

TABLE 4
SUBSIDENCE MODEL INPUT PARAMETERS

PARAMETER	MINE/STUDY SITE					
	BAILEY		BLACKSVILLE		HUMPHREY NO. 7	
	A-1	A-2	B-1	B-2	D-1	D-2
Longwall panel Width (ft.)	1010 to 1110	760	750 to 860	665 to 770	560 to 1000	560 to 575
Surface elevation (ft.)	870 to 1340	940 to 1440	940 to 1360	950 to 1360	1020 to 1450	1040 to 1440
Seam elevation (ft.)	455 to 575	430 to 505	310 to 355	340 to 400	340 to 480	375 to 432
Surface prediction points grid dimensions (ft. x ft.)	333 x 333	500 x 250	500 x 300	500 x 300	500 x 300	500 x 200
Extraction thickness (ft.)	6.5		6.7		6.5	
Subsidence factor (%)	60		58		53	
Gate extraction ratio (%)	30		30		20 to 29	
Average offset distance (ft.)	100		100 to 120		100 to 140	
Percent of hard rock (%)	40		20		25	