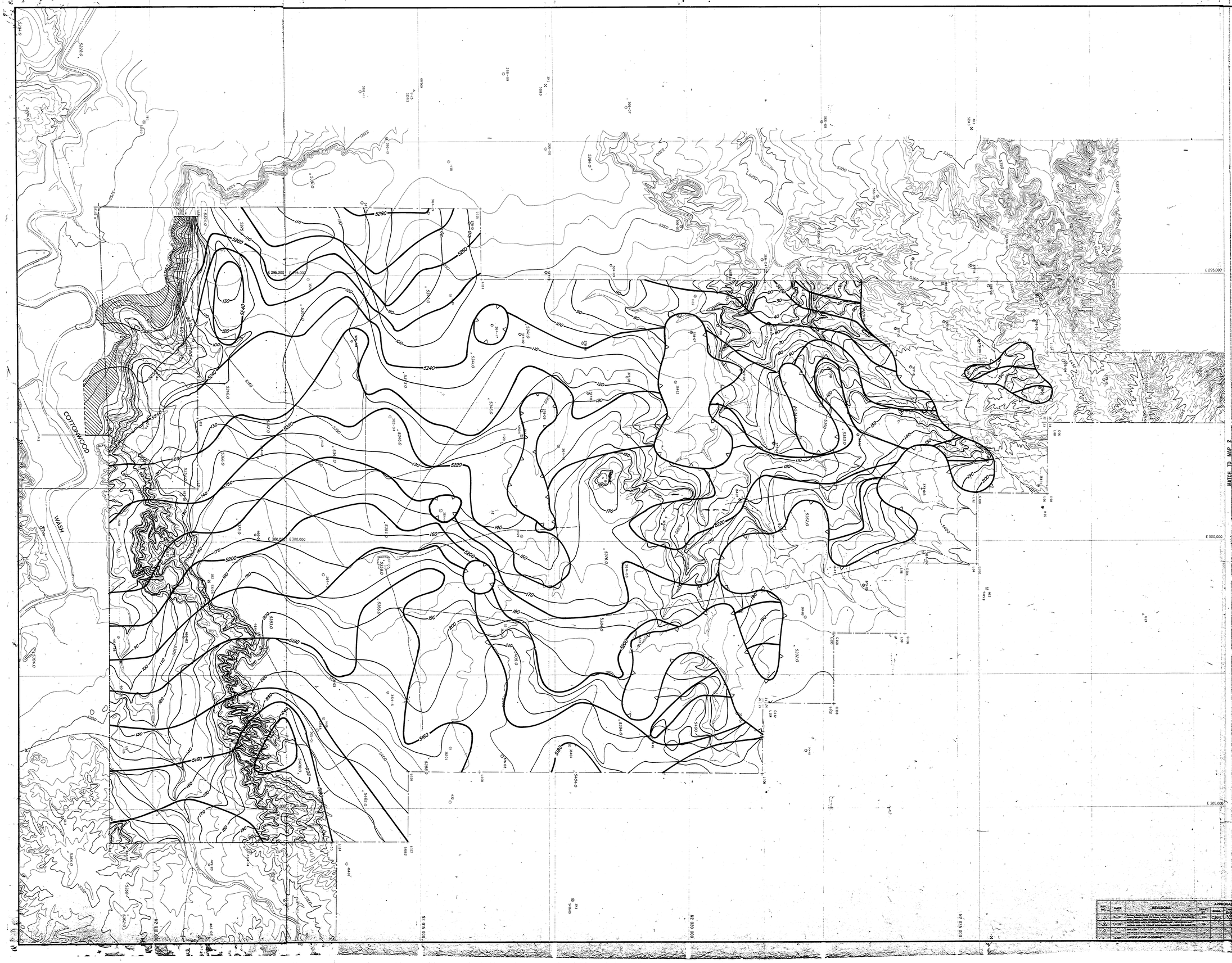
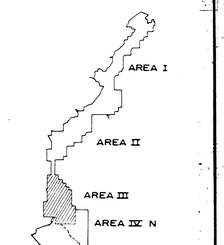


INDEX MAP



500 0 FEET 500 1000 1500

CONTOUR INTERVAL - 10 FEET

LEGEND

- O — DRILL HOLE LOCATION
- ~5280~ — TOP OF COAL SEAM STRUCTURE CONTOURS (CONTOUR INTERVAL 10 FEET)
- ~ 50 ~ — OVERBURDEN ISOPACH LINES (ISOPACH INTERVAL 10 FEET)
- MINIMUM MINEABLE COAL QUALITY LINE (6,000 BTU)
- COAL SEAM BURN LINE
- COAL SEAM SPLIT LINE (BARBS POINT TOWARD 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)
- COAL MINED OUT AS OF DECEMBER 16, 1977.
- COAL LEASE BOUNDARY
- AREA 3 AND AREA 4 MINING BOUNDARY.
- 50' 60' 5240 70' — OVERBURDEN TO TOP OF SEAM; TOP OF SEAM CONTOUR

I HEREBY CERTIFY THAT THIS MAP IS CORRECT AND PROFESSIONALLY PREPARED TO THE BEST OF MY KNOWLEDGE.

N

EXHIBIT 5-17

BHP MINERALS INTERNATIONAL

KIRTLAND MINE

FRUITLAND, NEW MEXICO

SEAM 3

TOP OF SEAM STRUCTURE AND ISO-OVERBURDEN MAP

REV. NO.	DATE	REVISIONS	APPROVALS DRAFT. BY	DRAFT. ENGR.	CHIEF ENGR.	PROJECT MGR.
1	12-15-77	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	11-1-78	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	11-1-79	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	12-1-80	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	5-1-81	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

DRAWN BY: L. DAN — SCALE: 1" = 500' — EXHIBIT:

APPROVED BY: — DATE: Dec 1986

DRAWING NO. — LOCATION NO.