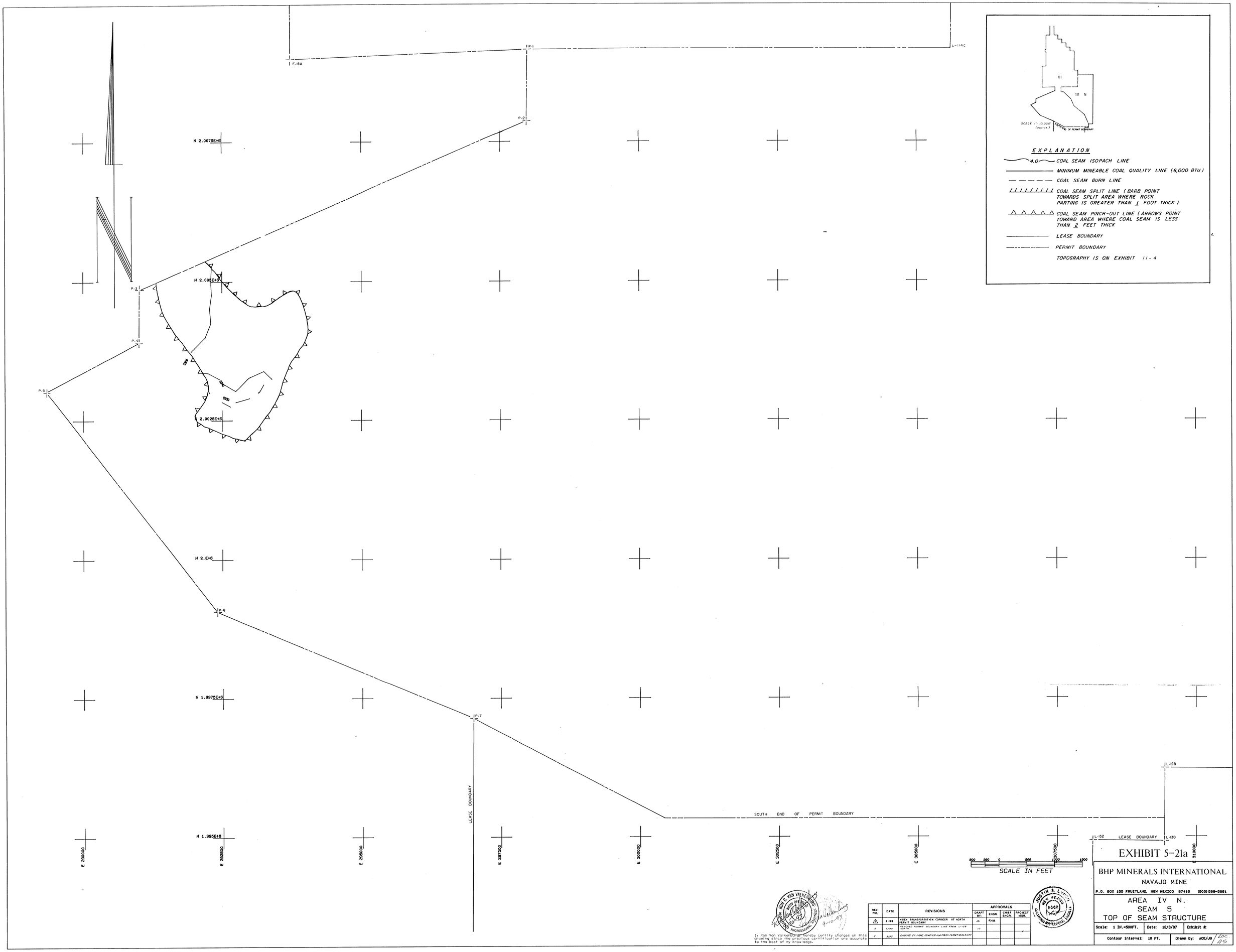
E-15A
P-1
L-114C
P-2
N 2.0075E+6
N 2.005E+6
P-3
P-4
P-5
N 2.0025E+6
N 2.E+6
P-6
N 1.9975E+6
P-7
N 1.995E+6
LEASE BOUNDARY
SOUTH END OF PERMIT BOUNDARY
L-128
L-132
LEASE BOUNDARY
L-130
E 290000
E 292500
E 295000
E 297500
E 300000
E 302500
E 305000
E 307500
E 310000
500 250 0 500 1000 1500
SCALE IN FEET
III
IV N
SCALE 1" = 10,000 (approx.)
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
RON E. VAN VALKENBURG NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 9-10-93
AUSTIN S. LYONS NEW MEXICO 2368 REGISTERED PROFESSIONAL ENGINEER
I, Ron Van Valkenburg, hereby certify changes on this drawing since the previous certification are accurate to the best of my knowledge.
REV. NO. | DATE | REVISIONS | APPROVALS: DRAFT BY | ENGR. | CHIEF ENGR. | PROJECT MGR.
1 | 2-88 | HIDEN TRANSPORTATION CORRIDOR AT NORTH PERMIT BOUNDARY | JG | RVB
2 | 3/90 | REVISED PERMIT BOUNDARY LINE FROM L-128 NORTH | JG
3 | 9/93 | CHANGED CO. NAME, REMOVED PLA PRIOR PERMIT BOUNDARY
EXHIBIT 5-21a
BHP MINERALS INTERNATIONAL
NAVAJO MINE
P.O. BOX 155 FRUITLAND, NEW MEXICO 87416 (505) 598-5861
AREA IV N.
SEAM 5
TOP OF SEAM STRUCTURE
Scale: 1 IN.=500FT. | Date: 12/3/87 | Exhibit #:
Contour Interval: 10 FT. | Drawn by: ACE/JG | Loc. 19