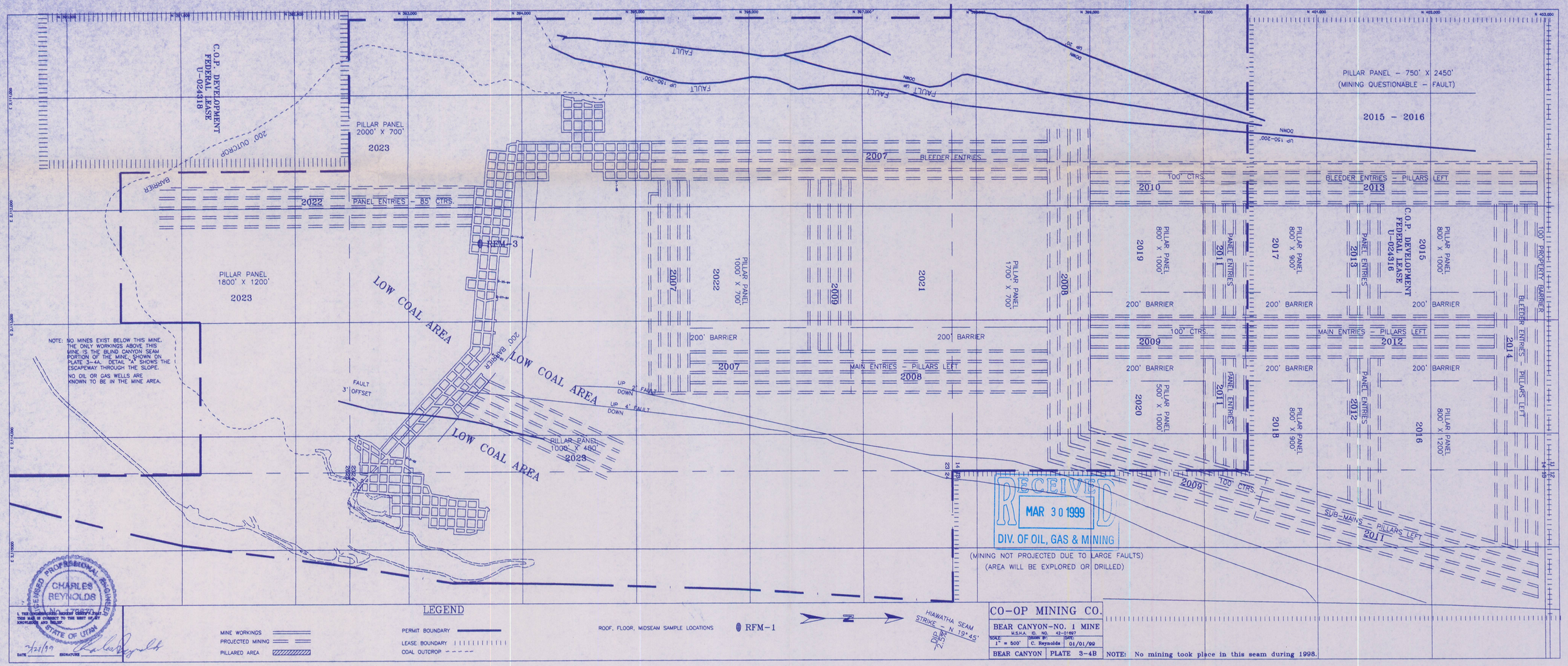
C.O.P. DEVELOPMENT FEDERAL LEASE U-024318
PILLAR PANEL 2000' X 700'
2023
200' OUTCROP
BARRIER
2022
PANEL ENTRIES - 85' CTRS.
RFM-3
PILLAR PANEL 1800' X 1200'
2023
LOW COAL AREA
200' BARRIER
FAULT 3' OFFSET
PILLAR PANEL 1000' X 480'
2023
UP 2' FAULT DOWN
UP 4' FAULT DOWN
FAULT
UP 150-200'
DOWN
UP 20'
2007
BLEEDER ENTRIES
2007
2022
PILLAR PANEL 1000' X 700'
2009
2021
PILLAR PANEL 1700' X 700'
2008
MAIN ENTRIES - PILLARS LEFT
2008
100' CTRS.
2010
BLEEDER ENTRIES - PILLARS LEFT
2013
2019
PILLAR PANEL 800' X 1000'
2011
PANEL ENTRIES
2017
PILLAR PANEL 800' X 900'
2013
PANEL ENTRIES
2015
C.O.P. DEVELOPMENT FEDERAL LEASE U-024316
PILLAR PANEL 800' X 1000'
100' PROPERTY BARRIER
2009
MAIN ENTRIES - PILLARS LEFT
2012
2014
BLEEDER ENTRIES - PILLARS LEFT
2020
PILLAR PANEL 500' X 1000'
2011
PANEL ENTRIES
2018
PILLAR PANEL 800' X 900'
2012
PANEL ENTRIES
2016
PILLAR PANEL 800' X 1200'
2009
100' CTRS.
SUB-MAINS - PILLARS LEFT
2011
PILLAR PANEL - 750' X 2450'
(MINING QUESTIONABLE - FAULT)
2015 - 2016
(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.
RECEIVED
MAR 30 1999
DIV. OF OIL, GAS & MINING
LICENSED PROFESSIONAL ENGINEER
CHARLES REYNOLDS
No. 178670
STATE OF UTAH
DATE 3/21/99
SIGNATURE
LEGEND
MINE WORKINGS
PROJECTED MINING
PILLARED AREA
PERMIT BOUNDARY
LEASE BOUNDARY
COAL OUTCROP
ROOF, FLOOR, MIDSEAM SAMPLE LOCATIONS
RFM-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: 01/01/99
BEAR CANYON
PLATE 3-4B
NOTE: No mining took place in this seam during 1998.