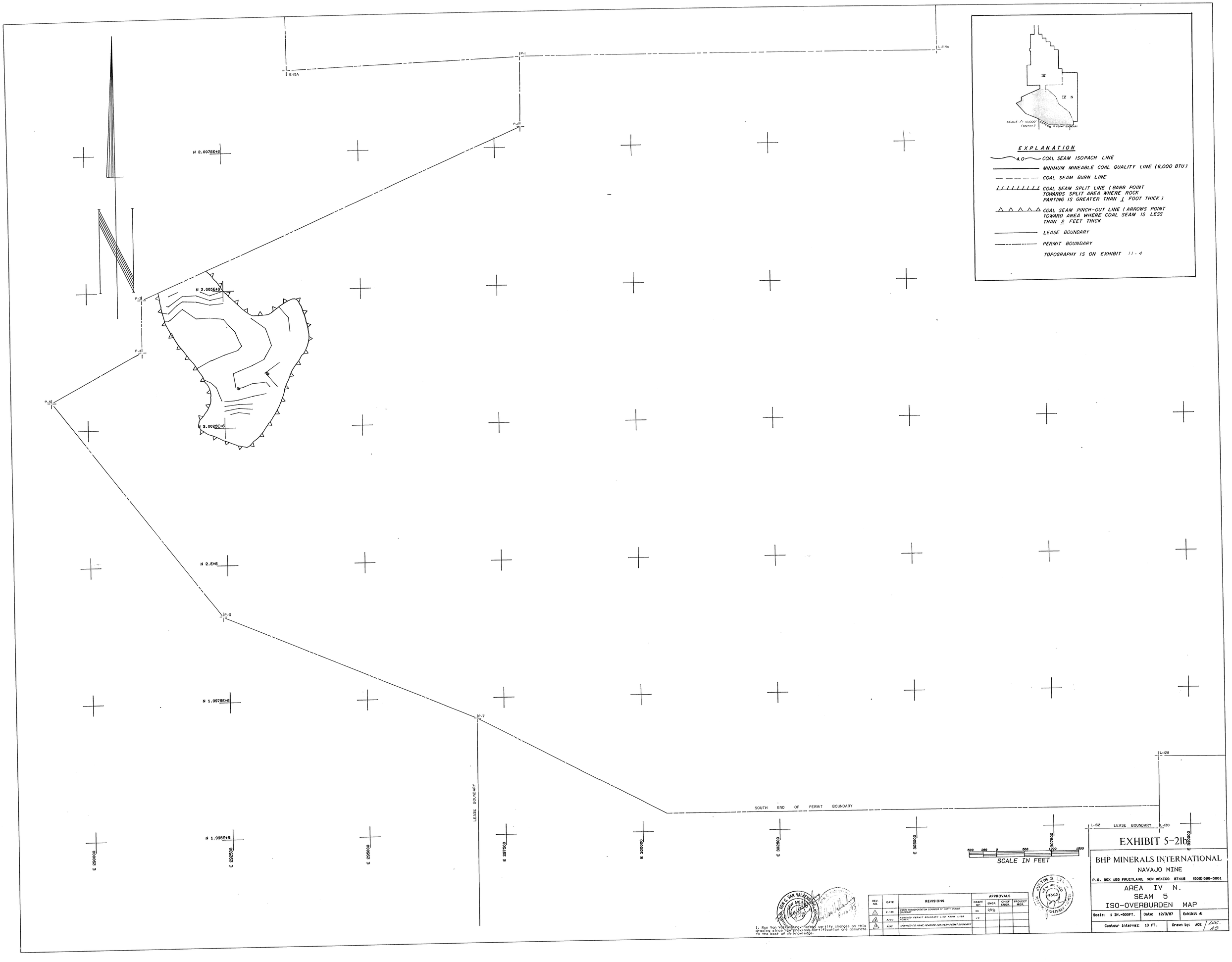
E-15A
P-1
L-114c
P-2
N 2.0075E+6
N 2.005E+6
P-3
P-4
P-5
N 2.0025E+6
N 2.E+6
P-6
N 1.9975E+6
P-7
LEASE BOUNDARY
SOUTH END OF PERMIT BOUNDARY
IL-128
L-132
LEASE BOUNDARY
IL-130
N 1.995E+6
E 290000
E 292500
E 295000
E 297500
E 300000
E 302500
E 305000
E 307500
E 310000
500 250 0 500 1000 1500
SCALE IN FEET
III
IV N
SCALE 1" = 10,000'
SOUTH END OF PERMIT BOUNDARY
EXPLANATION
4.0 COAL SEAM ISOPACH LINE
MINIMUM MINEABLE COAL QUALITY LINE (6,000 BTU)
COAL SEAM BURN LINE
COAL SEAM SPLIT LINE (BARB POINT TOWARDS SPLIT AREA WHERE ROCK PARTING IS GREATER THAN 1 FOOT THICK)
COAL SEAM PINCH-OUT LINE (ARROWS POINT TOWARD AREA WHERE COAL SEAM IS LESS THAN 2 FEET THICK
LEASE BOUNDARY
PERMIT BOUNDARY
TOPOGRAPHY IS ON EXHIBIT 11-4
I, Ron Van Valkenburg, hereby certify changes on this drawing since the previous certification are accurate to the best of my knowledge.
RON C. VAN VALKENBURG NEW MEXICO 9362 REGISTERED PROFESSIONAL ENGINEER
JUSTIN S. STAUFFER NEW MEXICO 9362 REGISTERED PROFESSIONAL ENGINEER
REV. NO. | DATE | REVISIONS | APPROVALS: DRAFT REV. | ENGR | CHIEF ENGR. | PROJECT MGR.
2/88 HOGEN TRANSPORTATION CORRIDOR AT NORTH PERMIT BOUNDARY. CS RHB
8/90 REMOVED PERMIT BOUNDARY LINE FROM LEASE NORTH. JS
9/93 CHANGED CS NAME, REVISED NORTHERN PERMIT BOUNDARY
EXHIBIT 5-21b
BHP MINERALS INTERNATIONAL
NAVAJO MINE
P.O. BOX 155 FRUITLAND, NEW MEXICO 87416 (505) 598-5861
AREA IV N.
SEAM 5
ISO-OVERBURDEN MAP
Scale: 1 IN.=500FT.
Date: 12/3/87
Exhibit #:
Contour interval: 10 FT.
Drawn by: ACE
LDC. 15