Exhibit 11

SUBSIDENCE ENGINEERING INVESTIGATION OF THE PROPOSED BROOK MINE

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OUTLINE

- MINING METHOD
- MINE STABILITY PRINCIPLES
- GEOLOGICAL CONDITIONS
- MINE SUBSIDENCE POTENTIAL
- CONCLUSIONS



MINING METHOD



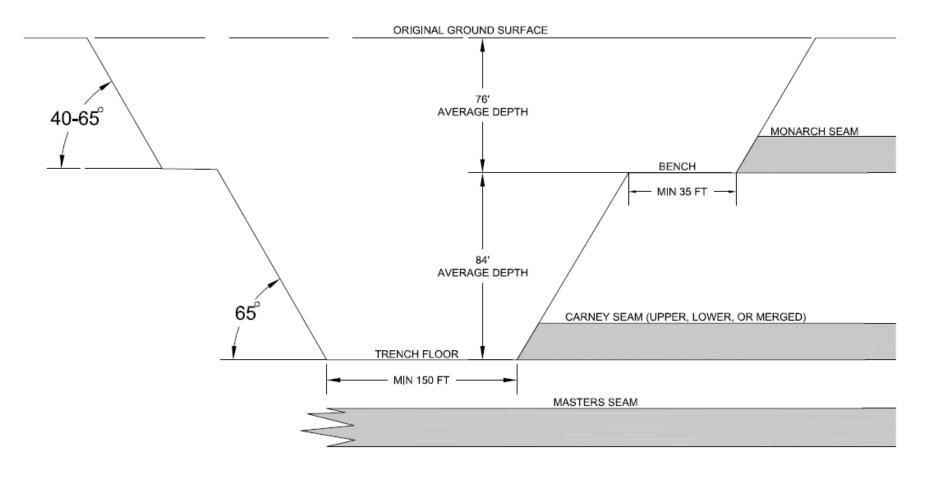


ILLUSTRATION OF PROPOSED HIGHWALL MINING OF COAL VIA STRIP-MINED TRENCH EXCAVATIONS (SEE P. MP-F2)



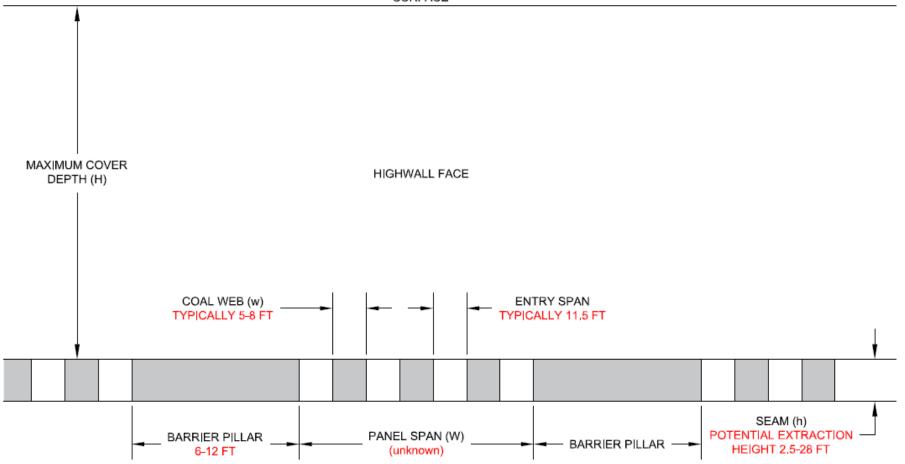










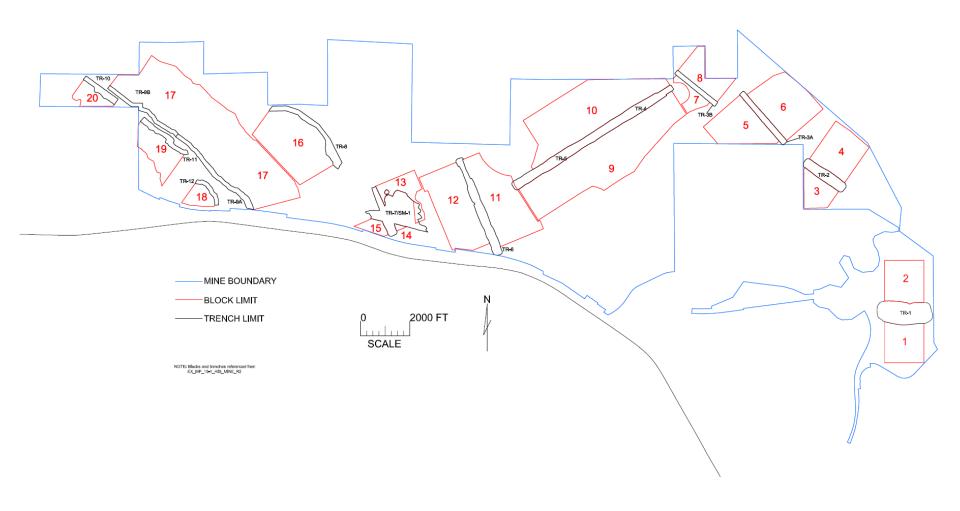


NOMENCLATURE FOR GUIDELINES - HIGHWALL MINING

NOT TO SCALE

PROPOSED HIGHWALL MINING AND PILLAR CONFIGURATION (SEE P. MP-F3)



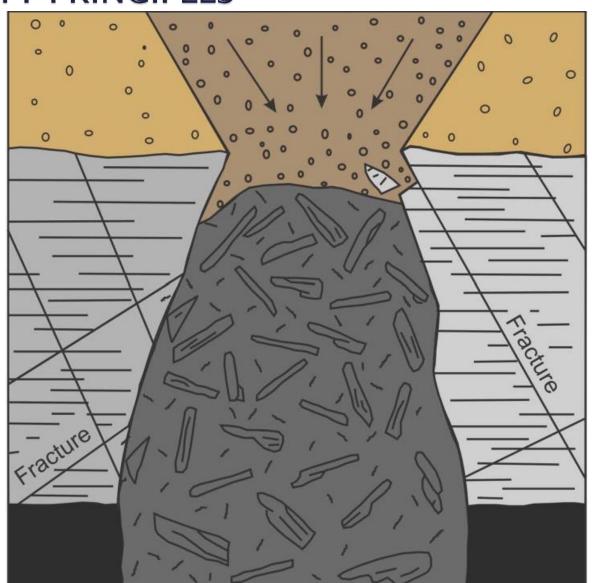


PLANNED TRENCH AND COAL BLOCK AREAS



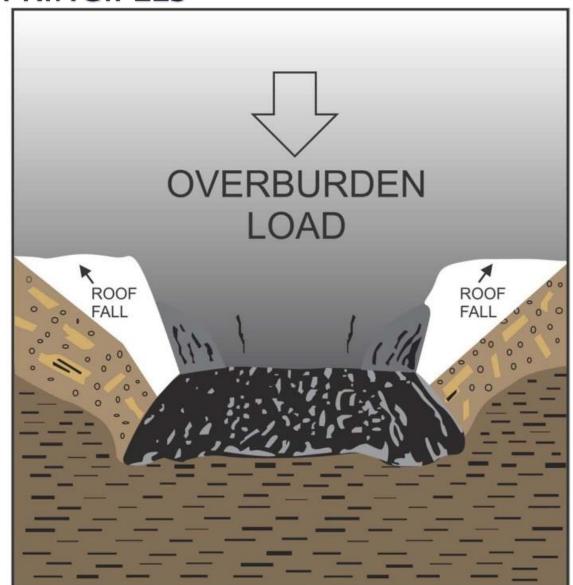
- MINE FAILURE MODES:
 - Roof (Room Caving) Failure
 - Pillar (Crushing) Failure
 - Roof/Floor (Bearing) Failure

ROOF FAILURE



- ROOM SPAN CAPACITY FACTORS:
 - Durability of bed(s)
 - Thickness of bed(s)
 - Strength of bed(s)
 - Rock Structure

PILLAR FAILURE

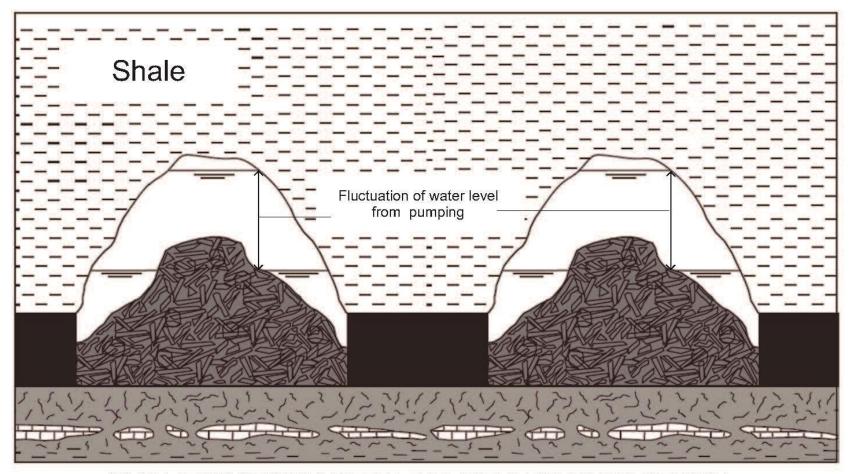


- ▶ PILLAR STRENGTH:
 - Coal Strength
 - Pillar Height
 - Pillar Width and Length

BEARING FAILURE

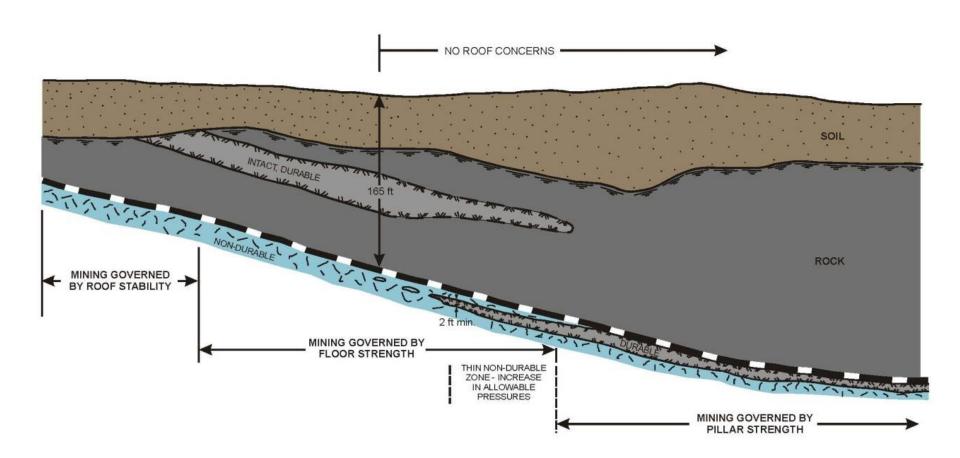


- FLOOR (ROOF) CAPACITY
 - Strength and Thickness of Non-Durable Zone
 - Structure
 - Strength and Thickness of Resistant Zone
 - Pillar Width



OSCILLATING GROUNDWATER LEVEL WITHIN MINE VOID INTERVAL

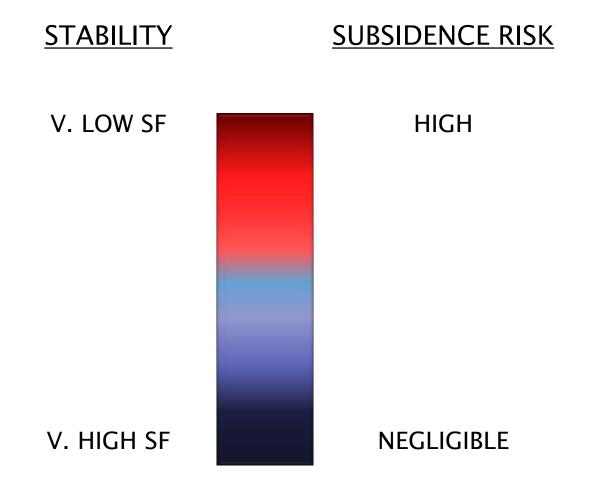
GEOLOGIC EFFECTS ON STABILITY AND SURFACE SUBSIDENCE



SAFETY FACTOR

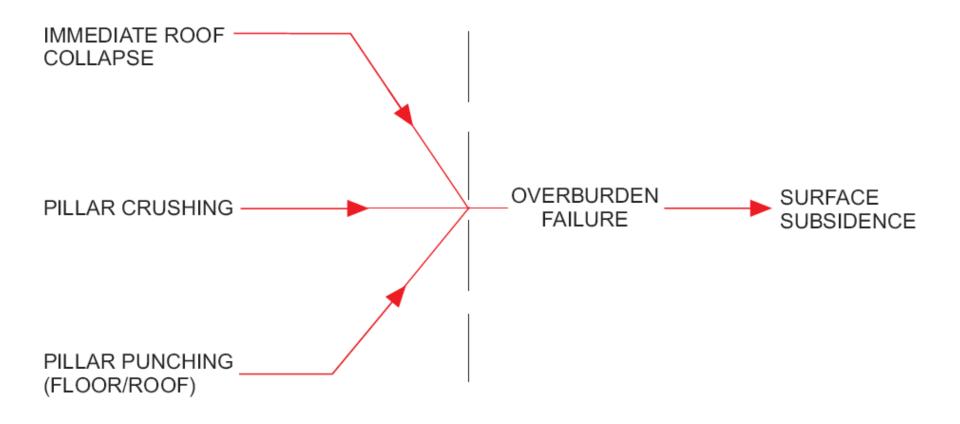
QUALITY OF RISK ASSESSMENT





QUALITY OF RISK ASSESSMENT IS FUNCTION OF KNOWLEDGE AND EXPERIENCE

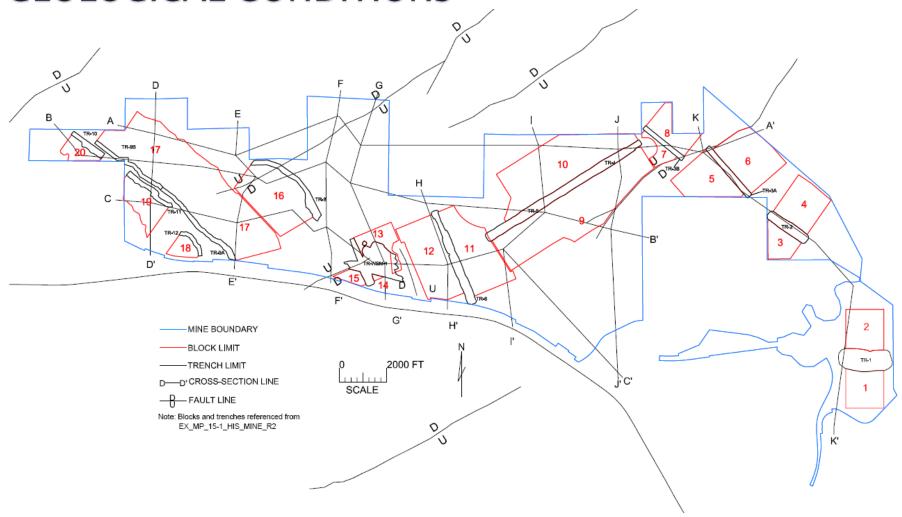




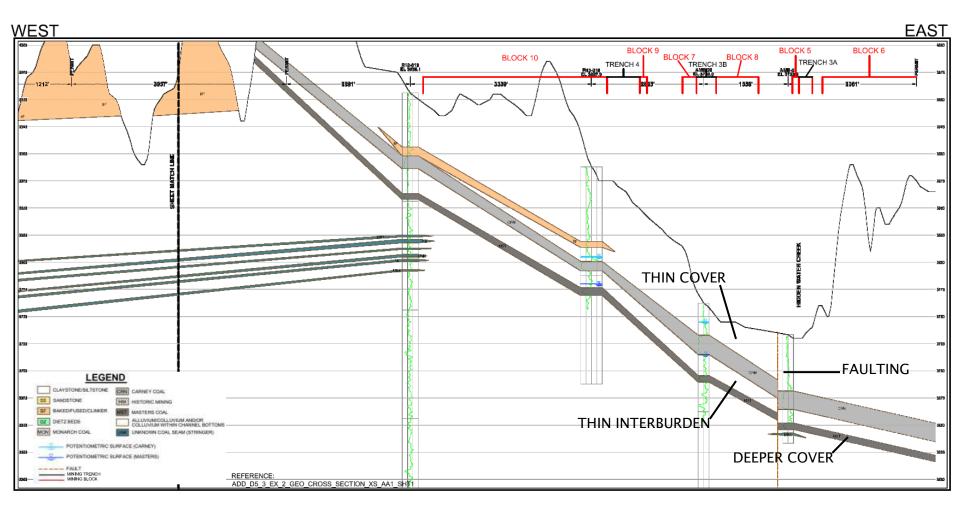
MINE INSTABILITY

OVERBURDEN INSTABILITY

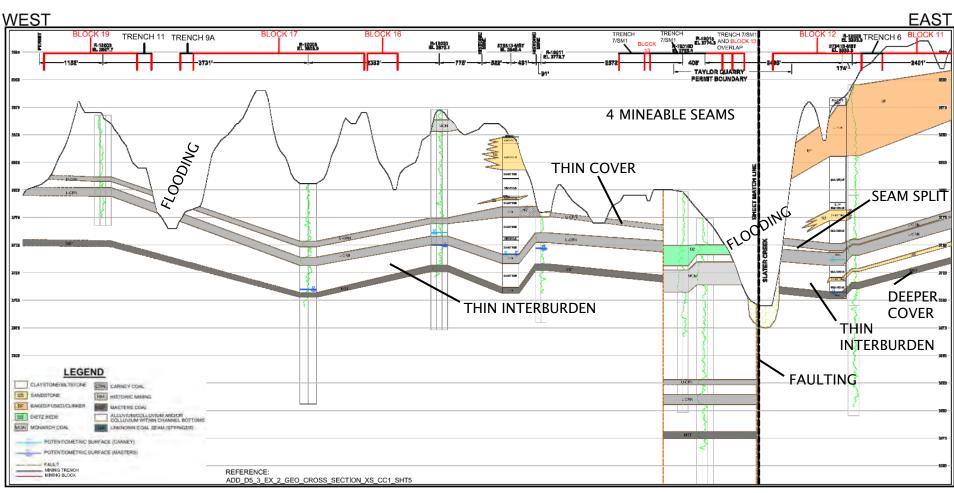




PLANNED TRENCH AND COAL BLOCK AREAS WITH FAULTS AND CROSS SECTION LINES

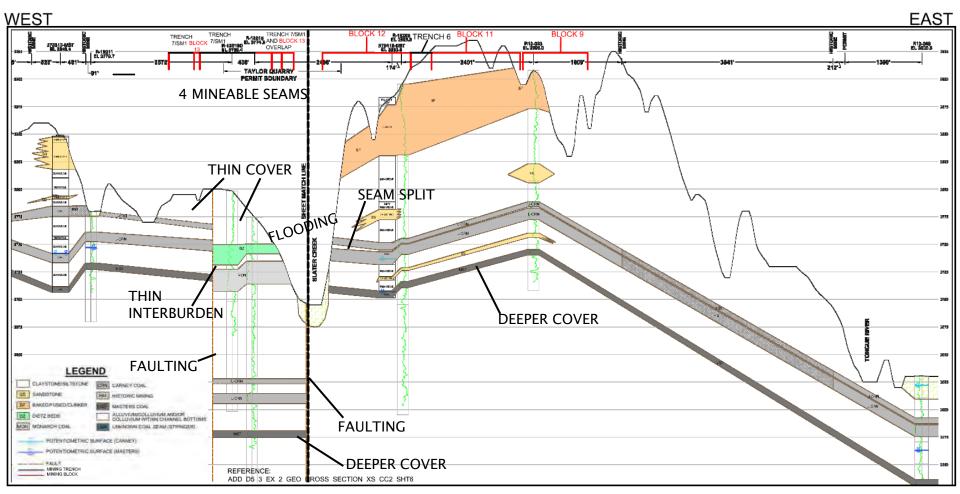


EAST SECTION OF CROSS-SECTION A-A' SHOWING MINING BLOCK AND TRENCH EXTENTS OF THE PROPOSED BROOK MINE

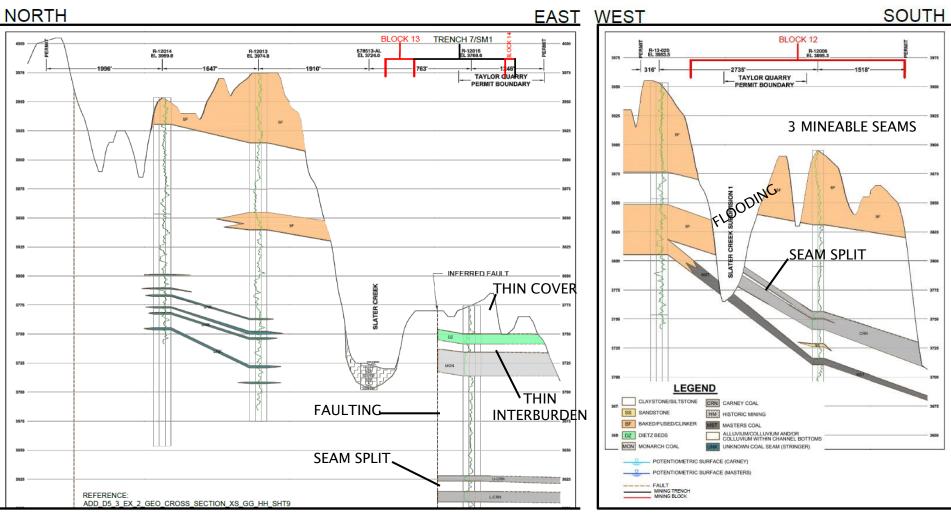


WEST SECTION OF CROSS-SECTION C-C' SHOWING MINING BLOCK AND TRENCH EXTENTS OF THE PROPOSED BROOK MINE

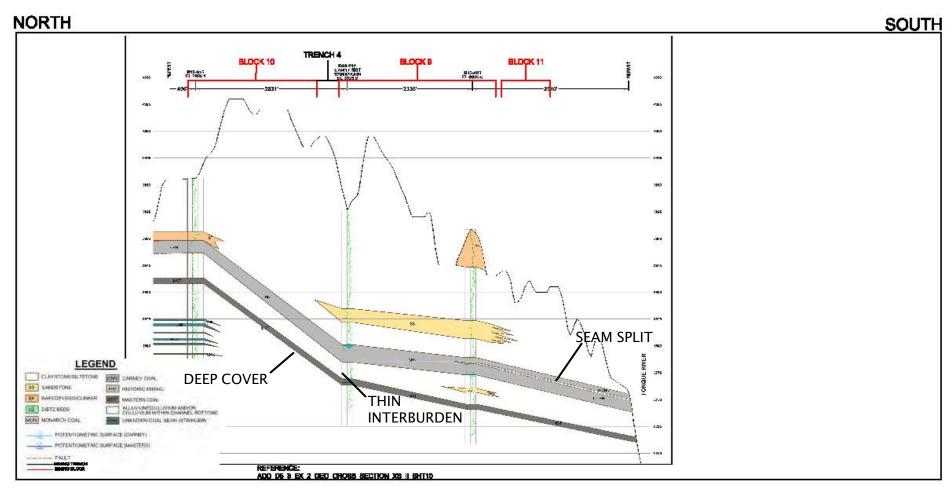




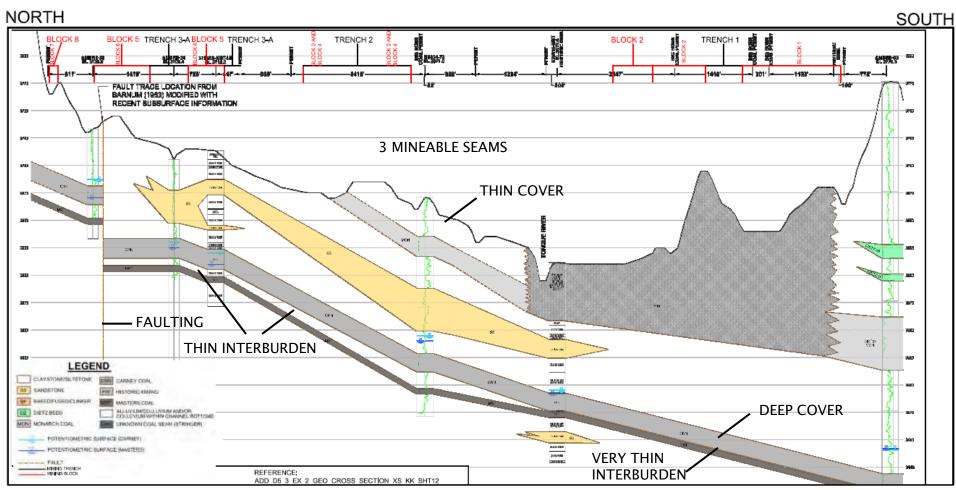
EAST SECTION OF CROSS-SECTION C-C' SHOWING MINING BLOCK AND TRENCH EXTENTS OF THE PROPOSED BROOK MINE



CROSS-SECTIONS G-G' AND H-H' SHOWING MINING BLOCK AND TRENCH EXTENTS FOR THE PROPOSED BROOK MINE



CROSS-SECTION I-I' SHOWING MINING BLOCK AND TRENCH EXTENTS FOR THE PROPOSED BROOK MINE



CROSS-SECTION K-K' SHOWING MINING BLOCK AND TRENCH EXTENTS FOR THE PROPOSED BROOK MINE



DIETZ, MONARCH, CARNEY, AND MASTERS RELATED CONDITIONS PER BLOCK

	COALSEAM	LIFICUIT OF	DEDTUGE	ROOF		FLOOR	
MINE BLOCK		HEIGHT OF SEAM (FT.)	DEPTH OF SEAM TOP (FT.)	HEIGHT	THICKNESS	DEPTH (FT.)	THICKNESS (FT.)
				(FT.)	(FT.)		
	DIETZ/						
1	MONARCH	0-41	100-115				
1	CARNEY	14	220-390				
1	MASTERS	5	235-405				
2	MONARCH	MINED OUT	MINED OUT				
2	CARNEY	15-16	120-185				
2	MASTERS	5	145-210				
3	MONARCH	13-15	0-30			29-32	20-32
3	CARNEY	16	80-130	20-35	20-32		
3	MASTERS	5	106-176				
4	MONARCH	13-15	0-30			29-32	20-32
4	CARNEY	16-17	130-370	20-35	20-32		
4	MASTERS	5	156-417				
5	CARNEY	16-17	70-260	3-50WP	0-36		
5	MASTERS	5	93-289				
6	CARNEY	17-18+	70-345	3-50WP	0-36		
6	MASTERS	5	97-373				
7	CARNEY	8 - 15	40-105				
7	MASTERS	5	58-160				
8	CARNEY	13-16+	30-225				
8	MASTERS	5	53-256				
9 EAST	CARNEY	6-16	100-220	12-13WP	0-12	7.5-9WP	0-3.5
9 EAST	MASTERS	6	126-256	6.5-7WP	0-3.5		
9 WEST	U CARNEY	4-8	80-220	17.5-18	16.5		
9 WEST	L CARNEY	5-8	85-231			12.5	2.5-4
9 WEST	MASTERS	6	100-259	10-11	2.5-4		
10 EAST	CARNEY	4 - 16	60-240	20WP	0-1.5		
10 EAST	MASTERS	6	74-286				
10 WEST	U CARNEY	4-8	120-200				
10 WEST	L CARNEY	4	125-211				
10 WEST	MASTERS	6	139-245				

DIETZ, MONARCH, CARNEY, AND MASTERS RELATED CONDITIONS PER BLOCK (CONTINUED)

11	U CARNEY	3-6	20-160	22-30 WP	0-10		
				22-30 WP	0-10	12	2525
11	L CARNEY	4-8+	25-172	10.11	2525	12	2.5-3.5
11	MASTERS	6	49-210	10-11	2.5-3.5		
12	U CARNEY	4	20-200	8-21WP	0-9		
12	L CARNEY	8-10	25-208	7.5.40040		0-16WP	0-3
12	MASTERS	>6-12+	53-248	7.5-10WP	0-3		
13	DIETZ	0-8.5	0-25				
13	MONARCH	0-20	0-40				
13	U CARNEY	4	15-80				
13	L CARNEY	9	21-114				
13	MASTERS	6-14+	50-143				
14	DIETZ	8	0-6				
14	MONARCH	20	16-22				
14	U CARNEY	4	120-150				
14	L CARNEY	9	146-180				
14	MASTERS	5	175-209				
15	U CARNEY	4	100-180				
15	L CARNEY	9	128-214				
15	MASTERS	4	147-253				
16	MONARCH	0-15	0-3				
16	U CARNEY	4-6	40-100				
16	L CARNEY	8-9	47-136				
16	MASTERS	6	65-185				
17	MONARCH	0-17	0-89	30-39WP	0-5.5		
17	U CARNEY	2-5	20-160				
17	L CARNEY	8-9	31-193				
17	MASTERS	4-6	64-237				
18	U CARNEY	0-4	15-45				
18	L CARNEY	2-6	15-61				
18	MASTERS	5	37-97	1			
19	U CARNEY	4-6	20-60	1			
19	L CARNEY	2-8	24-76				
19	MASTERS	5	56-124				
20	MONARCH	0-7	0-32				
20	U CARNEY	2-5	20-60	1		†	
20	L CARNEY	2-7	22-74	1		†	
	MASTERS	5	54-111			1	

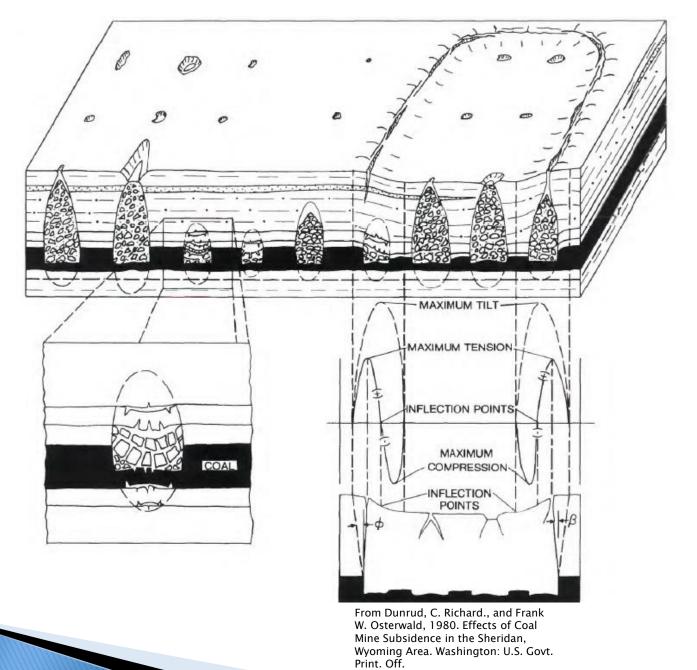
SUMMARY OF MINING AND GEOLOGICAL CONDITIONS

VARIABLE CONDITIONS

- COAL COVER DEPTH: 0-420 FT. (ALL SEAMS)
- COAL EXTRACTION HEIGHT: 2.5–20 FT. (ALL SEAMS)
- PANEL EXTRACTION: 60–70%
- MIN. PILLAR WIDTH TO HEIGHT RATIO: 1
- ROOF AND FLOOR: MAINLY CLAYSTONE

MINE SUBSIDENCE POTENTIAL





PIT SUBSIDENCE POTENTIAL - Complete Roof Failure

Consider Extraction Height: 14 ft.

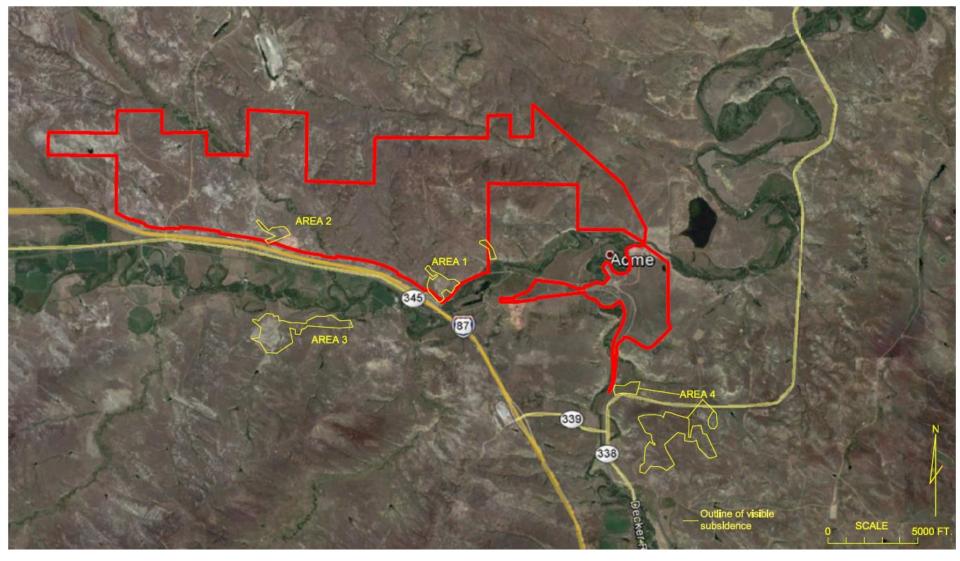
Room Width: 11–11.5 ft.

Claystone Roof

Chimney Subsidence Height → 220 ft.

NOTE: Does not include multiple mined seams with stack pillars

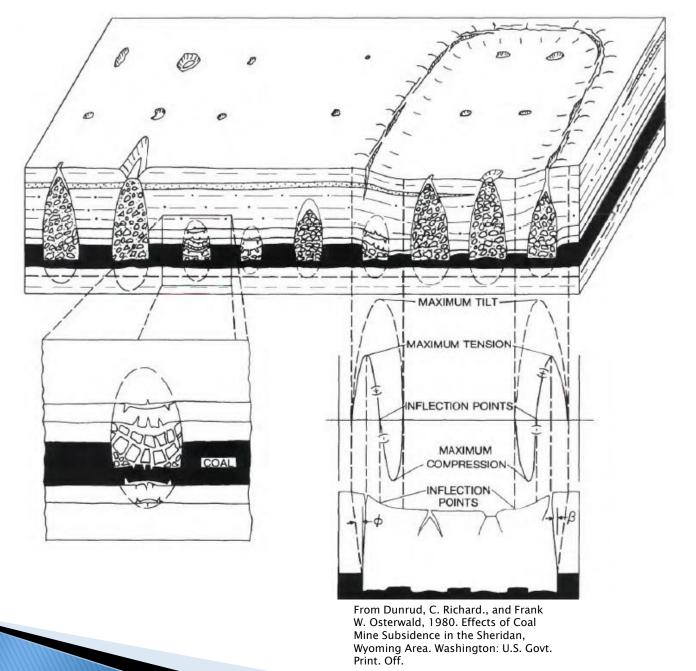




MINE APPLICATION BOUNDARY AND OUTLINE OF VISIBLE MINE SUBSIDENCE OVER EXISTING UNDERGROUND WORKINGS



AREA 1 MINE SUBSIDENCE FROM UNDERGROUND MINING OF THE CARNEY NO.44 MINE. MINE DEPTH IN NOTED SUBSIDENCE AREA RANGED FROM 50 TO 160 FT. (ADD_D5-4_EX_1_OVB_ISO_R1)





SAG SUBSIDENCE POTENTIAL - Pillar Failure

Pillar Pressure: up to about 1,300 psi

Safety Factor \rightarrow less than one in places

Notes: 1. No significant clay seam is assumed

- 2. Assumed bituminous coal strength
- 3. Assumed truly parallel entries
- 4. Acceptable safety factors based on coal heights of 7 ft. or less.

SAG SUBSIDENCE POTENTIAL - Roof/Floor Bearing Failure

Pillar Pressure: up to about 1,300 psi

Safety Factor → less than one in places

- Notes: 1. Claystone roof/floor ultimate capacity can be as low as 300 psi even with much larger pillars
 - 2. Yielding of the roof or floor can result in pillar collapse



CONCLUSIONS

- 1. Dearth of engineering, geologic, and geotechnical information related to the mine interval.
- Subsidence Control Plan exhibits a lack of geomechanical understanding of the short and long term stability on the proposed multi-seam mining.
- 3. With insufficient information and very limited analyses, the subsidence potential cannot be reasonably determined.
- 4. The submitted Subsidence Control Plan does not meet industry standards.
- 5. Given the reported information and based on my knowledge and experience, the proposed highwall mining has serious subsidence risk.