

不规则综采工作面回采的应用与研究

063104

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摘 要:随着开采强度增加,满足综采工作面布置要求的储量逐渐减少,遗留的不规则块段的储量较多,直接影响了综采工艺使用范围和煤炭采出率。为最大限度回收煤炭资源,将工作面不规则布置,为确保生产期间作业安全,对不规则开采进行了深入研究,采取合理支护方式维护好顶板,既提高了资源回收率,又积累了丰富的开采经验。

关键词: 不规则; 合理; 回收率

中图分类号: TU74 文献标识码: A

Application and Research of Irregular Fully Mechanized Mining Face

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Abstract: With the increase of mining intensity, the reserves that meet the layout requirements of fully mechanized mining face gradually decrease, and the reserves of the remaining irregular blocks are more, which directly affect the application range of fully mechanized mining technology and the coal recovery rate. In order to maximize the recovery of coal resources, irregular arrangement of working face, in order to ensure the safety of operation during production, irregular mining has been deeply studied, adopt reasonable support to maintain the roof, which not only improves the recovery rate of resources, but also accumulated rich mining experience.

Keywords: Irregular; Reasonable; Recovery rate

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1 工作面概况

1.1

1021	11	1000
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1.2

541m	105m
1.60~3.40m	2.50m 12~24°

18°

1.3

4.6m

1.69m

2.1

0.48m

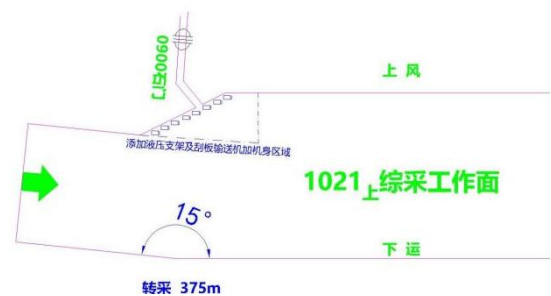
375m

1021

15°

1.52m

2.1.1



1					5				
		370m							
15°					24MPa				
					3 施工期间的技术措施				
					3.1				
2					1				
					2			40m	
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15			
16	T0		
T1		参考文献：	
17		[1] , , .	
		[J]. ,2011(8):8-10.	
18		[2] , , .	
		[J]. ,2013,30(1):19-22.	
19		[3] .	
		[J]. ,2011(4):48.	
20		[4] , , .	[J].
		,2006(11):7-9.	
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