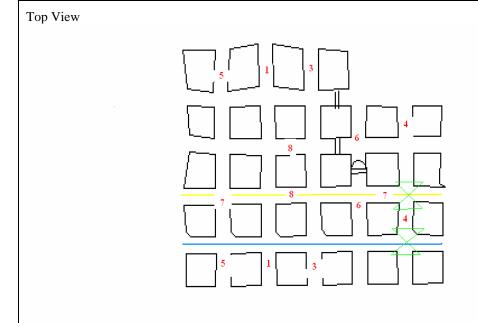
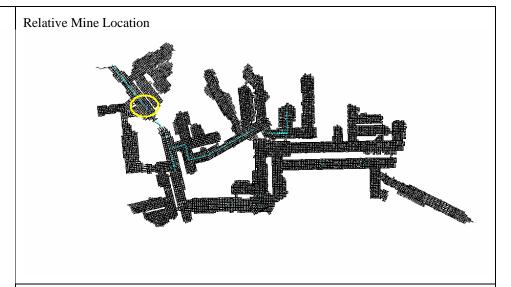
Equipment	Test	Comm	Distance Between	Entry/Crosscut Conditions						Entry/Crosscut Conditions				SIO Score
1.1	Site	Туре	Miners	Height	Width	Scenario	ario Notes							
Motorola CP-200 Portable Radio	2B	VHF	120'	264"	20'	8	Penetrate Coal Pillar	5-5-5						

Side Elevation



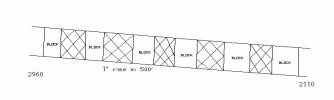


Second set of Miner to Miner Tests performed at in 22' seam.

Yellow = Leaky Coax

Blue = Belt

Red Numbers = Test Number relative to actual position. Two red number 1's pertain to positions of test 1 etc.



Name of Mine	
Remington Mine / Magnum C	oal

Equipment	Test Site	Comm	Distance from		Entry/Crosscut Conditions		SIO Distance from Surface		Number Amps/Nodes to Surface	
System/Miner	rest site	Туре	Backbone or Node	Height inches	Scenario	Notes	Score	Comm- Center	Comm- Center	
MST VHF Leaky Feeder	1A	VHF	70'	84"	20'	1	Uninterrupted line of site	4-3-4	6,300'	6



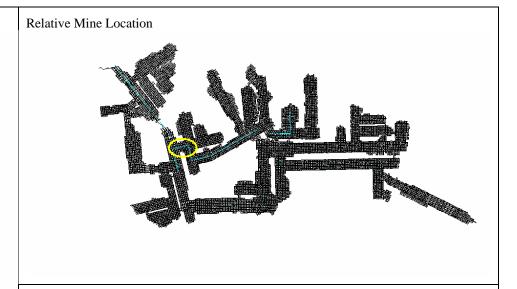
First set of Miner to Communication Center Tests performed at in 7' seam.

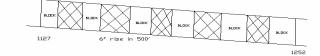
Yellow = Leaky Coax

Blue = **Belt**

Red Numbers = Test Number relative to actual position.

Test Site = 1A





Name of Mine	
Reminoton Mine / Magnum Co	ลโ

Equipment	Test Site	Comm	Distance from	Entry/Crosscut Conditions		SIO	Distance from Surface	Number Amps/Nodes to Surface		
System/Miner	rest site	Туре	Backbone or Node Height Width inches feet	Scenario	Notes	Score	Comm- Center	Comm- Center		
MST VHF Leaky Feeder	1A	VHF	40'	84"	20'	2	Curvature/no line of site	4-4-4	6,300'	6



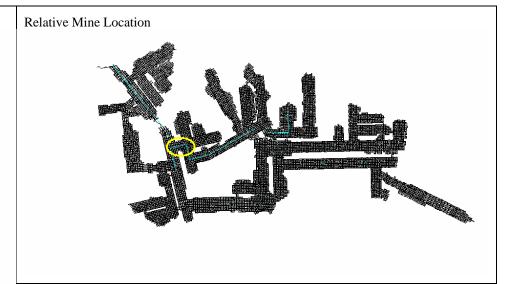
First set of Miner to Communication Center Tests performed at in 7' seam.

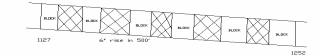
Yellow = Leaky Coax

Blue = Belt

Red Numbers = Test Number relative to actual position.

Test Site = 1A





Name of Mine
Remington Mine / Magnum Coal

Equipment	Test Site	Comm		Entry/Crosscut Conditions			SIO	Distance from Surface	Number Amps/Nodes to Surface	
System/Miner	rest offer	Туре		_		Scenario	Notes	Score	Comm- Center	Comm- Center
MST VHF Leaky Feeder	1A	VHF	140'	84"	20'	3	Belt between trancievers	1-1-1	6,300'	6



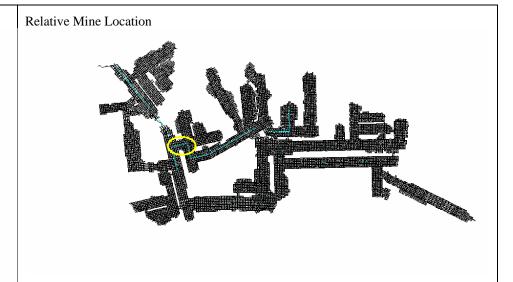
First set of Miner to Communication Center Tests performed at in 7' seam.

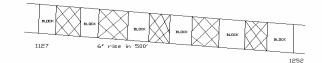
Yellow = Leaky Coax

Blue = Belt

Red Numbers = Test Number relative to actual position.

Test Site = 1A





Name of Mine
Remington Mine / Magnum Coal

Equipment	Test Site	Comm	Distance from		Entry/Crosscut Conditions		SIO	Distance from Surface	Number Amps/Nodes to Surface	
System/Miner	rest site	Туре	or Node H	Height inches	Width feet	Scenario	Notes	Score	Comm- Center	Comm- Center
MST VHF Leaky Feeder	1A	VHF	40'	84"	20'	5	Wire Mesh Roof	5-5-5	6,300'	6



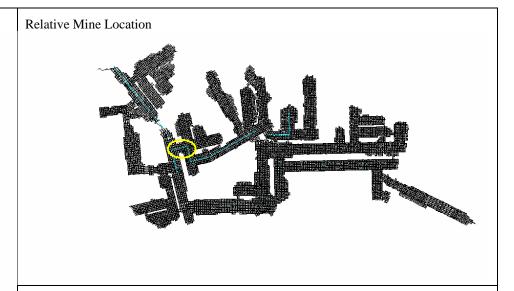
First set of Miner to Communication Center Tests performed at in 7' seam.

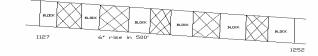
Yellow = Leaky Coax

Blue = Belt

Red Numbers = Test Number relative to actual position.

Test Site = 1A





Name of Mine
Remington Mine / Magnum Coal

Equipment	Test Site	Comm	Distance from	Entry/Crosscut Conditions		SIO Distance from Surface		Number Amps/Nodes to Surface		
System/Miner	rest site	Туре	Backbone or Node	Height inches	Width feet	Scenario	Notes	Score	Comm- Center	Comm- Center
MST VHF Leaky Feeder	1A	VHF	300'	84"	20'	6	Blocked by stopping	1-1-1	6,300'	6



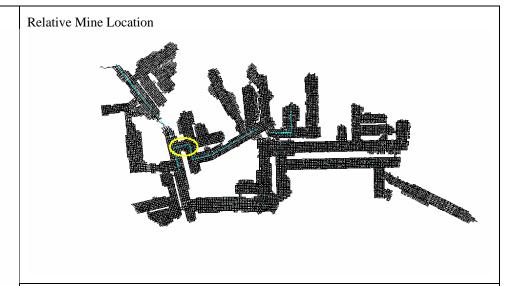
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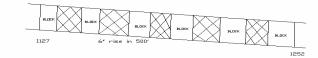
Yellow = Leaky Coax

Blue = **Belt**

Red Numbers = Test Number relative to actual position.

Test Site = 1A





Name of Mine
Remington Mine / Magnum Coal

Equipment	Test Site	Comm	Distance from	Entry/Crosscut Conditions					Distance from Surface	Number Amps/Nodes to Surface
System/Miner	rest offe	Туре	Backbone or Node	Height inches	Width feet	Scenario	Notes	Score	Comm- Center	Comm- Center
MST VHF Leaky Feeder	1A	VHF	50'	84"	20'	7	High Voltage Line Parallel	5-4-5	6,300'	6



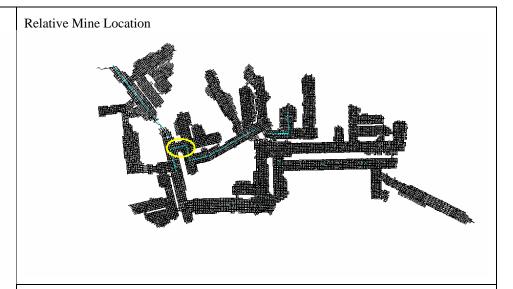
First set of Miner to Communication Center Tests performed at in 7' seam.

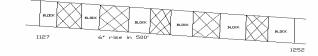
Yellow = Leaky Coax

Blue = **Belt**

Red Numbers = Test Number relative to actual position.

Test Site = 1A





Name of Mine
Remington Mine / Magnum Coal

Equipment	Test Site	Comm	Distance from		Entry/Crosscut Conditions				Distance from Surface	Number Amps/Nodes to Surface
System/Miner	rest site	Туре	Backbone or Node	Height inches	Width feet	Scenario	Notes	Score	Comm- Center	Comm- Center
MST VHF Leaky Feeder	1A	VHF	100'	84"	20'	8	Penetrate Coal Pillar	1-1-1	6,300'	6



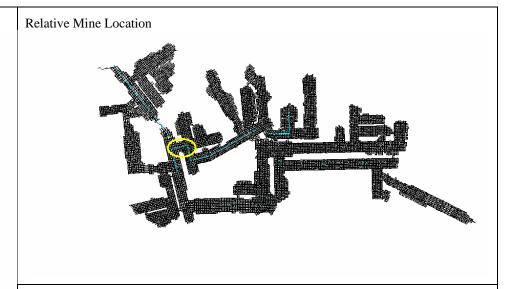
First set of Miner to Communication Center Tests performed at in 7' seam.

Yellow = Leaky Coax

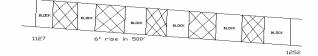
Blue = **Belt**

Red Numbers = Test Number relative to actual position.

Test Site = 1A



Side Elevation



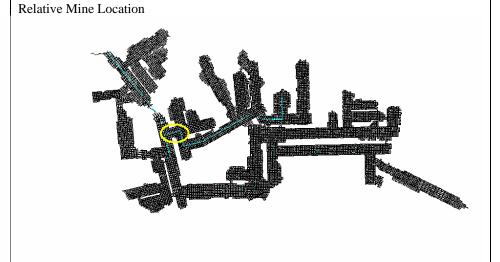
Name of Mine Remington Mine / Magnum Coal

Date of Testing June 27, 2007 Certifying Engineer John Rinehart P.E.

Equipment	Test Comm		Distance Between		E	ntry/Crosscut Co	nditions	SIO
	Site	Туре	Miners	Height	Width	Scenario	Notes	Score
Motorola CP-200 Portable Radio	1B	VHF	400'	84"	20'	1	Uninterrupted Line of Site	5-5-5

Side Elevation





First set of Miner to Miner Tests performed at in 7' seam.

Yellow = Leaky Coax

Remington Mine / Magnum Coal

Blue = Belt

Red Numbers = Test Number relative to actual position. Two red number 1's pertain to positions of test 1 etc.

Test Site = 1B

Name of Mine

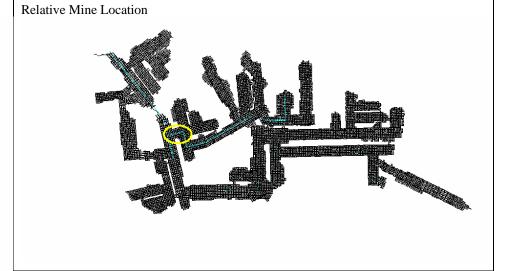
Date of Testing June 27, 2007



Equipment	Test	Comm	Distance Between		Entry/Crosscut Conditions			
	Site	Туре	Miners	Height	Width	Scenario	Notes	Score
Motorola CP-200 Portable Radio	1B	VHF	150'	84"	20'	2	Curvature/no line of sight	5-5-5

Side Elevation





First set of Miner to Miner Tests performed at in 7' seam.

Yellow = Leaky Coax

Remington Mine / Magnum Coal

Blue = Belt

Red Numbers = Test Number relative to actual position. Two red number 1's pertain to positions of test 1 etc.

Test Site = 1B

Name of Mine

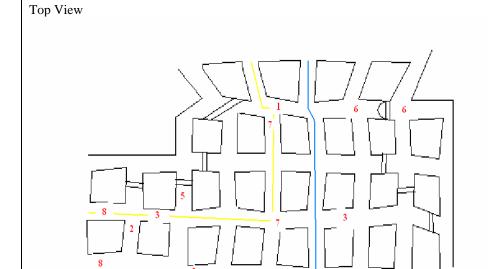
Date of Testing June 27, 2007

Certifying Engineer	
John Rinehart P.E.	

Equipment	Test	Comm	Distance Between		Entry/Crosscut Conditions			
	Site	Туре	Miners	Height	Width	Scenario	Notes	Score
Motorola CP-200 Portable Radio	1B	VHF	400'	84"	20'	3	Belt between transceivers	5-4-4

Relative Mine Location

Side Elevation



First set of Miner to Miner Tests performed at in 7' seam.

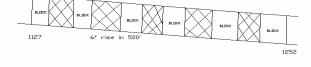
Yellow = Leaky Coax

Blue = Belt

Red Numbers = Test Number relative to actual position. Two red number 1's pertain to positions of test 1 etc.

Test Site = 1B

Name of Mine Date of Testing Remington Mine / Magnum Coal June 27, 2007

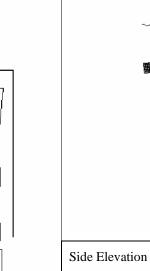


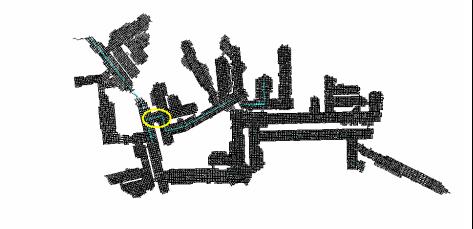
Certifying Engineer
John Rinehart P.E.

Equipment	Test	Comm	Distance Between		E	nditions	SIO	
	Site	Туре	Miners	Height	Width	Scenario	Notes	Score
Motorola CP-200 Portable Radio	1B	VHF	150'	84"	20'	5	Wire Mesh Roof	5-5-5

Relative Mine Location





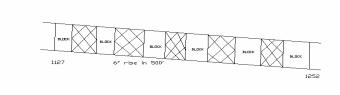


First set of Miner to Miner Tests performed at in 7' seam.

Yellow = Leaky Coax

Blue = Belt

Red Numbers = Test Number relative to actual position. Two red number 1's pertain to positions of test 1 etc.

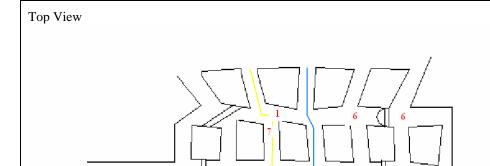


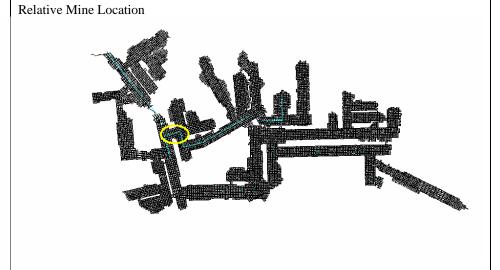
Name of Mine
Remington Mine / Magnum Coal

Date of Testi	n
June 27, 200'	7

Equipment	Test	Comm	Distance Between		Entry/Crosscut Conditions			
	Site	Туре	Miners	Height	Width	Scenario	Notes	Score
Motorola CP-200 Portable Radio	1B	VHF	100'	84"	20'	6	Blocked by stopping	5-5-5

Side Elevation





First set of Miner to Miner Tests performed at in 7' seam.

Yellow = Leaky Coax

Blue = Belt

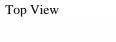
Red Numbers = Test Number relative to actual position. Two red number 1's pertain to positions of test 1 etc.

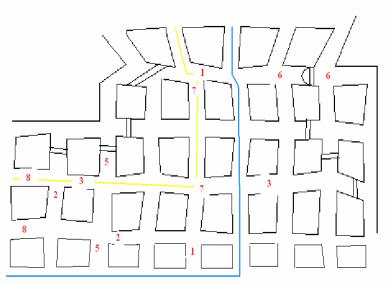
Test Site = 1B

Date of Testing June 27, 2007 Certifying Engineer
John Rinehart P.E.

Name of Mine	
Remington Mine	/ Magnum Coal

Equipment	Test	Comm	Distance Between		Entry/Crosscut Conditions					
	Site	Туре	Miners	Height	Width	Scenario	Notes	Score		
Motorola CP-200 Portable Radio	1B	VHF	200'	84"	20'	7	Parallel High Line	5-5-5		





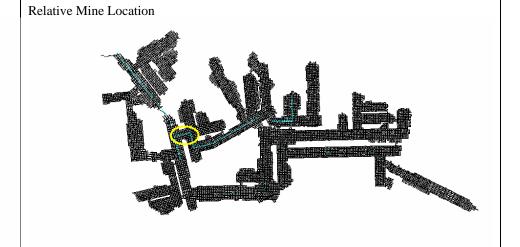
First set of Miner to Miner Tests performed at in 7' seam.

Yellow = Leaky Coax

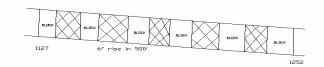
Blue = Belt

Red Numbers = Test Number relative to actual position. Two red number 1's pertain to positions of test 1 etc.









Certifying Engineer	
John Rinehart P.E.	

Equipment	Test	Comm	Distance Between		Entry/Crosscut Conditions					
	Site	Туре	Miners	Height	Width	Scenario	Notes	Score		
Motorola CP-200 Portable Radio	1B	VHF	120'	84"	20'	8	Penetrate Coal Pillar	4-4-4		





First set of Miner to Miner Tests performed at in 7' seam.

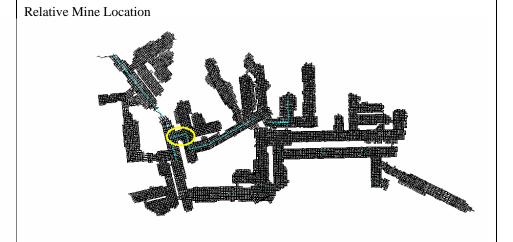
Yellow = Leaky Coax

Blue = Belt

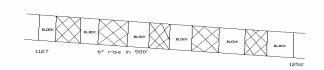
Red Numbers = Test Number relative to actual position. Two red number 1's pertain to positions of test 1 etc.

Test Site = 1B









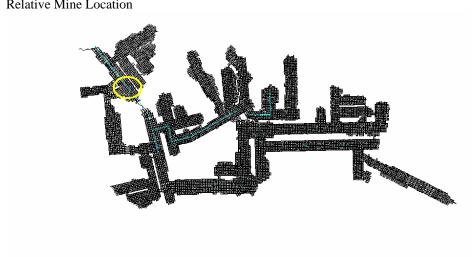
Certifying Engineer
John Rinehart P.E.

Equipment	Test Site	Comm	Distance from		Entr	ry/Crosscut	Conditions	SIO	Distance from Surface	Number Amps/Nodes to Surface
System/Miner	Test site	Туре	Backbone or Node	Height inches	Width feet	Scenario	Notes	Score	Comm- Center	Comm- Center
MST VHF Leaky Feeder	2A	VHF	150'	264"	20'	1	Uninterrupted line of site	5-5-5	3200'	3

Top View

Relative Mine Location

Side Elevation



Second set of Miner to Communication Center Tests performed in 22' seam.

Yellow = Leaky Coax

Blue = Belt

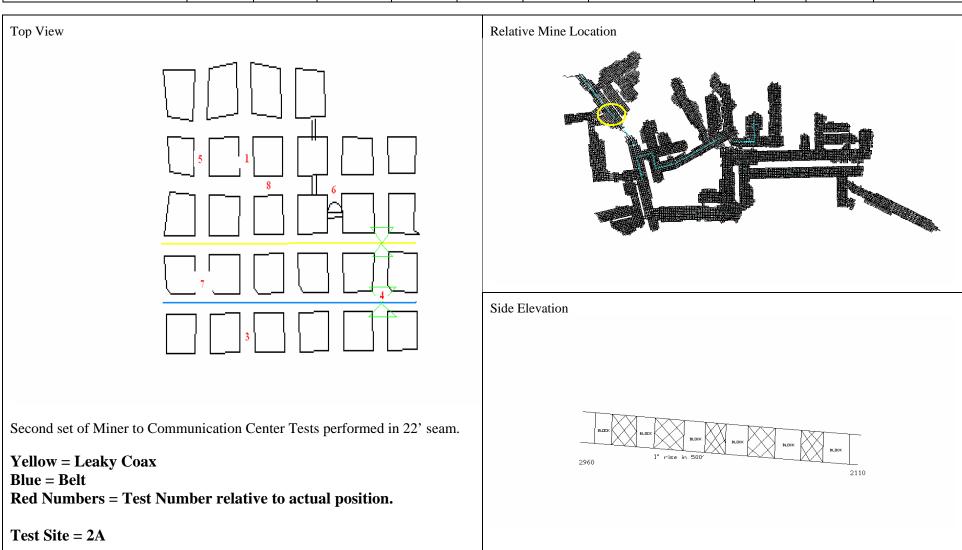
Red Numbers = Test Number relative to actual position.

Test Site = 2A

1" rise in 500" N.000 N.000 N.000 N.000 N.000 N.000

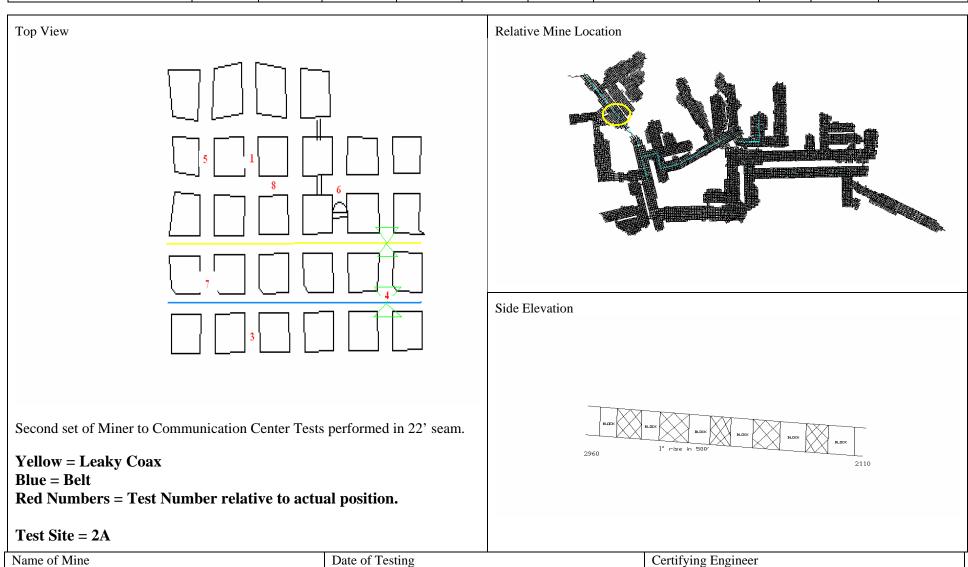
Name of Mine
Remington Mine / Magnum Coal

Equipment	Test Site	Comm	Distance from		Entry/Crosscut Conditions			SIO	Distance from Surface	Number Amps/Nodes to Surface
System/Miner	Test site	Туре	Backbone or Node	Height inches	Width feet	Scenario	Notes	Score	Comm- Center	Comm- Center
MST VHF Leaky Feeder	2A	VHF	150'	264"	20'	3	Belt between trancievers	5-5-5	3200'	3



Name of Mine
Remington Mine / Magnum Coal

Equipment	Test Site	Comm	Distance from		Entr	ry/Crosscut	Conditions	SIO	Distance from Surface	Number Amps/Nodes to Surface
System/Miner	rest site	Туре	Backbone or Node	Height inches	Width feet	Scenario	Notes	Score	Comm- Center	Comm- Center
MST VHF Leaky Feeder	2A	VHF	100'	264"	20'	4	Metal Overcast	5-5-5	3200'	3



John Rinehart P.E

June 27, 2007

Remington Mine / Magnum Coal

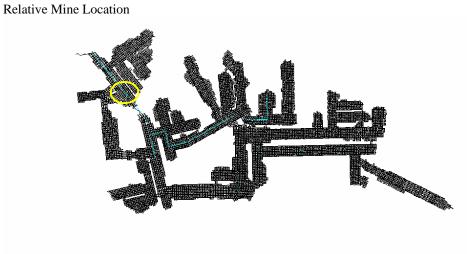
Equipment	Test Site	Comm	Distance from		Entry/Crosscut Conditions			SIO	Distance from Surface	Number Amps/Nodes to Surface
System/Miner	Test site	Туре	Backbone or Node	Height inches	Width feet	Scenario	Notes	Score	Comm- Center	Comm- Center
MST VHF Leaky Feeder	2A	VHF	150'	264"	20'	5	Wire Mesh Roof	5-5-5	3200'	3

Top View	Relative Mine Location
3	Side Elevation
Second set of Miner to Communication Center Tests performed in 22' seam. Yellow = Leaky Coax Blue = Belt Red Numbers = Test Number relative to actual position. Test Site = 2A	2960 1" rise in 500"

Name of Mine
Remington Mine / Magnum Coal

Equipment	Test Site	Comm	Distance from		Entr	ry/Crosscut	Conditions	SIO	Distance from Surface	Number Amps/Nodes to Surface Comm- Center
System/Miner	Test site	Туре	Backbone or Node	Height inches	Width feet	Scenario	Notes	Score	Comm- Center	
MST VHF Leaky Feeder	2A	VHF	60'	264"	20'	6	Blocked by stopping	4-4-4	3200'	3

Top View Relative Mine Location Side Elevation



Second set of Miner to Communication Center Tests performed in 22' seam.

Yellow = Leaky Coax

Blue = Belt

Red Numbers = Test Number relative to actual position.

2960 1" rise in 500' N.DOK 2110

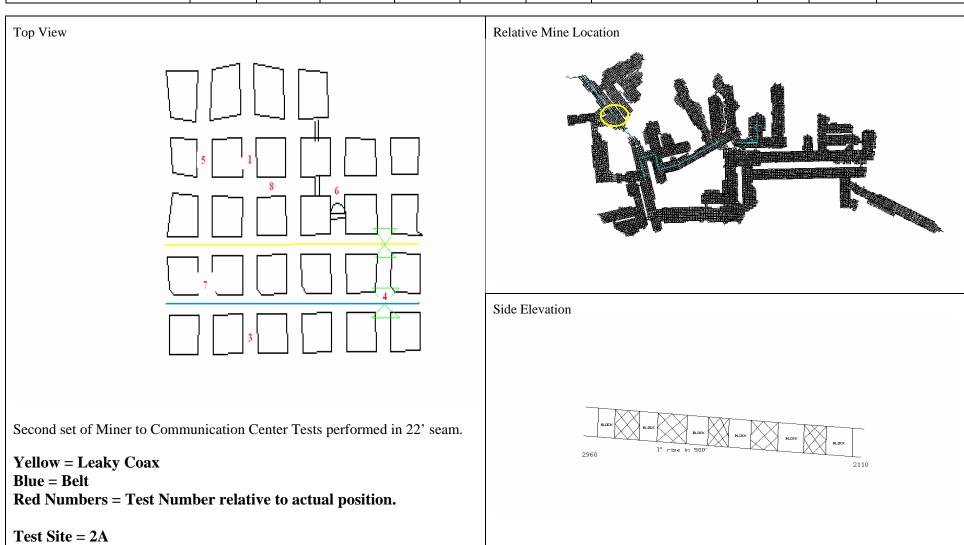
Name of Mine
Remington Mine / Magnum Coal

Toct Site		Comm	Distance from						Distance from Surface	Number Amps/Nodes to Surface
System/Miner	Test site	Туре	Backbone or Node	Height inches	Width feet	Scenario	Notes	Score	Comm- Center	Comm- Center
MST VHF Leaky Feeder	2A	VHF	70'	264"	20'	7	Parallel High Line	5-5-5	3200'	3

Top View	Relative Mine Location
3	Side Elevation
Second set of Miner to Communication Center Tests performed in 22' seam. Yellow = Leaky Coax Blue = Belt Red Numbers = Test Number relative to actual position.	1" rise in 500' 2960 1" rise in 500'
Test Site = 2A	

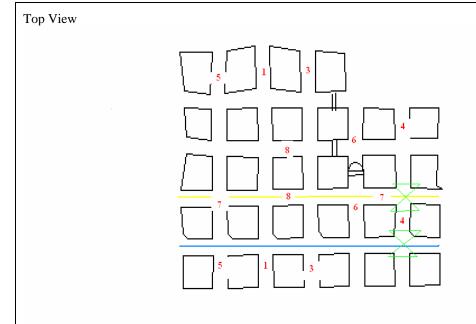
Name of Mine
Remington Mine / Magnum Coal

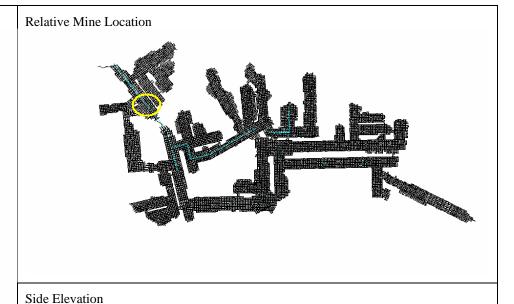
Equipment Test Site Comm			Distance from	n					Distance from Surface	Number Amps/Nodes to Surface
System/Miner	Test site	Туре	pe Backbone or Node	Height inches	Width feet	Scenario	Notes	Score Comm	Comm- Center	Comm- Center
MST VHF Leaky Feeder	2A	VHF	120'	264"	20'	8	Penetrate Coal Pillar	5-5-5	3200'	3



Name of Mine
Remington Mine / Magnum Coal

Equipment Test Site	Test	Comm	Distance Between	Entry/Crosscut Conditions					
	Site Type	Miners	Height	Width	Scenario	Notes	Score		
Motorola CP-200 Portable Radio	2B	VHF	400'	264"	20'	1	Uninterrupted Line of Sight	5-5-5	

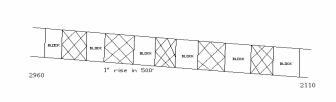




Yellow = Leaky Coax

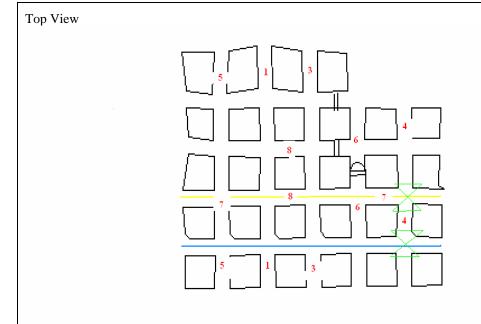
Blue = Belt

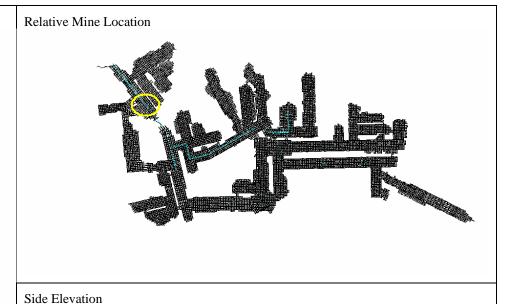
Red Numbers = Test Number relative to actual position. Two red number 1's pertain to positions of test 1 etc.



Name of Mine
Remington Mine / Magnum Coal

Equipment	Comm	Distance Between	Entry/Crosscut Conditions					
	Site	Site Type	Miners	Height	Width	Scenario	Notes	Score
Motorola CP-200 Portable Radio	2B	VHF	400'	264"	20'	3	Belt between transceivers	5-5-5

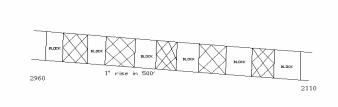




Yellow = Leaky Coax

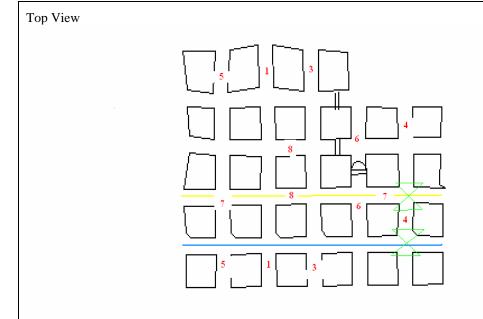
Blue = Belt

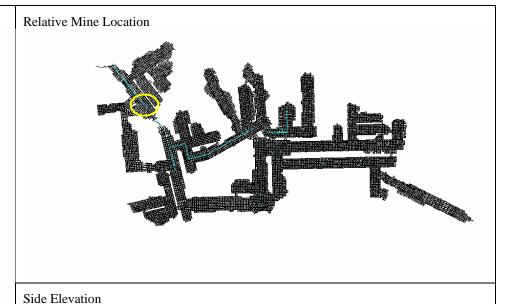
Red Numbers = Test Number relative to actual position. Two red number 1's pertain to positions of test 1 etc.



Name of Mine	
Remington Mine / Magnum Co	oal

Equipment Test Site	Comm	Distance Between	Entry/Crosscut Conditions					
	Site Type	Miners	Height	Width	Scenario	Notes	Score	
Motorola CP-200 Portable Radio	2B	VHF	200'	264"	20'	4	Metal Overcast	5-5-5





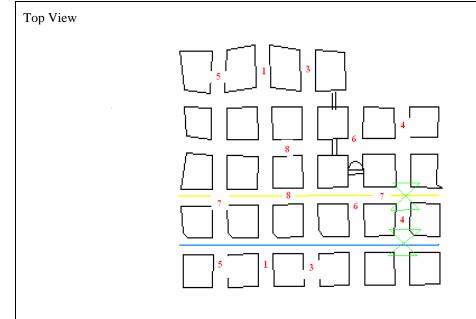
Yellow = Leaky Coax

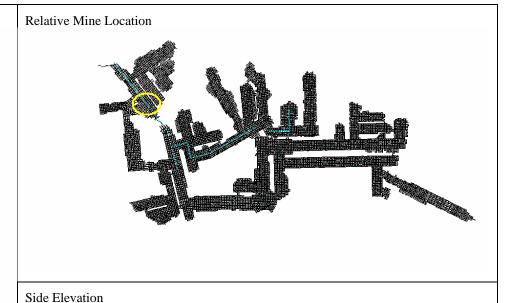
Blue = Belt

Red Numbers = Test Number relative to actual position. Two red number 1's pertain to positions of test 1 etc.

Name of Mine	
Remington Mine / Magnum Co	oal

Equipment	Test	Comm	Distance Between			Entry/Crosscut Conditions		SIO
	Site	Туре	Miners Height Width Scenario	Scenario	Notes	Score		
Motorola CP-200 Portable Radio	2B	VHF	400'	264"	20'	5	Wire Mesh Roof	5-5-5

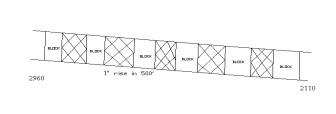




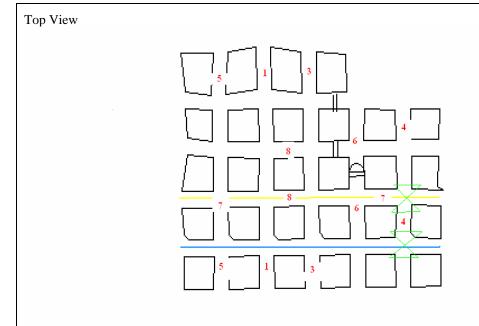
Yellow = Leaky Coax

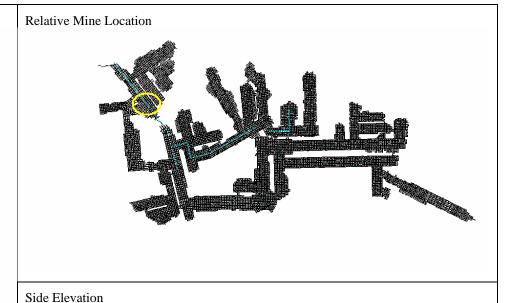
Blue = Belt

Red Numbers = Test Number relative to actual position. Two red number 1's pertain to positions of test 1 etc.



Equipment	Test	Comm Type Distance Between Miners Height Wi			Entry/Crosscut Conditions				
101	Site		Width	Scenario	Notes	Score			
Motorola CP-200 Portable Radio	2B	VHF	100'	264"	20'	6	Blocked by Stopping	5-5-5	

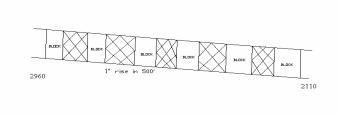




Yellow = Leaky Coax

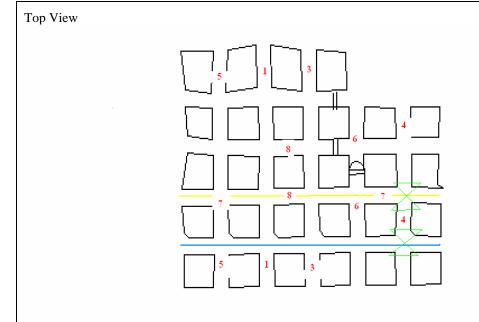
Blue = Belt

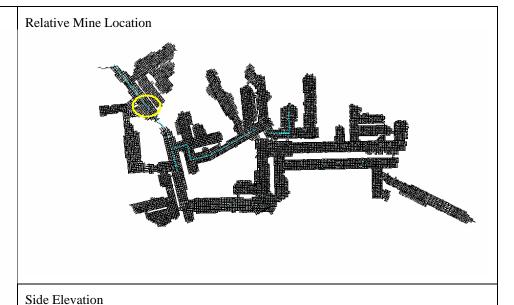
Red Numbers = Test Number relative to actual position. Two red number 1's pertain to positions of test 1 etc.



Name of Mine	
Remington Mine / Magnum C	oal

Equipment	Test	Comm	Distance Between			nditions	SIO	
	Site	Туре	Miners	Height	Width	Scenario	Notes	Score
Motorola CP-200 Portable Radio	2B	VHF	300'	264"	20'	7	Parallel High Line	5-5-5

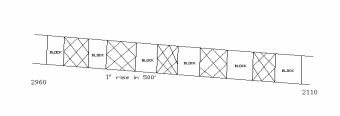




Yellow = Leaky Coax

Blue = Belt

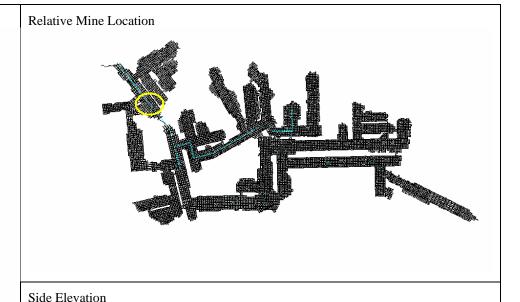
Red Numbers = Test Number relative to actual position. Two red number 1's pertain to positions of test 1 etc.



Name of Mine
Remington Mine / Magnum Coal

Equipment	Test	Comm Type Distance Between Miners Height			Entry/Crosscut Conditions				
	Site		Width	Scenario	Notes	Score			
Motorola CP-200 Portable Radio	2B	VHF	120'	264"	20'	8	Penetrate Coal Pillar	5-5-5	





Yellow = Leaky Coax

Blue = Belt

Red Numbers = Test Number relative to actual position. Two red number 1's pertain to positions of test 1 etc.

Name of Mine
Remington Mine / Magnum Coal