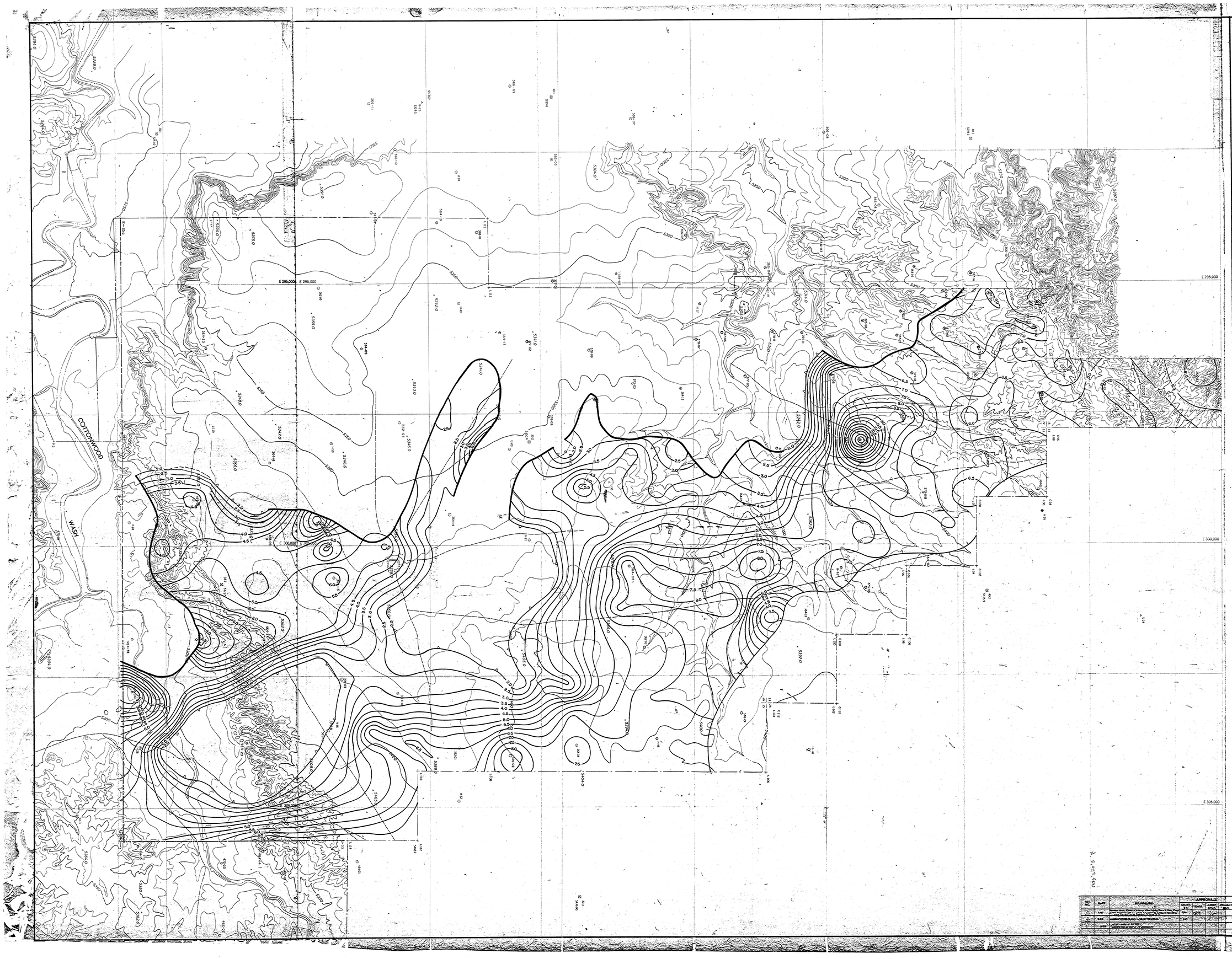
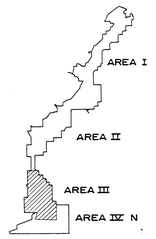


INDEX MAP



I, Ron Van Valkenburg, hereby certify shown on this drawing show the proposed subdivision are accurate to the best of my knowledge.

EXPLANATION

- DRILL HOLE LOCATION
- 8.0 COAL SEAM ISOPACH LINE (ISOPACH INTERVAL = 0.5 FEET).
- MINIMUM MINABLE 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.

N

EXHIBIT 5-31a

BHP MINERALS INTERNATIONAL

WALSH ENGINEERING

FRUITLAND, NEW MEXICO

AREA III

SEAM 8a

THICKNESS MAP

REV. NO.	DATE	REVISIONS	APPROVALS: DRAFT. BY	DESIGN.	CHECK. DESIGN.	PROJECT ENG.
1	1977	[illegible]	DAN			
2	1981	[illegible]				
3	1982	[illegible]				

DRAWN BY L. DAN	SCALE 1" = 500'	EXHIBIT:	
APPROVED BY	DATE MAY, 1987		
DRAWING NO.	LOCATION NO.		