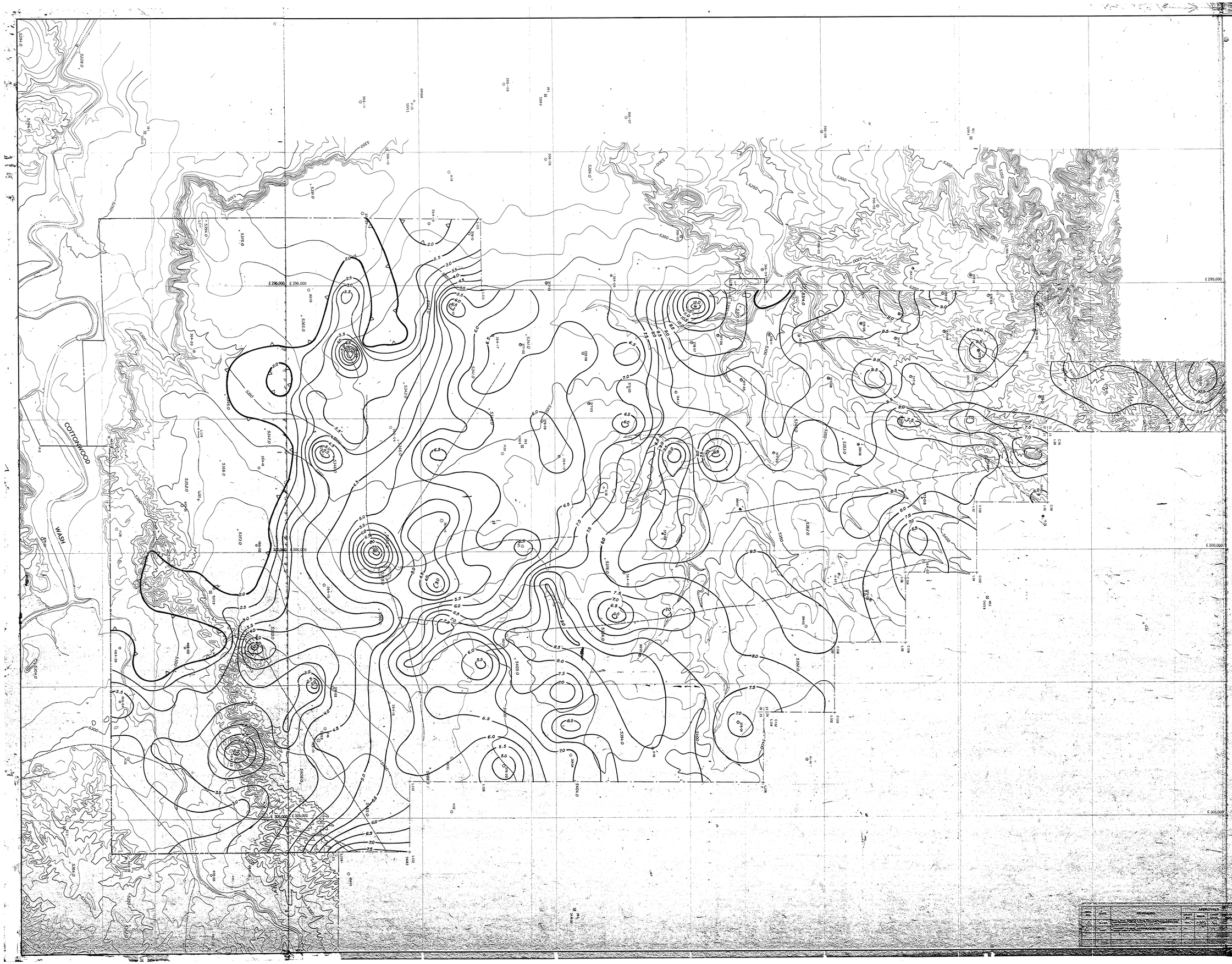

N

500 0 FEET 500 1000 1500

CONTOUR INTERVAL = 10 FEET

EXPLANATION

- DRILL HOLE LOCATION
- COAL SEAM ISOPACH LINE (ISOPACH INTERVAL = 0.5 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

INDEX MAP

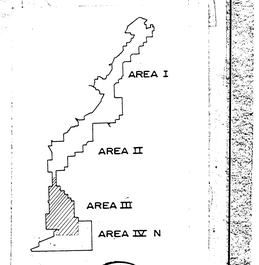

EXHIBIT 5-19a

BHP MINERALS INTERNATIONAL

SEAM 4 COAL THICKNESS MAP

NO.	DATE	REVISIONS	APPROVALS			
			DRAFT	ENGR.	CHIEF ENGR.	MANAGER
1	2-1-80	[illegible]	[illegible]			
2	2-1-80	[illegible]				
3	[illegible]	[illegible]				
4	[illegible]	[illegible]				
5	[illegible]	[illegible]				