ENTRIES
FAULT
UP 150-200'
DOWN
PILLAR PANEL - 750' X 2450'
(MINING QUESTIONABLE - FAULT)
2006 - 2007
1998
PANEL ENTRIES - 85' CTRS.
RFM-3
PILLAR PANEL
1800' X 1200'
1997 - 1998
LOW COAL AREA
DH-1
DH-2
DH-3
DH-4
1995
2013
PILLAR PANEL
1000' X 700'
2000
2012
PILLAR PANEL
1700' X 700'
2001
2010
PILLAR PANEL
800' X 1000'
2003
PANEL ENTRIES
2008
PILLAR PANEL
800' X 900'
2004
PANEL ENTRIES
C.O.P. DEVELOPMENT
FEDERAL LEASE
U-024316
2006
PILLAR PANEL
800' X 1000'
100' PROPERTY BARRIER
BLEEDER ENTRIES - PILLARS LEFT
2005
200' BARRIER
100' CTRS.
MAIN ENTRIES - PILLARS LEFT
2011
PILLAR PANEL
500' X 1000'
2002
2009
PILLAR PANEL
800' X 900'
2007
PILLAR PANEL
800' X 1200'
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.
WEST MAINS (ACTIVE)
200' BARRIER
FAULT
3' OFFSET
UP 2' FAULT DOWN
UP 4' FAULT DOWN
PILLAR PANEL
1000' X 400'
2014
SUB-MAINS - PILLARS LEFT
2002
(MINING NOT PROJECTED DUE TO LARGE FAULTS)
(AREA WILL BE EXPLORED OR DRILLED)
LEGEND
MINE WORKINGS
PROJECTED MINING
PILLARED AREA
PERMIT BOUNDARY
LEASE BOUNDARY
COAL OUTCROP
ROOF, FLOOR, MIDSEAM SAMPLE 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
M.S.H.A. ID. NO. 42-01867
SCALE: 1" = 500'
DRAWN BY: C. Reynolds
DATE: 01-01-95
BEAR CANYON
PLATE 3-4B
RECEIVED
APR 13 1995
DIV OF OIL, GAS & MINING
LICENSED PROFESSIONAL ENGINEER
No. 136686
KEMLY C. MANGUM
STATE OF UTAH
1/21/95