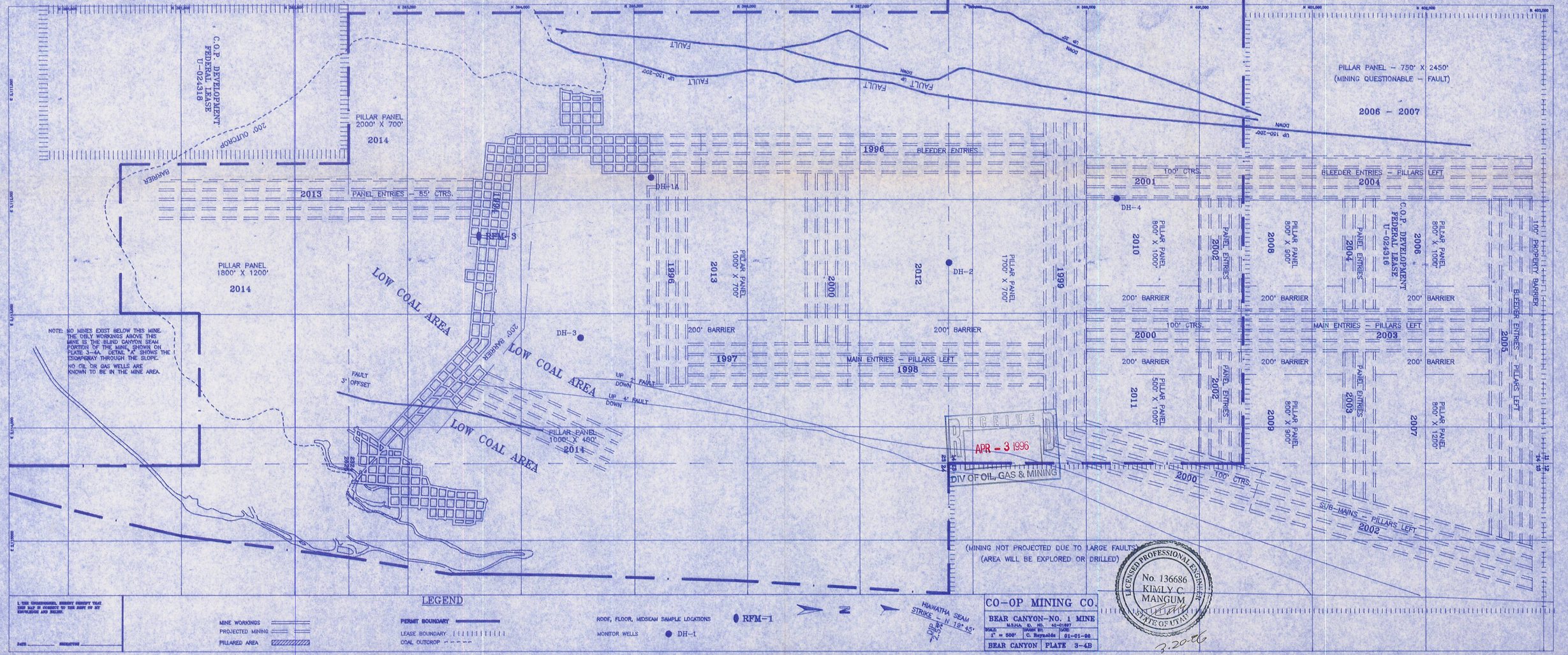

C.O.P. DEVELOPMENT
FEDERAL LEASE
U-024318
200' OUTCROP
BARRIER
PILLAR PANEL
2000' X 700'
2014
PILLAR PANEL
1800' X 1200'
2014
2013
PANEL ENTRIES - 85' CTRS.
1994
RFM-3
LOW COAL AREA
LOW COAL AREA
LOW COAL AREA
200' BARRIER
DH-3
FAULT
3' OFFSET
UP 2' FAULT
DOWN
UP 4' FAULT
DOWN
PILLAR PANEL
1000' X 400'
2014
FAULT
UP 150-200'
FAULT
UP
DOWN
FAULT
UP
DOWN
UP 150-200'
DOWN
1996
BLEEDER ENTRIES
DH-1A
1996
2013
PILLAR PANEL
1000' X 700'
2000
2012
DH-2
PILLAR PANEL
1700' X 700'
1999
200' BARRIER
200' BARRIER
1997
MAIN ENTRIES - PILLARS LEFT
1998
100' CTRS.
2001
DH-4
2010
PILLAR PANEL
800' X 1000'
PANEL ENTRIES
2002
2008
PILLAR PANEL
800' X 900'
PANEL ENTRIES
2004
C.O.P. DEVELOPMENT
FEDERAL LEASE
U-024316
2006
PILLAR PANEL
800' X 1000'
200' BARRIER
200' BARRIER
200' BARRIER
100' CTRS.
2000
MAIN ENTRIES - PILLARS LEFT
2003
200' BARRIER
200' BARRIER
200' BARRIER
2011
PILLAR PANEL
500' X 1000'
PANEL ENTRIES
2002
2009
PILLAR PANEL
800' X 900'
PANEL ENTRIES
2003
2007
PILLAR PANEL
800' X 1200'
100' PROPERTY BARRIER
BLEEDER ENTRIES - PILLARS LEFT
2005
PILLAR PANEL - 750' X 2450'
(MINING QUESTIONABLE - FAULT)
2006 - 2007
BLEEDER ENTRIES - PILLARS LEFT
2004
RECEIVED
APR - 3 1996
DIV OF OIL, GAS & MINING
2000
100' CTRS.
SUB-MAINS - PILLARS LEFT
2002
(MINING NOT PROJECTED DUE TO LARGE FAULTS)
(AREA WILL BE EXPLORED OR DRILLED)
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.
LEGEND
MINE WORKINGS
PROJECTED MINING
PILLARED AREA
PERMIT BOUNDARY
LEASE BOUNDARY
COAL OUTCROP
ROOF, FLOOR, MIDSEAM SAMPLE LOCATIONS
RFM-1
MONITOR WELLS
DH-1
N
HIAWATHA SEAM
STRIKE - N 19° 45'
DIP 2.5%
CO-OP MINING CO.
BEAR CANYON-NO. 1 MINE
M.S.H.A. ID. NO. 42-01697
SCALE: 1" = 500'
DRAWN BY: C. Reynolds
DATE: 01-01-96
BEAR CANYON
PLATE 3-4B
LICENSED PROFESSIONAL ENGINEER
No. 136686
KIMLY C. MANGUM
STATE OF UTAH
3-20-96