

7:07 Rescue Teams Being Assembled
Team Mantripping From Zone #1 Portal To Zone 10 Intersect

7:08 3929 Co @ 09 Ch4 Bandy Camp Fan
7:15 Busted Line Cutting Water To Mine

6:15 PM FOB Established @ Break 78 / Zone 10
Vent Controls Destroyed In by 78

7:10 Rob Asbury / Chris Blanchard / Jason Whitehead FAB 78 Br.

Break 15 on Mother Drive (3 Victims) No Rescuers Downed
Track Entry Traumatic Injuries Just In by Cross Over
Cache @ LW Is Empty Sled 1

Tail Side Most Severe Damage
Feed Side Not As Bad

7:22 Looking For Shelters

20.802 High Co No Ch4 + Cut

7:25 Keith? Taking ~~off~~ Over Com Center

6:45 Tailgate side Air To Bad

Mr. Team 3 @ FAB 3 @ Mother Drive

North Portal ~~6:40~~ 7:00 - 7:22 PM
7:10 - 7:22 PM

#1 Entry

#2

#3

88.5 x 1100

773,500

86.94 x 270

23473.8 CFM

83.2 x 289 = 24044.8 CFM

20.802

0 Ch4

0 Co

#4 Fan

1000 x 5250 = 5250 840,000 CFM

#5

92.4 x 771 = 71332.5 CFM

7:17 Bandy Faw 39.?? Co No CH₄

7:42 Teams Briefed & Ready To Enter

7:30

7:48 @ FAB

4 member Travel To Longwall Headgate Side

2 - Track Entry ~~2~~ ~~2~~ ~~2~~ ~~2~~

2 - Intake Entry

2 @ FAB

7:45 Lights Flashing On Phone Do Not Know Source
↳ Outside Phone @ Unice

7:50 Keith Heimer
John Cruise
~~60030000~~

8:05 PM North Portal 7:40 - 7:51 Readings

#1

$86.5 \times 102.5 = 90,712.5$

O CH₄

O₂ 20.8

CO O

#2

$82.94 \times 230 = 19,996.2$ CFM

#3

$83.20 \times 267 = 22,214.4$ CFM

#4 Fan Entry

$160 \times 6035 = 965,600$

#5

$92.4 \times 810 = 71,322.8$ CFM

8:07 78 FAB walk Intake Outby
Request To For White Head & Blawhiser
Answer: ~~Be~~ Hold Down ~~They~~ They Need Escorted
Both Were Under Heavy CO Exposure

8:10 Phone Check

8:11 Wayne Persinger / Unice Side

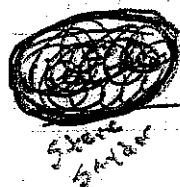
Relaying Joe McKee will be contacting Link on Land Line

8:14 Chris Adkins Taking over Keith Heimer @ Command Center

8:15 ICG MR Team Arrived

4-2-10
PS3

8:18 @ 92 Break Advancing (White head)



Outby Mother Drive
2 Intake / 2 Neutral Track MR Members Path of

Some Sate Poor Visibility

P2 Sled Moved From Cross Cut

5-7 Breaks Inby Location of

Very Stopping Out More Damage to Tail Than Head

Air Movement Inby Direction

20.8 O₂

0 Chy

High Co

Max Reading

> 92 Break?

(Info)
(Recap) Recuers From Sled 1 No Tops Popped
~~XXXXXXXXXX~~

8:21 @ 98 Break Towards Mother Drive

Maxed so Radio - Now Relaying

20.8 O₂

0.05 Chy

Reported @ ≈ 8:28

* 0 Co PPM

8:29 Advancing To Longwall. Report Back In 30 min
Without Communication ~~XXXXXXXXXX~~

8:30 East KY Team Arrived

8:32 ~~XXXXXXXXXX~~ Mark - Team Captain - Advance To Furthest Most Point
5 Member Heat Packed Over - Knox ~~Creek~~ Creek Team

8:34 Advance To Furthest Most Point To Head Gate 22
Looking For Shelter @ Miner Section

8:43 ~~Knox Creek~~ Knox Creek Have No Advanced To Miner Section
Kentucky Should Be Back Up

8:47 Knox Creek Team Advancing To Miner Section
Kentucky Should Be Back Up

North Portal Readings

8:10 - 8:20

139

#1

$$99.5 \times 1080 = 9,5880 CFM$$

20.8 O₂

0 CH₄

0 CO

#2 ~~20~~

$$86.94 \times 280 = 24343.2 CFM$$

$$\#3 83.2 \times 271 = 22547.2 CFM$$

#4 Fan

$$160 \times 6087 = 973,920 CFM$$

#5

$$92.4 \times 818 = 75583.2 CFM$$

8:45

Bandy Town Portal

4750 CO

0.4 CH₄

8:52

Knox Creek Team Has Not Left

5 Members For Back Up

15 Inby Distribution Mike Concerns

~~2000 Inby~~ =

8:57

FAB Advancing To 98 Break

59:062
19673 Spd #

1 Break Inby on Track

8:58

Phone Intact @ ~~2000 Inby~~ 500 Inby Inby 78 Break

3 Breaks Inby X

~~2000~~

~~Knox Creek~~

* Team Advancing To L.W. Needs Update (9:05)

9:05

All Unnecessary Phones Are Dis-Connected

9:07

Preparation Being Made To Notify Families
& Later The Press (MHA/State/Companies Reps)

9:08

Knox Creek Advancing To Miner Section

9:10

4 Break From Mother Drive Good Air

9:12 10000 Cfm. Knox Creek Back From MR Team Advancing
Up Long Hill

9:13 @ Advancing Phone Line Inby FAB

HT 1
RGS

Fan 9:10 Bandy Town Fan

4450 Co
0.4 Chf
20.02 Oz

Outside North Portal All Good

Dispatching 2 MR Teams

ICG ^{Black Gibson} (From Outside)

Being DeBriefed 9:17

~~Kingston Resources~~

For Entry Of Mine

ICG -

~~Kingston~~
State Team B. Tucker

9:15 Asbury Team Advancing Up LW (Needs Reporting In)

9:24 Two State Teams Advancing Up To 98
At 82 Proceeding To 88

9:27 Mike Alexander @ In Communication With Asbury Team
20.8 Oz
0 Chf
0 Co

9:29 Advance FAB ^{SP-1} To 19558 1 BK Inby Track Entry
Break 101

9:31 Knox Creek Team @ Mother Drive Pushing Forward Miner Section

9:30 Bandy Town Return
4350 Co
0.4 Chf
20.02 Oz

11:00 Victor @ Inby Head Drive
20.19 Co
0.4 Chf
FAB

North Portal

9:25 937

#1 89,246.5 CFM

0 Chf

0 Co

20.8 Oz

#2

21,995.82 CFM

0 Chf

0 Co

20.8

6 Mantrip

1 Hospital

3 Track

7 (Break Early Mother)

~~7 (Break Early Mother)~~

9:40 State Team @ F A B

#3 20,966.4 CFM

0 Chf

0 Co

20.8 Oz

#4 953,760 CFM

0 Chf

0 Co

20.8 Oz

#5 28,078 CFM

0 Chf

0 Co

20.8 Oz

9:40 State Team (Eagles) Advancing Exploring Intake
For LW Btu 98 & 101 Break

9:47 K ~~SS~~ Knoxville Team
2 Breaks Out by Glory Hole Going Under
Appertul
SS Co PPM

9:50 PM Request For Feedback From Asbury (Headgate
LW Team)

9:52 PM Request For Jack Rose -

9:55 PM Bowly Town Return

4,050 Co

0.4 Chf

20.02 Oz

9:47 49 MR Members In Mines
+ Blanchard, Whitehead

9:58 Asbury Team 3 Victims @ 67+00 - Located on Longwell
On Longwell

(2nd) The 3 victims were ~~identified~~ by Blanchard in Train

10:07 Head Gate 22 Moath
122 DPM Co
20.7 O₂
0 CH₄

10:07 ^{SCSR} Rescuer S/O 228219 Victim In by Mother Drive
Single Victim By Mother Drive On Belt Not Activated

10:11 State Team (Eugene) Instructed To Check All Entries
20.9 O₂ In Intake Cross Over
0 CH₄
0 PPM Co

~~10:10~~ Bandy Town 10:15
3550 Co
20.02 O₂
0.4 CH₄

10:14 Asbury ^{LW Teen} ~~67100~~ Four Breaks In by Station 67603
20.8 O₂ 2691 Spd Deeproot Point
35 PPM Co OF Advancement
0 CH₄ 7 Brakes From of LW Face

10:17 "North" State Team On Standby

10:23 Knox Creek Team "Glory Hole Headings"
774 Co PPM
20.2 O₂
0.0 CH₄

0:25 #7 Head 19883 John Kentucky Team
20.8 O₂
0.0 Co
0.0 CH₄

10:31 Made Decision To Validate Head Count
& Better Determine ~~Location~~ Unaccounted

128

10:32 Bill Tucker & ICG Team @ Block 78 Progressing On Fast
Foster & Lando Staying At Newtrip @ FAB
Track Blocked By Pebri

10:34 Engine ~~Gate~~ Team Middle of Cross Over
20.9 O₂ Moving Toward Head Gate Side
3 PPM Co
0.0 CH₄

North Portal 9:55 - 10:15

#1	91,155 CFM	0% CH ₄	20.8 O ₂	0 Co
#2	25,038.72 CFM			
#3	22,713.6 CFM			
#4 Fan	1,112,480			
#5	72,164.4 CFM			

Bandy Town 10:30
2800 PPM Co
0.4 CH₄
20.4 O₂

10:40 PM 10 Brecks Out by Glory Hole

~~Knock Creek~~ Team Low On Air
Changing Teams (East Kentucky Team)
Advancing To Headgate 22

Low max AIR
M. Jackson 700

10:42 Asbury Team (Request Status) By Command
10:47 Still Bare Faced (Asbury Team)
1 Victim @ Stage Landon

4
1
3
1
1

10:53 22 Unaccounted For MIA / we have found 12

~~12~~

10:55 Welch & ICG Team Arrived To FAB

10:55 Advancing North Side Team # 22 Headgate

10:57 7 Unaccounted For @ LK 3

Bandy Town 11:00

2,000 Co
0.5 chf
20.1 Oz

ICG

11:08 State "Engine" Explored Cross Over

20.9 O₂
0 Chd
3 FPM Co

Progressing Up 22 ^{New} Tailgate Side
Of Developing LW Section

11:08 Asbury ^{Team} Going Across L.W Face with 2 Inspectors

~~Kinnick~~ Team
11:18 Asbury Team Located Chamber Not Deployed
On Longwall

11:20 Ferguson Team 1 Break In by Overcast - Progressing To
Section Only Team Under Air

Bandy Town 11:15

1550 Co
0.2 Chf
20.7 Oz

11:26 Owens 2360 Low Man On Ferguson's Teen

North Portal

1) 104,023 CFM 0% CH₄ 20.8 O₂ 0.0 PPM CO
2) 24,343.2 CFM
3) 22,380.6 CFM
4) 51,939.0 CFM
5) 87,410.4 CFM

11:12 Ferguson's Reading
14.7 O₂
8676 Co
3.3 Ch₄

Headgate 22 Panel
L 3 Breaks In By Miner Panel

Fig 10

11:34 2000 O₂ @ 101 1 Break Out by Mother Drive
0 Ch₄ Air Mains In by
0 Co

11:36 Knux Creek 70 Breaks In by 101 FAB & Retreating
Down Intake Entry

11:37 Ferguson Team Head Gate Panel 22
Heavy Smoke 4 Break In Belt Head
5388 Co 20050 SPD#
0 Ch₄
7.4 O₂
80° F

Bandy Town 11:30 PM

~~Knux Creek~~

1400 Co
0.3 Ch₄
2077 O₂

11:42 Eugene White Retreating to FAB Bare Faced

11:46 Asbury Team Moving Across Face

Shield #85 2 Victims
Shield #103-105 4 Victims

New Info 12 1 Mother Drive 12
4 4700 2
1 @ 5000 4
@ Across Face - 0

11:47 Knux Creek Arrived At FAB

Chlorine Room

Chlorine Hole Head

770 PM

80° F

201-25.2 Co

Ch₄

Brotherman 44 is

AK stepping down toward Solid Rib

Ref

11:49 Instructions
Knox Creek Retreat To 78 Break & Mantrip
Along Intake

11:51 6 Breaks In by FAB / Break # ~~200101~~ 105
20.8 O₂
0 Co
0 CH₄

11:53 New FAB @ Break 105

11:55 Jamie ~~for~~ ^{guss} Team
22 Breaks In by Section Switch
6 Victims No SCSR Deployed
1 Entry Right Of The Belt

12
2
4
6

22
04
17
Underground

11:45 Band Town Readings

2,450 Co
0.2 CH₄
20.7 O₂

12:00 2450 P₀ PPM
Midnight 0.2 CH₄
20.7 O₂

11:57 State (Eugene) Back At FAB

Air Flow On Back

Cross Over Entry All Stopping Cord

Air Flow From Head To Tail Entries

12:00 AM Mat Owens Low Man 1840
Retreating To Fab

Im mine
5 Un Accounted
3 Head Gate 22
2 LW Face

12105 Asbury Team Status Request

B12

Coils		Morgan: Shield Frames
Poice		Krunker Utility Assist
Porsinger		?? Bolting
Mulkens	H.G	
Skinner	Elect	
McRass	Elect	
Lane	Foreman	
Baile	Utility	

12:10 Appx 10 Breaks Inby FAB with Full Air Reserve

12:11 Moving Phone Losing Communication For 3 Minutes

12:14 New FAB Established

12:16 Fergusson Team @ Section Mantrip For Head Gate 22 Section
 { 9,889 Co 22 Breaks Inby Section Switch
 { 3.2 Oz 6 Badlies Were In Mantrip
 { Over Range Chk Inby End of Mantrip
 Top Blown OF

State Southern Team At FAB

12:22 Knox Creek Team @ Mantrip Block 78
 Intake Investigated All Clear

12:24 ~~12:24~~ Long Wall Reviewed SF Victims

1 Mother
 4 GT+00 - Note Originally Noted 3 Victims
 1 Stage Loader
 4 Across Face

Only made into shield # 120
 High Methane 2%+-

12:15 Bandy Town

1513

2350 Co

0.3 Chy

20.9 Oz

12:32 Conference

5 Un Accounted For

1 CW

4 @ Section

12:36 = ICG Team 1 Man Needs To Retreat
Stress

12:37

Jane Ferguson

- Heavy Smoke 16 Brass In

- Could Not Detect Flow Direction

- All Detectors The Team Had Placed on Chy @ 5 Co

99.92 Co

Chy

3.2 Oz

Bandy Town 12:30

2200 Co

0.2 Chy

20.9 Oz

State Welch 7

State Southern 4 13

Asbury 6 19

Knox Creek 1 20

ICG 5 25

State North 6 31

East Ky 6 37

Making To ICG 2 EKY 40
mantrip

Blancher

Whitehead

MSHA 3 Kick Cook with

Knox Creek 35

30 45

12:45 Pulling MR Teams Out Of Mine 1314

12:45 Bandy Town

2200 Co

20.8 O₂

0.3 CH₄

1:00 Bandy Town

1700 Co

20.5 O₂

0 CH₄

1:00 Review Of Map To Create A Plan
For Drilling Monitoring Holes

Bandy Town 1:15

1500 Co

0.2 CH₄

20.7 O₂

1:30 Bandy Camp

1066 Co

0.2 CH₄

20.1 O₂

Bandy Town 1:45

Pg 15
4-5-10

1074 Co

0.4 Ch₄

20.7 O₂

✓ 4:55 AM Starting UG VIA 5 Mantrips

Jeremy: Central Communication
McClung

Jason: Mapp Man
Whitehead

4-8-10
Pg. 1

✓ 5:31 @ Switch Heading To Block 42
"Ellis Switch" "Set 14" 2 Notified By Rob Asbury

✓ 5:48 @ Break 42 Seals Intact No H2O In Trap
16.6 Oz > Out Of Water Trap VIA Jason
0.25 Ch4

Mainly Line Air Is Clear

Am ✓ 5:50 Cleared To Proceed In by Team 1

✓ 6:13 @ 78 Break Team 1 Wait For Team 2 Before Proceeding
"All Teams" Meet @ 78 FAB

6:31 ~~Phone Line~~ Intake Phone^{line} @ Break 81
Branch Line ~~Line~~ Served Via Shane McPherson

6:37 Teams Are Directed To Use Radio For Comm. & Leap Frog Phone Lines To Out by Mule
Train & Establish FAB "Make Sure"

✓ 6:45 4 Full Caches (10 each) & 1 Cache with 8 missing Total 42
~~Caches~~ No Chamber @ Location "Block 52"

6:50 Instructed To Continue From 78 Break Towards 110 & Contacting
Command Center @ Previously Established Contact Points Stations,
Then Re-Establish Main Line Phone Before Progressing.

6:56 ~~Team~~ Now Leaving & Progressing Towards 110

Note: Jeremy Connected Shelter @ Break 89 Is "Non Existent".

7:06 At 88 Break Connected Deep Water Where Shelter Should Be.
0 Co 0 Ch4 20.8 Oz

7:08 Team Proceeding Toward Break 110

7:35 "Rob" @ 100 Break 1 Break In by 89 (90 Break)
0 Co 0 Ch4 20.8 Oz Shelter Destroyed (Confirmed Sp4
1985)

2 MR New @ Phone ~~(Break 89)~~ By Mother Drive Rest Crew
Lay Phone Line Along Head Gate Entries ~~To~~ To The Treat
Switch.

7:50 @ 105 Break
O Co O CH₄ 20.8 O₂ Movement Is Inby But Weak

7:52 Directed To
Instal Phone Line From 105 & Travel Head Gate Entries

8:00 John Bell Sonny Goodyear @ Phone Remainder Laying Phone Line
& Traveling Toward Long Wall In Head Gate Entries.

8:02 Splicing In A Spool (No Phone Contact For Short While)

8:04 Resumed Contact & Started Moving Inby

8:15 Check On Teams Status CREW Advanced To 1 Break
Outby Track Switch

8:22 O Co O CH₄ 20.8 O₂ ~~At Track Switch~~
Air Moving Inby Direction (Slight Movement)

8:25 Splicing New Spool of Phone Line @ ~~22548~~ ~~Spool #~~ 22563 spool
where old ~~1000~~ Belt & Track Come Together. O Co O CH₄ 20.8 O₂

8:22 Advancing Phone Line & Phone Is Advanced To 22563 spool

8:38 Advancing Phone Line Inby Towards LW Area

8:45 Jim Ardenik Status Check & Air Reading @ 13 1/2 Break
O Co O CH₄ 20.8 O₂ Movement Inby

8:57 6700 Splicing Phone Line & Advancing #14 Break
of Head Gate Entries

9:02

24

9:04 O Co O CH₄ @ 20.8 O₂ @ 12 1/2 Break (22625 1 BF outby)
Broke Phone Line Short (out of Respect).

9:06 ~~Attached~~ Attached 1000 Ft Roll of Phone Line To Carry
Service ~~to the victims~~. Past Victims

9:13 ~~Last Roll~~ To 1 Break Inby 22649 @ 22656
Extending Phone Line.

9:18 Re Establish Communication

9:20 Advancing Line To 1 Break Outby Mule Train

9:28 TRR Team Has

9:28 Reports On Borehole Samples Indicate Explosive
mixture.

9:29 AM Borehole Readings Have
Reached Explosive Mixture
And ~~MR~~ MR Teams
Are ~~Ordered~~ Ordered To Evacuate
The Mine. Immediately

9:32 Retreated To FAB @
Spad 22656

9:32 Continuing Retreat

9:44 ^{MR Teams} Retreated To Mouth of L.W Break 105
Requested To Continue Treat To
78 Break

9:44 Permission To Proceed.

10:07 MR Teams @ 78

Request To Come Outside
VIA Mantrip.

Permission Granted

12:42 AM MR Teams Started In Mine VIA ~~REVERSON~~ 2 Teams

1:07 MR Teams Check In @ ~~Break 78~~ (Ellis Switch)
CO

* 1:14 Clearing Communications On ~~Break 78~~ Ellis Portal - No Other *
Mine Phone Usage MR Only ☒ Security Activated
@ To Maintain ~~Break 78~~ Privacy

1:28 MR Team Check In @ Break 78 Will Notify When
MR#1 Continues In

1:32 @ Break 78 Advancing To FAB (Team #1) (Team #2 Stays)
O Co O Ch4 20.8 Oz (FAB @ End of Mule Train ~~Break 21~~)

2:27 @ Mouth of Long Wall @ Main Line Switch
O Co O Ch4 20.8 Oz Progressing To FAB

~~2:40 Nitrogen Trucks May~~

2:43 1 Break Behind Mule Train Break ~~78~~ / 6 Spad 22654
O Co O Ch4 20.8 Oz Permission To Close Descretion
O Co Choosing New FAB In by Mule Train

2:50 1 Break Out by Perm Phone. FAB Being Established 1 Bk
In by Mule Train. (Checking Rescue Chamber At This Time)
(FAB 30ft Out by Spad 22701)

2:55 Permission ^{Granted} To Disconnect Phone And Stretch Phone Line
To Head Gate of LW Pannel.

3:00 New FAB ~~At Mouth of LW~~ Spad 22738
O Co O Ch4 20.8 Oz 1 Break Out by L.W Face

3:02 Advance From 22738 Spad (2 Breaks) To Establish
FAB Straight Across - Cross Over To Gate 22 section
Investigating Shelter.

- 3:15 Item 24 @ Stage ~~Loader~~ Confirmed
 0 Co 0 CH₄ 20.8 O₂ Flow Is Inby Weak Flow To Bleeder
- 3:23 FAB @ Spad 22771 Operational
- 3:34 4 Brk Inby ~~FAB~~
 30 Co 0 CH₄ 20.8 O₂ Flow Is Inby To Bleeder Fan
- 3:36 4 Br Inby FAB X BTW 3 Entry → 4 Entry
 300 Co 0.1 CH₄ 20.8 O₂
- 3:38 Going Under Air
 Benton 2580 Low Man (3:52) Low Man
- 3:42 Rescue Has Not Been Deployed & Intact. Look Good
 940 Co 0.0 CH₄ 20.8 O₂ Flow (Stagnant Air - No Movement)
- 3:44/3:45 Returning To FAB Spad 2271
 3:50 @ FAB Both Teams
 Objective Is To Move FAB To #4 Entry of Mouth of Cross Over
 To Head Gate 22 Section ~~Bring Line As You Go~~
- 3:52 Dispatched Objective To MR Teams
 Also Instructed To Explore All Entries Every Other
 Set of X-Cuts In Cross Over.
- 3:55 Instructed
 Move From FAB Thru X From 2-4 & Get Air Check
 * Take Phone Line As You Go (Not Connected To Phone)
- 4:10 MR Team Reporting Light ~~Smoke~~ Smoke When Moving
 Lt To Right 4X ~~(Puts Then In #5 Entry~~
 In Line with Spad 22771) Star
- 4:12 Light
 Smoke started In ~~#22771~~ #4 Entry Spad 2413
 280 Co 0 CH₄ 20.8 O₂
- 4:15 Instructed To Check All Entries ~~of~~ of Cross Over
 In #4 Entry

4:18 Instructed To Visually Check Stoppings In The Entries of
The Cross Over To 22 Head Gate (Acknowledged)

4:19 Team Preparing To Cross From 4 To 1 / Break In By Cross Over
280 Co OCH₄ 20.8 O₂ ← #4 Entry (Spd 2413 X Cuts ~~Set~~)
~~280 Co OCH₄ 20.8 O₂ ← #4 Entry~~ Low Man 2490 Tucker 4:34 A Check

4:27 X B+ 4 & 3 @ Spd 2413 @ #3 Entry
480 Co 20.8 O₂ OCH₄

4:30 #1 Entry In Line With Spd 24B
665 Co 0.0 CH₄ 20.6 O₂ Light Smoke Traveling Toward LW Gob

4:32 Instructed To Retreat To #4 Entry & Advance
2 Breaks Inby 2413

4:30 #4 Entry
Co Now 71 Was 0

4:37 Change "Instruct 4:32" To Move Up #4 Entry To
24089 & Get Air Readings @ (Acknowledged)

4:40 Pull Team To FAB Smoke Means Fire
Methane Is At Edge Of Explosive Mix At Bleeder In 22 Gate
~~280 Co OCH₄ 20.8 O₂~~ Flow Reversal Of Air Could

4:43 Team @ FAB

4:44 Instructed To Disconnect Phone & Retreat To
78 Break (Acknowledged & Executing)
~~280 Co OCH₄ 20.8 O₂~~ ~~280 Co OCH₄ 20.8 O₂~~ ~~280 Co OCH₄ 20.8 O₂~~

5:02 MR Reported In @ Mother Drive / Instructed To
Retreat To Break 78

5:10

MR Team Requested Instruction On Recovering Body @
~~MR~~ ~~MR~~ ~~MR~~ Mother Drive

Command Center Advised TO Retreat ASAP —
Safety of MR Team Is A Priority
Continue Retreat

~~5:33~~

5:33

MR Teams @ 78 Break

Instructed To Retreat To The
Outside (MR Acknowledged)

①

4-9-2010

4:15 PM ENTERED DRIFTMOUTH

TEAM #3 AND #4 GOING TO 78 BK SWITCH

4:42 TERROLL CALLS REPORTS TEAMS ARE AT ELLIS SWITCH AND WERE GOING TO BREAK 78 SWITCH

4:58 78 BLOCK CH⁴ - 0 20.8 O²
CO - 0

5:10 MOVING TO MOTHER DRIVE
TEAM REPLIED THEY UNDERSTOOD.

5:38 ARRIVE MOTHER DRIVE 20.8 O²
0 CH⁴
0 CO

TEAM: ONE BK MBY

SPAD # 19673 20.8 O²
AIR 33 488 CFM 0 CH⁴
0 CO

SPAD # 19849 20.8 O²
AIR 19,040 CFM 0 CH⁴
0 CO

4-9-10

CHANGED PHONE AT MOTHER DRIVE
MARKED ONE BAD

5:42 CGFAB: PERMISSION TO GO TO FAB
TEAM: HOOKING UP INBY PHONE LINE

(DISCUSSION ABOUT PHONE INTERFERENCE)
(ALL PHONES WERE DISCONNECTED)

6:01 ARRIVE AT ~~FAB~~ 20.8 O²
INSTALLED PHONE BK16 0 CH⁴
0 CO

6:17 ARRIVE FAB 20.8 O²
0 CH⁴
SLIGHT AIR MOVEMENT 0 CO
INBY

39ppm CO IN BREAK THRU
* TEAMS STATED THEY WILL BE CHECKING
MAPS

6:22 TEAMS REQUEST IF AIR BOTTLES OK
CALL OUT READINGS OK.

CC: WANTS TEAM TO KEEP AN AIR BOTTLE

6:30 TEAM: READING MAPS & RADIO CHECKS

4-9-10
3

C S 6:31 INSTRUCTED TO GO UNDER O²

6:33 GOING UNDER O² LOW:
2600 MAT GREEN
 $\frac{15}{648}$

6:48

EXAM	AREA	A.	7:	7:09	7:13	7:13
			# 1	# 2	# 3	# 4
	O ²		17.8	17.9	17.7	17.7
	CH ⁴		0.4	0.3	0.3	0.27
	CO		500	440	444	382
	AIR		OUT BY NO SMOKE	OUT BY NO SMOKE	OUT BY NO SMOKE	OUT BY NO SMOKE

6:39 2510 ED SPARKS LOW MAN
4 BKS FROM FAB

6:44 2 BK INBY + 2 BK TO RIGHT FAB
SET A REPEATER

~~6:54~~ LO MAN 2300
6:57 ED SPARKS

~~7:12~~ EDDIE
7:17 2080 SPARKS LOW MAN

7:02 PROBLEM WITH RADIOS

4-9-10

4

7:32

7:17 CC INSTRUCTED TO MOVE #1 + #2
TEAMS TO ELLIS SWITCH

TEAM

EDDIE SPARKS

TEAM

PAUL SOUTHERLAND

7:20 TEAMS ADVANCING

7:24 2 BK INBY A4

7:25

1980 SPARKS LOMAN

ADVANCED 1 BK, AIR IN FACE, NO SMOKE

7:40

7:27 TEAMS 1 + 2 ENTERED MIDE

7:31 SPAP 24089

18% O₂
.2 CH₄
282 CO

AIR MOVEMENT
OUT BY
NO SMOKE

4-9-10
5

7:40

AREA "B"

	#1	#2	#3	#4
O ₂	19.3	19.5	19.7	
CH ₄	0.35	0.4	0.5	
CO	732	883	1169	
AIR	VERY LITTLE INBY NO SMOKE	VERY LITTLE INBY NO SMOKE		

7:46 TEAM 1 & 2 ARRIVES
ELLIS SWITCH
INSTALLING PHONE

CC: GO TO BREAK 78

7:48 : 1730 SPARKS LOW MAN

~~803~~

8:01 TEAM 1 & 2 GIVEN PERMISSION TO GO
TO MOTHER DRIVE

8:02 1530 SPARKS LOW MAN

~~617~~

4-9-10
6

8:17

803

3 & 4

TEAMS STATES THEY ARE GOING
TO RETREAT

Area D	#1	#2	#3	#4
O ₂	19.4			
CH ₄	0.20			
CO	477			
AIR				

Area	#1	#2	#3	#4
O ₂				
CH ₄				
CO				
AIR				

4/9/10 9:11 PM. Command Center

Randy Smith

- 9:18 Team 4 went under O₂ - Going to install hard line ph.
- 9:18 Team check Dell Jackson 2510 (Low Man)
- 9:30 Team 4 has completed laying out hard line.
24079 SPAD is @ end of hard line.
- Two teams getting ready to go under air &
to fresh air bases.
- 9:35 Team 4 - low man Jackson 2340 (MSHA)
- 9:35 Team 1 - low man Fred Martin 2560 (MSHA)
- 9:37 Teams 1 & 2 leaving FHB to explore.
- No. 4 Team Check @ 9:44 AM Dell Jackson 2190 Low man
- 9:48 No. 1 Team
- 9:49 Team check Paul Southland 2470
- 9:50 Lock-Down Occurs (all
cell phones tagged and turned
over to the State Police.
- air reading: @ 9:54 (24323 SPAD No. 1)
 - direction →
 - Quality → CH₄ = 1.0 CH₄
O₂ = 9.9 (1st READING)
CO = 775 ppm
- 10:05 Team No 1 is on mantrip
- 10:05 {
 - 4.9 % O₂
 - 853 CO
 - 1.0 CH₄

~~scribbled out text~~

SPAD#
10:10 24446 TRACK ENTRY (Victim Location)
* Found victim (CANNOT I.D. BODY)

SPAD#
10:15 One Breakinby 24446 in the track entry
a second victim was discovered.

10:16 Team OK → Paul Sutherland 2160 Low man.

10:17 11 11 Dale Jackson - low man.

~~10:19~~ → # of victims in mantrip re-
counted. TOTAL = 6 (confirmed @ 10:22)

10:21 24466 → Location of the
third victim. (Victim found @ 10:21 A.M.)

• 10:24 P.M. - The chamber has not
been deployed.

10:25 → Mantrip is not operable Now
retreating to the end of the
hard line.

10:27 C.C. has decreed that three (3)
mine rescue members travel across the
Longwall face to check for missing victim.

10:30 → Mgt requests of both Agencies
to take permissible risks underground.

→ Both teams are two breaks
away from hard line - getting
readings.

10:39 Team checks: Jackson 1690 Low
Dove? 1390 Low mo

10:41 Teams instructed f C.C. to
determine the condition of the
track.

10:43 Track - heavy debris - unusable
at this time.

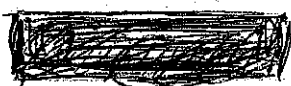
10:46 Short of shelter low air
and retreating.

10:47 P.M. { 20.9% O₂
.2 CH₄
2 ppm CO } Taken at
Jack No. 42

10:48 CC requested team to check
at the tail and ascertain the quality
of the air.

10:50 p.m. → Teams back at the fresh air base. (Three - M.R. members are still searching along the longwall faces. Ed Blake is not feeling well.

10:54 → The only canopy of the mantrip ride has blown out to the victim - 24441 - location spad of mantrip.



10:57 Blast seemed to come out of the face of the Miner section and down the track

10:59 Air Reading → Jack 69 (on Longwall)
 20.9 O₂
 0.0 CH₄
 0.0 CO

11:02 ED BLAKE is "OK" physically

11:03 CC instructs Longwall team to search for the last missing victim.

11:04 Jack 130 20.6 O₂ (Longwall)
 0.3 CH₄
 2.3 ppm CO

@ tail of Longwall }
 168 O₂
 9.0 Co
 11:10 p.m. → 95 CH₄

11:11 The last victim has not been found

11:12 CC instructs 3-man search party to search around the stag loader area for the missing victim.

11:15 The location of the shear is at the tail of the Longwall. The crew was located @ "85."

11:20 Last victim has been located at the head drive ?? Does that mean there is two @ the head drive. One is at the stage loader. One is @ the gate shield.

11:24 Gov. of W.V. leaves to inform families.

11:46 One team + Carl Bausden is staying to bag 5 bodies. The other team is travelling to the outside. Team No. 4 is staying to care for (one) the deceased.

11:58-CC determined that the closest victim to shelter - was found four (4) breaks away from the

(B)

4:10-10

4:12 pm

Grassy Hill

BK 140

1350 ppm CO

1.3 CH₄

4:20 pm Moving Fresh air Base

4:21 pm Exploration crew advancing, disconnecting Phone temporarily

5:15 pm in command center

			CO	
5:17	139-140	#1 ent.	25502	1221 ppm 1% CH ₄
		#4	208 Oz	868 ppm 0 CH ₄
		#5	208 Oz	836 ppm 1% CH ₄
		#3	20.5 oz	998 ppm 1.0 CH ₄
		#2	20.5 oz	1045 ppm 0 CH ₄

5:21 pm Exp. Team Adv. Track entry

5:22 Conversation to Fresh Air base - about stingers - 1 used 1 at FAB

5:26 Shield 87 21% O₂ 0 CH₄ 0 CO

5:27 " 84

5:28	Exp. 140	#3	20.1	1700 CO	1%
	143	#3	21.1	2999	1% flow in by

Comm. tail cap. to team radio

Ralph Turner low man

5:29 FAB 20.102 0 CH₄ 0 CO Air Move slow

8:31 BK 144 20.102 2168 ppm 1% CH₄ NO Air move

Com Tools L & R

BK 145

20.0

2185

1% CH₄

" "

Toward Track Ent

② 4-10-10 G.H.

5:35 pm

CO

BK 142

20.0 oz

2023

1%

Both Stopping Blown to Right of Track

5:37 BK 142

19.7 oz

2394 CO

1% CH

Sp. L4 R Toward Track

5:40 Rodman Sp. Smith

Drop off at 147 BK for Comm.

5:42 BK 148

20.1 oz

2530 CO

2% CH

from Eddie Blake

Both L4 R Blown Toward Track

No Air Movement

5:45 BK 149

19.8 oz

3043 CO

2% CH

Both Stopping L4 R Toward Track

5:45

from Seal #7 Victim to Fresh Air Base

5:47 BK 150

19.8 oz

3006 CO

1% CH

#3 Entry Tracing in by

5:49 pm BK 151

19.6

2975 CO

1% CH

Both stop Toward Track

0 Air movement

Rec of Crew

#7 at

Command center

* BK 156

20.0 oz

2775 CO

1% CH

Turned left at 152 BK

5:54 - Exp. Team retreating to Fresh Air base - Low O₂

5:59 pm

6:01 pm Retreat to FAB - dropped comm lines

6:03 Team at FAB

6:04 pm Ray McKenny - Command center to Team at FAB

Exp. Team ICG Team Eventt Deburgh

Both ICG Teams already switched out

In route to surface

③ 6:10 AM Goltz

All Vict. off Longwell except 1

Crew on LW face working open faced

6:17 PM Recovery Crew 78 BK To FAB with Victim

6:30: Exp. Team

Rec. Team FAB. @ #12 Vic.

Everyone off LW Face

6:33 AM Rec. Team Discussion ability to get 4 Vic. to Mantrip

9 Vict on 22 HG.

6:36 Dis. of Team and Vic. to Mantrip How many Vic. ? Carry

6:50 Leaving FAB w/ Victim toward outside

6:51 Exp. Team on Mantrip to outside

6:52 Rec. Team At FAB

Sparks
Kinder Bell
~~Engine~~

4-9-10 PSI
PM

- 4:15 PM MR Teams ~~3~~ & ~~4~~ Start In Mine Via Mantrip - Traveling To 78 Break Switch.
- 4:42 PM MR Teams @ Ellis Switch Proceeding To Break 78
- 4:58 PM MR Team Arrives @ 78 Break - Assembling Materials
O CH₄ O CO 20.8 O₂ Air Flow Inby - Weak
- 5:10 Instructed To Proceed To Track Switch - Inby Mother Drive
Acknowledged By MR Teams & Proceeding (Appx 3000' Travel)
- 5:28 MR Team Arrives @ ~~Track Switch~~ Inby Mother Belt -
O CH₄ O CO 20.8 O₂
- Spad # 19673 - 1 Brk Inby
O CH₄ O CO 20.8 O₂
● 33,488 CFM Neutral
- Spad # 19849 ^{or}
O CH₄ ^{or} O CO 20.8 O₂
19, ● 40 Neutral
- Replaced Phone @ Mother Drive / Marked Old Phone As Bad
- 5:42 Instructed To Advance To FAB (Acknowledged)
* 5:45 Double Check To Make Sure No Other Phones In Use
* 6:10 Confirm All Phones Out of Use
- 6:01 MR Arrived @ ~~Break 16~~ Break 16
O CH₄ O CO 20.8 O₂
Installed Phone Hed To Use Screw Driver @ 16
Advised To Advance FAB - MR Acknowledged
- 6:17 MR Arrived @ FAB
O CH₄ O CO 20.8 O₂ Movement Slightly Inby
Not Immediately Rt X OS FAB Has 39 CO
- 6:22 Confirm Air Reading & Movement Only
- 6:29 Checked All Equipment - Instructed To Go Under Air
6:32 Low Man Met Green (6:40)
6:45

- 1:57 PM MR Teams ~~3~~ & ~~4~~ Start In Mine Via Mantrip - Traveling To 78 Break Switch.
- 4:42 PM MR Teams @ Ellis Switch Proceeding To Break 78
- 4:58 PM MR Team Arrives @ 78 Break - Assembling Materials
OCH₄ OCO 20.8 O₂ AirFlow Inby - Weak
- 5:10 Instructed To Proceed To Track Switch - Inby Mother Drive
Acknowledged By MR Teams & Proceeding (Appx 3000' Travel)
- 5:28 MR Team Arrives @ ~~Track Switch~~ Inby Mother Belt -
OCH₄ OCO 20.8 O₂
- Spad # 19673 - 1 Brk Inby
OCH₄ - OCO 20.8 O₂
● 33,488 CFM Neutral
- Spad # 19849
~~OCH₄~~ ~~OCO~~ 20.8 O₂
19, ● 40 Neutral
- Replaced Phone @ Mother Drive / Marked Old Phone As Bad
- 5:42 Instructed To Advance To FAB (Acknowledged)
* 5:45 Double Check To Make Sure No Other Phones In Use.
* 6:10 Confirm All Phones Out of Use
- 6:01 MR Arrived @ ~~FAB~~ Break 16
OCH₄ OCO 20.8 O₂
Installed Phone Had To Use Screw Driver @ 16
Advised To Advance FAB - MR Acknowledged
- 6:17 MR Arrived @ FAB
OCH₄ OCO 20.8 O₂ Movement Slightly Inby
Not Immediately Rt X OS FAB Has 39 CO
- 6:22 Confirm Air Reading & Movement Only
- 6:29 Checked All Equipment - Instructed To Go Under Air
6:32 Low Man Mat Green (6:48)
6:48

6:33 MR Team Progressing To Exam Area "A"

4-9-10 B2
PM

	CO	CH ₄	O ₂	Movement
E1 "A"	500	0.4	17.8	Outby No Smoke
E2 "A"	440	0.3	17.9	Outby No Smoke
E3 "A"	44.4	0.3 0.3	17.7	Outby No Smoke
E4 "A"	382	0.27	17.7	Outby No Smoke

Team Check @ A4 (4 Break Rt of FAB Looking In by)
+ 6:39 E Sparks Low Man 2510 (6:54)

* 6:44 ^{Has} Set Repeater 2 Break To Rt : 2 Breaks In by FAB

+ 6:57 + ~~Low Man~~ Low Man E Sparks @ 2300 (7:12)

7:00 Trouble with Repeater ^{Now} Progressing To Area "A"

7:17 Low Man E Sparks 2080 (7:32)

7:17 PM Request To Team ^{Martin Southerland} 1 & 2 To Ellis Switch
Granded By In Charge.

7:20 MR Team Advancing To Area "B" For Evaluation

7:24 2 Breaks In by AT MR

7:25 Low Man Spark 1980 (7:40)

7:26 3 Breaks In by A 4 Air In Face No Smoke

7:27 ~~Teams~~ #1 & #2 Entering Mine - Call ^{out} Hold Down
At Ellis Switch

7:30 @ Spd 24079 @ 18% O₂ 282 CO 0.2 CH₄
Movement Outby - No Smoke

7:40 @ S O₂ CO CH₄

+ ~~Low Man~~

7:46 Team #1 & #2 @ Ellis Switch A.
Advance To Break 78 Acknowledged By MR T

7:48 Low Man Spark 1730

8:03

P.M.

	CO	CH ₄	O ₂	AIR Movement
E1 "B"	732	0.35	19.3	Very Very Little
E2 "B"	883	0.40	19.5	No Smoke
E3 "B"	1169	0.50	19.70	" " " " " "

8:02 Tran 1 & 2 Arrive At Break 78
 Team 1 & 2 Request To Advance To ~~Break 78~~ Mother Drive
 Permission Granted!

8:02 Low Man Sparks Tank @ 1530

817

	CO	CH ₄	O ₂	Movement
E1 "C"	335	0.20	18.4	To Face
E2 "C"	210	0.10	19.5	No Smoke
E3 "C"	553	0.20	20.0	" "
E4 "C"	768	0.30	19.8	" "

20433 DI 477
 CH₄ 0.20
 O₂ 19.4
 Large Amount Of Debris
 Movement Towards Bleeder Syst Detectable Flow

8:20: PERMISSION TO ADVANCE TO FAB

9:18 TEAM 4 UNDER O₂ AND GOING TO INSTALL HARD LINE

(9:33) 2510 DALE JACKSON LOW MAN

9:30 TEAM 4 COMPLETED HARD LINE
 SPAD #24079 END OF HARD LINE

9:32 TEAM #1

FRED MARTIN LO-MAN
2560 PSI

9:32 TEAM #2

SOUTHERLAND LO-MAN
2640 PSI

9:32 TEAM #4

JACKSON LO-MAN
2340 PSI

9:37 #1 AND #2

LEAVING FAB

9:45

TEAM 4 DALE JACKSON LO-MAN
2190 PSI

9:48

TEAM #1 MARTIN
2350

9:48

TEAM #2 SOUTHERLAND
2470

9:50 PM

LOCK DOWN

ALL COMMUNICATION DEVICES
WERE CONFISCATED

9:53

CC ASKED FOR AIR READINGS
TERELL

(AMOUNT + QUALITY)

9:55 PM

AT SPAD #24323
TEAM #1

10:02

AIR READING

O₂ 9.9
CH₄ 1.0 %
CO 775 PPM
DIRECTION

4-8-10 PM

10:05 PM AT MANTRIP

TEAM #1

O2 4.9

CO. 853

CH4 1.0

10:10 PM SPAD # 24446 TRACK ENTRY

VICTIM FOUND CANNOT I.D. BODY

10:16 PM ONE BK IN BY SPAD # 24446 ANOTHER VICTIM
(TRACK ENTRY)

10:17 PM SOUTHERLAND LOMAN
2160

10:18 PM JACKSON LOMAN
1820

10:20 FOUND 3RD VICTIM

10:22 SPAD # 24466 LOCATION OF 3RD VICTIM
(TRACK ENTRY)

10:23 6 VICTIMS ON MANTRIP CONFIRMED

10:24 CHAMBER HAS NOT BEEN DEPLOYED

4-9-10 PG 6
PM

- 10:25 MANTRIP NOT OPERATABLE
TEAM INSTRUCTED TO RETREAT TO
END OF HARD LINE
- 10:27 TEAM INSTRUCTED TO TAKE 3 MEMBERS
ACROSS LONGWALL FACE TO FIND LAST
VICTIM
- 10:30 REQUESTED ST. + FED TO TAKE PERMISSABLE
RIDES INTO MINE
- 10:32 TEAM CONFIRMS INSTRUCTION TO CROSS
LONG WALL FACE.
- 10:34 CARL CONFIRMS ENOUGH SUPPLIES ARE IN
HIS POSSESSION FOR BODIES
- 10:36 BOTH TEAMS 2 BKs FROM HARD LINE
GETTING LOMAN READING
- 10:38 JACKSON
1690

DOVE
1390

SPAD#
20234

10:39

TEAM GOING TO 20234 TO INSPECT SHELTER

10:41

CC ASKED ABOUT CONDITION OF TRACK IN SECTION
VICTIMS WERE FOUND

10:42

TRACK IS UNUSABLE HEAVY DEBRIS

10:45

SHORT OF SHELTER RUNNING LOW ON O₂
INSTRUCTED TO RETREAT

10:48

O₂ 20.9
CH₄ 0.2
CO 2

LOCATION
JACK# 42

10:50

ADDITIONAL TEAMS ARRIVING AT FAB

INBY CANOPY BLOWN OFF ONTO VICTIM
200' OF BELT

24441 MANTRIP LOCATION

24446 HEAD INBY TOWARD FACE
20' BEFORE (OUTBY) SPAD

10:56 CONVERSATION ABOUT VICTIM WITH [REDACTED] AND ALL CLOTHES BURNT OFF. MASSIVE DESTRUCTION AND THE APPEARANCE OF THE BLAST COMING FROM FACE OF HEADGATE 22

10:58 JACK
#69

O₂ 20.9
CH₄ 0
CO 0

11:01 INQUIRY ABOUT E. BLAKE TEAM STATES HE IS OK.

CC INSTRUCTS LONGWALL TEAM TO SEARCH FOR LAST MISSING VICTIM

11:03 JACK #130

O₂ 20.6
CH₄ 0.3
CO 23

11:10 TAIL OF LONGWALL

O₂ 20.8
CH₄ .95
CO 0

TEAM INSTRUCTED TO EXPLORE STAGE LOADER AND TAIL PIECE AREA.

- 11:15 CC WHERE IS SHEAR LOCATED?
TEAM STATES SHEAR IS AT TAIL
- 11:21 LOCATED VICTIM AT HEAD DRIVE
ONE IN GATE SHIELD
- 11:24 GOV. LEAVES CC TO GO AND INFORM
FAMILIES
- 11:32 CONSERVATION ABOUT CONDITION OF RESCUE
TEAMS UNDER GROUND
INSTRUCTS TEAM TO BAG THE BODIES BUT
DO NOT MOVE THE BODIES
- 11:43 EUGENE CALLS AND WANTS E. BLAKE TO
BE CHECKED OUT WHEN HE EXITS MINE
TEAM MEMBERS
CARL STATES 3 OR 4 BEEN IN CO FOR A
WHILE AND THE TEAM NEEDS TO BE
TESTED FOR CO POISONING
- 11:48 MEMBERS STAYING IN MINE
15 MEN:
CARL BAIRDEN
GEREMY MCCLEUNG
S. GOODYEAR
R. ASBURY
T. DOVE
P. SOUTHERLAND
C. CAMPBELL
E. WHITE
T. BLANKENSHIP
T. LETT
J. BALL
J. RUNYON
M. BAUSER
M. GREEN
J. KINDER

Instructed to unhook Telephone at FAB

4-10-10 (pg. 16)

Inquire as to condition of 4 wheeler roads & material on Track

12:02 4-10-10

12:25 Teams 3 & 4 waiting at mother drive on remaining teams to bag & flag

12:34 Mark Bolew

Dale Jackson

Danny Sparks

Jim Auerbach

Eddie Sparks

James Thomas

Sammy Ferguson

Jason Castle

Paul Adkins

Coming to End of Track No. 78

12:52

→ Mike Alexander added to previous NAME at 12:34 am

12:53 Road given to crew of 12:34 am of this page to come to outside from BK 78 When men get outside they will be checked for possible Exposure to CO

1:10 am Reviewing with 4 crews going underground the procedure for recovering victims Reviewing conducted in command center

1:23 am Command Center calling inside to mother drive
No answer at this time

1:43 am Command Center calling inside to mother drive
No answer at this time

1:43 am Crew traveling from BK 78 is outside at this time

1:56 am Command Center calling BK 78 John Kinder answered and him & his crew are at this location and they are coming outside at this time
Frank Foster requested that when crews get outside they will brief the crews that are going inside

2:14 am

Crews that ARE going to enter mine is being briefed by the 2 team captains that got outside (These crew captains are being briefed in command center) This briefing is being conducted with the first crew that came out of the mine at 1:43 am

2:32 am

2 mantrips outside at this time

2:34 am

The last mantrip is outside at this time

2:51 am

DEBRIEFING in command center with crew captains that came out of mine with crew captains that ARE about to enter the mine

3:20 am

DEBRIEFING with Chris Adkins with the last crew that came out of the mine. (Rescue members signing maps & etc.)

~~3:40 am~~

3:40 am

Motor & flat car left outside going to 78 BREAK
Also 1 4 wheeler has entered the mine
Shawn Smith
Barry Fletcher } motor & lowboy

4:30 am

Motor & lowboy at BK 78 Buens Diamond Team No. 6
Mantrips also at this location waiting for motor & lowboy to get in switch

4:44 am

Knox Creek Team & Federal Team is at 78 BK awaiting switching with motor & lowboy talked to Mark Gould
Mark Gould checking roadway in area for 4 wheelers use
unloading 4-wheeler from lowboy at BK 78 switch (Shawn Smith)

4:56 am

5:12 am

Motor & lowboy leaving BK 78 coming outside will call at Ellis Switch (Shawn Smith)

5:15 am

Both Teams at Mother drive (called out by Dave Levernigh)

5:18 am

Josh Brady rechecking phone at mother drive (worked on wiring)

5:29 am

MARK JACKSON INQUIRING ABOUT BOAT WASH ~~outside~~ at the end of the track or tubs of bleach water

5:37 am

Motor & Lowboy At Ellis Switch coming outside (Shawn Smith)

5:40 am

Josh Brady checking phone at 16 BK going to FAB (ON LW belt)

5:47 am

Ryan Haga AND Team No. 5 At FAB

0% 0% 20.9 } FAB Reading
CH₄ CO O₂

Ryan Haga will be MANNING the phone at this location FAB Spad No. 22771

NOTE: THERE IS NO DRILLING ACTIVITY (has not been SINCE the teams have entered the mine)

6:05 am

Ryan Haga INQUIRING ON condition of 4-wheeler unloaded At BK 78 (wanting to know where it is)

6:11 am

Communication Center INQUIRING at the FAB ~~where~~ if MEN WERE going down FACE LINE RYAN HAGA SAID they were at the stage loader

6:21 am

Team No. 5 At stage loader At victim No. 6 Bagging & Plogging AND mapping

20.9 0% 0% } Stage loader Reading
O₂ CH₄ CO

6:22 am

Motor & Lowboy outside (Shawn Smith)

6:26 am

Ryan Haga At FAB INQUIRING About putting supplies that is in powder bags to be put in body bag - at this time they ARE taking stretcher to victim No. 6

6:30 am

Communication Center calling FAB with information About schedule for RESCUER WORKERS

6:35 am

Ryan Haga (Team 5) No. 6 victim is prepared to transport in basket AND will be moved to the location of No. 2, 3, 4 victims

- 6:45 am Motor And Flat CAR Leaving outside going to BK 78 with 4 wheelers, pogo sticks, curtain, bleach, water and Tubs (Shawn Smith and Daniel Hudson)
- 6:51 Victim No. 13 is bagged AREA is mapped on Longwall face
 O% O% 20.9
 CH₄ CO O₂
- 6:55 Terry Lambert phoned that No. 6 victim is moved down to Victims No. 3, 4, 5 13 break
- 6:58 No. 13 victim is bagged & in stokes basket and moved Across stage Loader (George Smith and Dave Leveeknight)
- 7:00 am Josh Brady and John Hall is at L.W. Shield No. 50 And mapping ~~area~~ ~~bagging~~ No. 7 and No. 8 victims
- 7:05 am Communication Center calling to FAB to check on Mark Gourd and 4-wheeler
 The team is moving to victims 9, 10, 11, 12 and mapping their location Also the team is going to start bagging victims No. 7 and No. 8
- 7:16 am Roosevelt is taking No. 13 victim from stage Loader to the location of victims No. 3, 4, 5, 6
- 7:19 am No. 2 victim, No. 6 and No. 15 en route to No. 78 BK
- 7:27 am O% O% 20.9 Shield No 81 (Phillip, Dave & Josh (MSHA) George and 3 inspectors)
 CH₄ CO O₂ (At this location mapping)
 Need 6 Blue bags and Stokes baskets also need sheets at this location
- 7:29 am Motor crew leaving Ellis Switch going to BK 78 (Shane Smith & Daniel Hudson)

7:46 AM

NO. 13 ENROUTE TO OVERCAST AREA LW FACE 3422 DOWN AT 103 SHIELD
ALL 5 STILL TOGETHER, MAPING ALL STILL SAME, NEED MORE BLUE BODY BAGS.

7:58 AM Motor Car at 78 BRK (DANIEL)

8:09 AM RYAN, INVENTORY 4 TYVEC, 2 SKID STRETCHERS & 1 DOWN FACE, PLENTY OF WATER
2 BOXES FACE MASK, BOX BIO TED BAGS, WHOLE PACK WHITE GLOVES.
NEED 3 STAKES BASKETS, 6 BLUE BODY BAGS & SHEETS, THINKING SKID STRETCHER.
NOT VERY GOOD TO TAKE DOWN FACE. HAS 2 COMPLETE GRADE PHONE LINE,
15 BOJO STALLS, 4 LATER SPRAY FAN, 4 ROLLER CURTAIN.

8:15 AM Mark ^{Gouzd} at 78 BRK WITH 6 VICTIMS, READY TO BRING OUT,
#1, 2, 3, 4, 5 & 6 VICTIMS, HAVE INJURED TEAM MEMBER HURT BACK
MET OWEN COMING OUT WITH THEM (KENTUCKY TEAM MEMBER)

8:22 ROOSEVELT, ^{VICTIM} NO. 13 DOWN AT STAGING AREA, NEED 2 MORE MANTRIES, ONLY HAVE
3 MANTRIES. ~~ROOSEVELT~~ MARK WILL CALL WHEN GET TO ELLIS SMITH
2 MANTRIES COMING WITH ALL 6 TO BRING TO WITHIN VALLEY

8:30 AM Mark will have DANIEL ^{HODSON} TO OPERATE ONE OF THE LUSSEN
8:31 SHAWN, WILL BRING MOTOR OUT BEFORE MANTRIES.

8:34 AM RYAN HAZA That one more bucket, only need two, have everything mugged
ACROSS LW. VICTIM 13 IS AT STAGING AREA, STILL LOWER 6
VICTIMS AT LW FACE, HAVE VICTIM AT 81 SHOULD LOGGED.
81 SHOULD VICTIM #8 & BRING TO STAGE LOADER READY TO BRING TO
STAGING AREA.

8:50 RYAN HAZA VICTIM #8 IS ENROUTE TO STAGING AREA & STILL WORKING ON FACE.

8:51 SHAWN AT ELLIS SMITH WANTS TO COME OUTSIDE, OUTSIDE 9:27 AM.

8:59 RYAN, ^{VICTIMS} #7 & #10 ARE AT STAGE LOADER NOW.

8:50 AM RYAN, WANTS TO KNOW IF ^{RYAN} CAN STAY TO GET REST OF VICTIMS DOWN TO STAGE LOADER
AREA.

9:24 RYAN, #9, 10, & 11 AT STAGE LOADER AREA AT (858 FOR 9 & 10) #11 THERE AT 9:15
#7 & 12 LOGGED & AT FACE, #8 TRANS FROM STAGE LOADER TO
STAGING AREA NOW.

9:30 AM RYAN Everybody off face, ^(TEAM MEMBERS) getting ready to leave fresh air base taking #11 to staging area
#7 & 12 WILL BE LEFT LOGGED AT FACE #7 IS AT 81 & #12 AT 106.
#8 ENROUTE TO STAGING AREA.

9:32 AM Josh, what is our instructions (Brian - call me at Ellis unit)
to get clearance to come to near outside.
Josh Brady with MSHA. ~~the other 4 are trapped~~
on LW face.

8:45 AM John Sabo #1, 2, 3, 4, 5, 6 & hunt guy coming out to Ellis unit from 78 blk
with 2 mantrips Tom Paterson, John Sabo, & Mark Gaud
at 78 blk to take inventory.

9:47 AM Rick Matthey at Ellis unit have man with bad back ^{& 6 victims} might need attention, will
go 2 blk before surface.

10:06 John Sabo ^{Inventory} have 7 stolen baskets & 5 at stage ladder
9 blue bags & 6 black
5 black bags with mail & 8 white bags
All between 78 & 82 blk

10:25 AM Mark Gaud - Have Josh Brady with him have 4 teams ready for man line
two of those teams leaving staging area to 78 blk.

10:30 AM Man trips near surface (D-con) says Gary Meyer with 1 thru 6 victims, also
injured team member not aware with them.

10:35 AM Ryan Haza confirming, staging area of LW Victim #13 & 8 is there.
#11 Victim ^{at} staging area also. left 9:25 & was at staging area 9:54 AM
at stage ladder ^{in baskets.}
Victim #7 is at 84 shield bagged Victims 9 & 10 at stage ladder area in baskets
" #8 " 81 shield bagged
Victim #12 shield 106 bagged They have all material to bring to staging area.

10:41 RYAN HAZA (mistake) Victim #13 at 78 blk at 10:15 AM INSTEAD AT staging area of LW.
~~Josh Brady~~ One mantrip at ~~78 blk~~ 10:45 AM ON SURFACE D-CON
Ed CHAFIN ^{the other mantrip 2 blk underground waiting for clearance to surface.}
ON SURFACE said. → 10:55 AM 2nd man trip at stop area & 11:03 to surface morgue.
Victims 1 thru 6 are now in temp. morgue on surface.

11:34 AM RYAN HAZA Victims 8, 11 & 13 are now at blk 78 still in trunks
in stolen baskets.
3 KNOX CRK, 9 Kenstar, 8 cobra, 5 state, 3 Patriot, 4 MSHA at blk 78
waiting to come out

11:40 AM 2 mantrips went UG to pick up 4 recovery teams at 78 Brk.
Says Gary Meyer,

~~12:00 PM~~ ~~Kenny Smith~~ ~~Is there a usable switch only switch for all~~

12:11 PM Got 3 guys going in Duwayne Thorton, Daniel Orr, Brad Hawkins to retrieve victims at 78 Brk Victims 8, 11, 13. (with mantrips).

12:18 PM ^{note} 2 exploration team mantrips at 78 Brk.

12:30 Duwayne Thorton called at Ellis Switch & was told to go to 78 Brk.

12:46 Burns Diamond - called for All teams to Leave 78 switch and come to Ellis Switch with victims 8, 11, 13

1:03 PM ? Called for 4 mantrips to leave Ellis switch, gave permission to come to UG stop area 2 miles from surface.

1:07 PM Burns Diamond called said all 4 mantrips leaving Ellis to UG stop area.

1:45 PM 4 mantrips at UG stop area includes Victims 8, 11, 13.

1:59 PM 3 mantrips out on surface, 1 mantrip at UG stop with 3 Victims.

~~2:00 PM~~ ~~2:00 PM~~ VICTIM 8, 11, 13 Removed FROM Mine TO TEMP. MORGUE

~~3:30 PM~~ ~~GO~~
3:38 PM EVERT COBAUGH -
George Gibson - Beckley
Kernitz

1	6	10
2	7	11
3	8	12
4	9	13
5		

4:00 PM Command center HAS decided TO EXPLORE GLORY Hole AREA while ANOTHER RESCUE TEAM IS still WORKING near LONGWALL AREA.

Extra Notes

- 4:10 KERNIT BACK TO FRESH AIR BASE
- 4:11 KERNIT Given PERMISSION TO MOVE AIR BASE UP TO 160
- 4:12 GEORGE ~~MADE~~ MADE IT TO END OF TRACK
- 4:13 GEORGE (FLINTRIDGE) AT END OF TRACK
- 4:14 REQUESTED GEORGE ^{GIBSON} TO GO TO LONGWALL FACE AND RETRIEVE VICTIM 13 AND 14

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PM 4:15 PM

PM 4:24

PM 4:37

TOLD GEORGE TO CHECK ON CHARGE OF STINGER, (AT BREAK 78)
 BREAKING PHONE LINE TO MOVE PHONE UP.

(2) 8 MAN TEAMS DOING EXPLORATION
 (2) 4 MAN " " RECOVERY / AT THIS TIME

PM 4:54

PM 4:55

128 FRESH AIR BASE (TRACK ENTRY)

RECOVERY CENTER TRIED TO CONTACT RECOVERY FRESH AIR BASE
 (NO RESPONSE)

PM 5:01

EXPLORATION TEAM ADVANCING

SPPM 20.802 0% CH4 B129 20.802 31 PPM

129B, #3 DATA

20.802 45 PPM 0% CH4 GOING UNDER AIR

130 BREAK

AIR FLOW STAGNANT 130 BREAK

LOW MAN RUDNEY SMITH 2400

133B 20.402 92 PPM 0% CH4 (STAGNANT) UNDER AIR

134B 20.6 93 PPM 0% CH4 (AIR FLOW BARELY)

136B 20.7 360 PPM 0% CH4 " " INBY BARELY

JIMMY HINTON AT TRILGATE (STAY AT)

137B 20.402 1150 PPM 1% CH4 AIR FLOW INBY BARELY

GEORGE AT FRESH AIR BASE (TOLD TO INVENTORY SUPPLIES)

138B 20.6 860 PPM 1% CH4 AIR FLOW INBY BARELY

TOLD GEORGE TO WORK TOWARD FACE TO RECOVER VICTIM

139B 20.5 913 1% CH4 BLOWOFF 1840 LOW MAN

GET VICTIM #7 FIRST (TOLD GEORGE) (TAKE STOKES BASKET)

139-140B #1 ENTRY 20.5 1321 PPM 1% CH4

#4 ENTRY 20.8 868 PPM 0% CH4

#5 " 20.8 836 " 1% CH4

#3 " 20.5 998 " 1% CH4

#2 " 20.5 1045 " 0% CH4

P 139-140

TOLD TO ADVANCE (GOING UP TRACK ENTRY)

5:24 CALLED RECOVERY FRESH AIR BASE (ASKED ABOUT USING STINGERS)

5:28 SHIELD #87 21% O2 2-MADE 2 TRIPS EACH

0% CH4 OPPM

GOING TO SHIELD #84

5:30 140B 20.102 1700 PPM 1% CH4 AIR FLOW BARELY

5:30 143B 20.1 2996 " 1% CH4 INBY (STAGNANT)

5:31 RALPH 1830 (TANNED) LOW MAN

5:32 FRESH AIR BASE 2102 0% CH4 AIR MOVEMENT SLOW 0% CO

5:33 B144 20.0 2168 PPM 1% CH4 NO AIR MOVEMENT

5:34 B145 20.0 2185 " 1% CH4 " " "

5:34 STOPPING BLOWN TOWARD TRUCK ENTRY

5:35 TOLD FRESH AIR BASE TOLD TO REPORT WHEN FIND [LATTIN] [MCINTOSH]

PM 5:38 p.m. B146

20.202

2073 PPM

1% CH₄

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5:38

Left

stopping left & right of track blown to right

5:39

B147

19.702

2394 PPM

1% CH₄

#3 ENTRY

Both stopping L & R Blown toward track

5:41

B147

20491 SPAD # (Found)

5:42

B147

Dropping ~~the~~ ^{rodney} ~~size~~ ⁵ MITH

5:45

B148

20.102

2530 PPM

2% CH₄

(Left & Right) Both Stoppings Blown toward track

5:46

B149

19.802

3043 PPM

2% CH₄

5:46

Both Stopping L & R Blown toward track

Low Man (Tanner) 1820

5:46

Shield # 6 coming to air Base w/ Victim

#7

5:48

B150

19.802

3006 PPM

1% CH₄

Both stopping L & R Blown toward track

5:49

B151

19.602

2975 PPM

1% CH₄

Both stopping L & R Blown toward track

UO FIR

5:54

#7 to Staging Area (VICTIM #7)

MOVEMENT

5:55

B156

20.02

2775 PPM

1% CH₄

Team Retreating to

Fresh air Base (IN #3 ENTRY) Low O₂ alarms

5:

6:01 p.m. 21.202 0.0 CH₄ 0 CO F.A.B. (Recovery Team)

6:06

Team has retreated to the F.A.B. (Exploration Team)

6:19

#78 shield to F.A.B. w/ VICTIM #12

PM 6:26

21.102

0% CH₄

0% CO

at F.A.B.

6:32

EXITING 105 Headed toward end of track (EXP. TEAM)

+ 6:33

AT F.A.B. #12 VICTIM (Hold TIGHT)

6:34

Asked BY Recovery Center to assess team strength

6:38

CANNOT GET ALL 4 VICTIMS TO TRACK

GET 1 VICTIM TO TRACK AND REASSESS

6:52

LEAVING F.A.B. w/ VICTIM #

6:53

Exploration teams getting on mantraps & coming outside

6:56

Exploration team bringing out the two mantraps that they originally took in.

7:12

Mantraps taken to Ellis portal - to await mantraps presently entering the mines

7:30 p.m.

Teams 1 & 2 @ Ellis switch awaiting the other mantraps.

Given permission for mantrap @

7:47

Ellis says to come out.

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THREE

8:18 ~~8:18~~ → ~~Two~~ mine rescue teams are briefed in the recovery command center.

8:40 called George on Recovery Team at F.A.B. No Response

8:49 HAVE VISUAL AT 78

8:50 George ICG at end of track #10 & #12 (WITH VICTIMS)
EXACT LOCATION - 4 BKS above switch (had to push 2 buggies)

8:52 called B78 - Team APPX. 4 BKS INBY

8:53 Gave instructions as to loading victims

8:56 Loading teams & victims at B82

9:08 called B78 No Response

9:11 HAVE 2 LOADED - WILL REPORT BEFORE LEAVING (ARE LOADING PACKS)

9:14 READY TO LEAVE (LIFT OUT ALSO AT ~~THE~~ SWITCH) STOP 2 BKS
LEAVE END TRACK BEFORE EXITING MINES.

9:29 PM. [VICTIM #7 AND #9 STILL AT HEADGATE]
at L switch - Proceed to 2 BKS FROM PORTAL
BOTH TEAMS ARE MOVING TOGETHER [GEORGE GILBERT-CAPTAIN]

10:08 Victims NO's 10 & 12 - 2 BKS INBY THE PORTAL. BOTH
VICTIMS WERE RELEASED TO THE TEMPORARY MORGUE @ 10:13 AM.

10:30 (MANTRIP #3) & #10 (MOUNTAINEER TEAM) WENT UNDERGROUND
(MAGNUM TEAM) BRIAN PATROWSKI CAPTAIN
TRAVIS LETT CPT.

10:51 2 Teams at L Switch - Proceed on to 78 Break

PM 11:04 AT 78 BREAK (2 TEAMS)
Paul Sutherland - NO SYRINGES IN Possession

PM 11:08 Did not find any syringes U.G. Told to wait
there for other team to bring syringes for
air samples.

PM 11:19 LEAVING TO GO U.G. (1 FEDERAL MAN)
MANTRIP #15 & #14 TEAM-SOUTHERN POCAHONTAS

PM 11:28 #2 MOTOR #4 MOTOR #6 MOTOR w/ SUPPLY CAR
Loaded with (2) Four wheelers. Left Surface

11:35 pm TRAVIS is checking status at BK No. 78

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Pg 2

- 11:46 pm No. 15 MT at Ellis Switch w/crew (Pat Graham)
- 11:51 pm Command Center calling BK 78 inquiring status on 4 wheelers (about getting them outside they are out of charge) needing to be transported outside
- 11:53 pm No. 2, 4, 6 motors at Ellis Switch going to BK 78

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- 12:11 am No. 2, 4, 6 motors are at BK 78 at this time
- 12:13 am Command Center calling BK 78 (Mike Bosser answered, checking on No. 14 & No. 15 MT - confirmed that they are ~~there~~ at this location)
- 12:15 am Travis Lett and Team are moving from BK 78 to ~~mouth~~ of L.W. and then at FAB
- 12:32 am Travis and Team is at the mouth of the L.W. going to old No. 9 Belt to explore area
- 12:51 am Pat Graham and Team at staging area
- 12:56 am Travis Lett & Team at FAB at BK 128
 11 0% 20.9
 CO CH4 0%
- 1:02 am Tony Benten called to Command Center to check on No. 7 bag
- 1:13 am Command Center (Frank Foster) calling FAB at BK 128 (Travis Lett) need readings at 140 and 149 and get bottle samples at farthest point of penetration
- 1:19 am Travis Lett & Team + Nathan Sharp going into the old No. 9 Belt to explore area

- 1:21 AM Pat Graham & Team is back to staging AREA with victim No. 7 with them Going back to BK 78 At present time
- 1:26 AM Pat Graham going to get 4-wheeler At BK 78 And bringing it up to transport victims back to BK 78 Information relayed by Preston Toney (WVMTST)
- 1:28 AM MIKE At the FAB says that team is going on Air Arrow Price Lowman 2600
 20.8% 36 0%
 O₂ CO CH₄ (Break 32) going into panel
- 1:31 AM Command Center reminding MIKE At FAB for team to do checks EVERY 15 minutes
- 1:39 AM Called out from BK 140 in Panel (Track Entry)
 20.5% 1.63% 936
 O₂ CH₄ CO
- 1:41 AM Arrow Price Lowman ~~2000~~ 2206 On this team going in panel At BK 140
- 1:48 AM BK 149 (called out by MIKE At FAB)
 19.8 2151 1.3%
 O₂ CO CH₄
- 1:49 AM Low man Arrow Price 2102
- 1:56 AM Drilling team is At depth of 1150' At 2A hole called to Bill Tucker by James
- 2:07 AM Command Center called to FAB wanting information Low man A. Price 1904 Next Low man Thad Williams 2100
 19.7% 2350 1.5%
 O₂ CO CH₄
- 2:10 AM Pat Graham & Team is at BK 78 getting 4-wheelers And going back to FAB to get victims At staging AREA

- 2:15 Am AT BK 158 With Readings
 Temp O₂ CO CH₄
 78 19.7% 3600 1.5%
- 2:17 Am Command Center NEEDING information at FAB to what Entry Team is traveling (that is track)
- 2:19 Am BK 160
 19.2% 2800 1.4%
 O₂ CO CH₄
 Low man T. Williams Low man A. Price
 1970 1708
- 2:23 Am Command Center calling 78 BK NEED information About status of 4-wheelers being getting ready to go O.S.
- 2:24 Am Team in Old No. 9 belt panel informed C.C. that All Ventilation controls ARE MISSING
- 2:33 Am BK 162
 O₂ CO CH₄ Low man A. Price 1605
 19.7% 2200 1.4% Low man Justin Phillips
- 2:44 Am BK 165
 O₂ CO CH₄ Temp
 19.7% 2250 1.3%
- 2:45 Am Pat Graham & Team member Leaving BK 78 going to Staging AREA
- 2:47 Am C.C. calling motor crew at BK 78 telling them to Load mantrip seats and 4-wheelers on Low boys to transport outside
- 2:50 Am At FACE AREA of Old No. 9 belt panel
 19.8% 2830 1.3%
 O₂ CO CH₄
- 2:52 Am Team is Retreating from Old No. 9 belt panel And they have bottle samples

- 2:55am C. Center calling motor crew at BK 78 to check on supplies that are left in this area
- 2:57am Motor crew at BK 78 replying with information of the supplies being left in this location
- 2:59am C. Center calling to FAB checking on the backup crew at this location (10 members with back-up crew 10 members with exploring members)
- 3:01am C. Center talking to captain of back-up crew check with him about going to the short panel to explore this area
- 3:08am Travis Lett & Team is back to FAB
A. Price Low man 900
C. Center having back-up team to go back into panel and hang ventilation curtains
- 3:10am C. Center calling motor crew at BK 79 checking status on loading 4-wheeler to bring outside (have almost got it loaded)
- 3:17am Motor crew calling from BK 78 with report on supplies
- 3:19am C. Center calling motor crew at BK 78 giving them the road to Ellis switch
- 3:22am Back-up crew (mountaineer) is leaving the FAB going into the panel to install ventilation devices Captain (Mike Hutchinson)
- 3:30am Backup crew ready to install ventilation devices in panel Low man J. Parsons 2450
- 3:30am No. 5, No. 8 and No. 2 mantrips leaving outside going to Ellis switch with Massey members in trips

- 3:36 am C. CENTER calling Potgrahan inquiring about 4 Wheeler status at BK 78 going to staging area
- 3:45 am Mountaineer Team checking in from panel area
LOWMAN J. PARSONS 2400
- 3:52 am 2 men ARE coming out of panel with apparatus trouble
Willie ~~Roberts~~ Holcolm and Fred Martin MSHA
- 3:53 am Motor crew at Ellis switch holding up at switch until mantrips get at this location
- 3:54 am CURTAINS ARE erected in the panel area and team is coming out of the panel
- 3:56 am No. 5 mantrip, No. 8 and No. 2 mantrip is at Ellis switch waiting for the No. 14 mantrip to come to Ellis switch
- 3:57 am No. 14 mantrip with victims 7 and 9 is leaving BK 78 going to Ellis Switch (Don Cook and Toney Benton)
- 3:58 am Team coming out of panel Old No. 9 Belt is at the FAB
- 4:00 am 4-Wheeler is down at spad No. 22551 with bad battery
- 4:10 am Travis Lett and 4 Team members Leaving FAB at BK 128 going to crossover leading to the short panel for backup team for Team that is going to explore the short panel
- 4:15 am Travis Lett & 4 Team members ARE NOW Leaving FAB at BK 128 going to short panel and the other Team members are traveling to the end of the track

- 4:18 am No. 14 Mantrap is at Ellis Switch with 2 victims coming to the outside also the motors and Lowboy is going to follow the No. 14 mantrap in 10 minutes
- 4:20 am No. 5, No. 8 and No. 2 mantraps will wait at the Ellis switch until the Short panel is Explored
- 4:22 am Team is at FAB at Longwall waiting for the Team with Travis Lett to arrive at this FAB
- 4:28 am Travis & Team is at mouth of LW. going to LW. FAB
- 4:29 am Travis Lett, Mike Hutcherson, Greg Nierman, Fred Martin Thad Williams, Britt is on the team going to the FAB at the Longwall
- 4:35 am Motor at Ellis Switch are on their way to the outside
- 4:45 am Tony Benton, Ramond Simpson, Royer Blankenship Eric Sweeney is the team going to Explore Short panel
- 4:58 am 2 Bks into short panel Low man Johnny Mounts 2730
 O₂ CO CH₄
 20.8% 120 .02%
 Traveling No. 1 Entry into this panel
- 5:00 am 2 victims are outside at this time
- 5:03 am No. 1 Entry 4 crosscuts into panel
 O₂ CO CH₄
 20.4 225 .04
- 5:06 am OTHER TEAM members That did not go with Travis and his team is at BK 78 waiting
- 5:11 am 2 mantraps are leaving outside at the Ellis Portal at Bickton coming to Ellis switch where the other 3 mantraps are

5:14 am

✓

CH₄

CO

O₂

.05%

357

20.3%

5:15 am

Motors outside

5:21 am

No. 4 and No. 7 mantraps from Ellis Portal is
at Ellis switch

5:24 am

Air quality at the No. 1 face of the short
panelCH₄

CO

O₂

.15%

375

20.8%

5:25 am

C. Center directing mantraps to 78 BK
Mantrap No. 5, 2, 8 switching out with No. 4 & No. 7
will be coming outside at UBB portal

5:31 am

Mantraps are switched out and No. 4 & No. 7
traps are coming to 78 BK

5:34 am

Travis Lett and his team is at the FAB at the
L.W.

5:38 am

CO

CH₄O₂

454

1.8%

20.0

Light smoke on the short panel
These readings are from the No. 2 entry on the
short panel

5:40 am

Mapping crew & frame crew at BK 78

5:50 am

C. Center calling to BK 78 to check status
of line curtain and pogo sticks

5:53 am

No. 4 & No. 7 mantraps are outside at the
UBB portal

6:17 am

C. Center calling No. 78 Break informing the
teams to come to the outside

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6:21 AM Pat Graham taking mantrip from 78 BK to 4 cross cuts inby to get 2 men to get a ride outside

6:34 AM No. 3, No. 10 And No 15 mantrips LEAVING BK 78 to the outside

6:51 AM 3 mantrips from BK 78 is AT Ellis Switch Coming outside

7:00 Mapping crew at blk 82.

7:20 AM All 3 mantrips are now outside.

7:42 AM #4 & 6 ^{from surface} 2 Locomotives going to 78 blk with 2 rubber truck riders. (Jack Martin & Jason Aard)

8:12 AM Locomotives No. 4 & 6 Ellis switch to 78 blk. also Gary Frampton instructed 2 motormen to observe left stopping from Ellis switch to 78 blk.

8:38 AM JACK & JASON 2 motor crewman at 78 blk, instructed by Gary Frampton to go as far as 86 blk to see if anyone of mapping crew is there.

8:45 AM JACK & JASON at 86 blk + don't see anybody. Instructed them to go to blk 105 towards mother drive.

(8:41
8:42) No. 3 & 16 mantrips 2 Rescue crew going in.

(#4 cross cut stop cut, 35 cross cut $\frac{1}{2}$ out
40 cross $\frac{1}{2}$ zone, 47 $\frac{1}{2}$, 63 far blk blk
78 at KVA $\frac{1}{2}$ zone.)

9:11 AM JASON is at 105 blk got rescue coming.

9:12 PM ^{THAN} Peckworth at Ellis from Ellis to 78, OK to go.

9:13 AM Kenny from mapping crew at 78 blk mapping, 5 controls levelled at mother drive (IN Frame only).

9:28 Kenny - at 78 blk, all locations shown on plan that entire plane control ready to be used. Also mapping completed. Well now put frames at C, D, B, A

9:34 AM 2 mantrips No. 3 & 16 are now at 78 blk going to 105 blk

- 9:37 AM Jack + 14507 Motor crew, instructed by Gary Frampton to take supplies to 95 blk.
- 9:47 AM Kenny Farmer, Curtains laying at frames, instructed to install curtain on frames rolled up to make it easier to install.
- 9:55 Kenny Farmer, Inspector with crew conferring if to install rolled up curtain on frames. was told by Gary Frampton yes.
- 9:59 AM Andy Sparks from MSHA wants to know if about to install rolled up curtain in frames, was told yes.
- 10 AM KENNY Farmer wants to know what to do next.
"Note" mapping is done, persons working on controls.
- 10:10 AM Personnel on No. 3 + 16 mantrips leaving track #78 - toward outside - This was cancelled by command center. This trip had State + Fed inspectors on board. The people can be used for the vent. work inlay.
- 10:13 Phillip Ellis
"C & D framework - completed
25' or longer curtain cut & laying in front with foam pokes thru
(6) Working on carrying supplies to Area "B"
Instructed to attach curtains to top, roll up for them to be ready to drop.
- 10:24 AM Instructed "3 + 16 mantrips, with inspection personnel to proceed outside
- 10:38 AM ? 2 rescue teams headed toward mother drive parking materials as they go.
- 10:40 D. Harkney #3 + 16 mantrips at Ellis switch wants road to come out. Instructed to look at rt. side stopping line coming out.
"Note" Chris Blanchard said another man trip about ready to go in.
"Note" was told man trip #15 went in 10:45 AM by Brian, Gary Frampton instructed him that mantrips #3 + 16 are on way out from Ellis Switch (Terrell Blanchard's on #15 mantrip)
+ crew

11:11 AM Small Blankship Team @ blk #42 - proceeding to break #78

~~#13~~ ~~motor~~

11:15 Don Walker 2 rescue teams at fresh air base with supplies.

11:19 ~~Chris~~ Jack Martin will come out for another ride & wood, the wood he found at 78 blk is bad, don't want to use for vent controls.

11:20 AM NO. 3 & 16 mantips are on the surface outside (mopping crew).

11:24 Terrell ^{MARKSHIP} Now at 78 blk going to take some fly boards to F.A.B.

11:32 Don Walker 2 Rescue teams at F.A.B. going to mother drive.

11:35 AM JACK Martin Jason and No. 4 & 6 ^{motors} 78 blk headed outside.

11:45 Harry instructed to have 3 crew members to go to 4 blk only, F.A.B. & LW to get air readings & checks at SPAD # 22828 NO. 2 entry on H.G.

11:48 Terrell wants to speak to Harry again, Harry to wait for operators before getting readings only, F.A.B. at mother drive.

11:55 Philip Eli ^{B C D} # 2, 3, 4 done on vent. frames, waiting on material for NO. 1 & 8.

11:56 Don Walker at mother drive things can use from ^{burned down} 13 10' fly boards, 2 saws 1 extra blade, 1 bucket plaster, 8 10' timbers & 2 10' popsetter & bunch of timbers no wedges.

12:02 PM ^{JAMES} Duckworth team going only mother drive F.A.B. for readings, Shawn Ratty going with James Duckworth to NO. 2 entry SPAD 22828.

12:11 PM Philip Ellis what status on motor crew outside, need 20 timbers on supply, need saw blade & wedges to be brought in.

12:15 PM NO. 4 & 6 Locomotives outside, JACK Martin & Jason Acorb

12:30 Terrell @ Mother Drive taking 6 min
rescue guys on up with 6 apparatuses.

12:19 Philip Ellis confirming to also see timber along with logs sticks with vent
control frame work.

12:50^{PM} Terrell B. on F.A.B. on LW, 3 will go to spot ~~22828~~ ²²⁸²⁸ with
3 team members back up (for air readings)

1:00 PM NO. 2 & 6 supply ^{motor} started in from surface.
(JASON ACORD & JACK MARTIN.)

1:04 PM Terrell B. HG of LW Oxy reading ^{ON APPARATUS LOW MAN} 25.90 ~~at spot 22828~~
lower going in by → DON WALKER, Randy Watts, Andy Green, Shaun Butler ^{MSHA} to spot ~~22828~~ ²²⁸²⁸
to get air readings.

1:14 Terrell B. They're at spot 22828

Air Quality O₂ - 20.7

CO - 108 P.P.M

CH₄ - 0

Air Reading

SPM# 22828

57,960 CFM

TOWARD F.A.B.

COMMANDER low air man reading 2470

HARVEY told them to retreat BACK from SPOT 22828 to F.A.B.

1:26 PM Terrell B. men back to F.A.B.

1:30 PM JACK MARTIN - NO. 2 & 6 supply motor man wants rd from Ellis' seated to 78 blk.

1:38 Terrell & crew leaving F.A.B. headed towards 78 blk

1:42 PM 3 mantrips at 78 blk one mantrip in spur

1:46 PM JACK & JEN NO. 2 & 6 motor at 78 blk.

2:04 PM Terrell everybody is now at mother drive - 6 people with Terrell, 6 Total 17 men
all 17 people headed to 78 blk. TOTAL 17

2:06 PM 2 Teams Mantrips NO. 14 & 15 went in from surface state
at 2:06 PM

2:24 PM Phillip Ellis Finished A B C D vent controls with curtain rolled up.

- 2:26 PM Terrell & crew back down ~~to~~ 78 blk.
- 2:30 PM Philip ^{SPINDERS} at Ellis switch going to 78 blk.
- 2:41 PM KENNY ^{FARMER} sitting at 78 blk waiting to come out with mantrips, 8 persons
- 2:45 PM KENNY Farmer bringing NO. 5 mantrips coming to surface 8 persons
- 2:46 PM Terrell B. 78 blk, two teams are here.
- 2:53 PM NO 4 & 16 mantrips ~~outside~~ just went in with the 2 Rock Jerry's Teams, going to Ellis Switch.
- 3:02 PM NO. 5 & 7 mantrips Ellis switch waiting to come out
- 3:07 PM "Note" Starting Nitrogen into borehole #1 at H G 22.
- 3:15 PM Philip - at supply hub at 88 blk to get supplies to take up to mother lode
- M. MORRISON
3:27 PM BLACK MT. RESOURCES AT Ellis SWITCH WAITING FOR mantrips from outside to arrive at Ellis switch.
- PM 3:32 RIVERTON BLUE #4 TRIP at Ellis switch - told to sidetrack
- 3:38 ^{BUS} #16 switched out - will go to 78 BK
- 3:38 4 Buses will come to PORT #1
- 3:59 RIVERTON BLUE AT END OF TRACK at 79 BK
- PM 4:04 AT Spad 19659 (JERRY) at BK 81
- 4:07 4 Buses FROM Ellis SWITCH AT PORT #1
- 4:12 AT BK 129 ^{told} PHILIP (NITROGEN MACHINE H G 22 IS RUNNING)
20.9 6 PPM 0% CH₄
VERIFY IF TO USE TIMBERS - 18 posts at or near location
TERREL - DRINKING WATER (YES) FROM 78 & M.D.
STAKES Baskets (3)
Bungee Cord & Curtain - None
- 4:16 PHILIP - wants to know of Nitrogen - Yes it is running

P.M.

4:19

#2 & #6 MOTOR leaving BK 78 TO Ellis w/ STINGER
JACK VERIFIES that as motor crew exits mine no
other persons U.G. except Rescue Teams. (4) TEAMS

4:25

Kingstean in by fresh Air Base #3 Entry to see if Posts are
there to build Brattices.

4:26

~~#2~~ MSHA ^{DATE} MOUNTS & Ryan Coleman & Jeff Hennessy BK 129
① WV Eddie Blake at BK 129 Also Fred Newsome
TERREL Blankenship ^{LOW MAN} on list

4:33

1st Team John Crump 7680 (went under O₂)

4:35

#2 & #6 MOTOR Ellis Switch to Portal

4:38

Called Teddy BK 129 - Reel is here - HAVE Po-Go's & Fly Pads
took 8 Boards with them

4:41

Have Philip to get air Samples

4:43

at 20416 Spad 186 PPM 20.402 0% CH₄
2 BKs out by where curtains are to be installed

4:47

730 PPM 20.302 .3% CH₄ (going on to #6 Entry)
where curtains are to be built.

4:51

John in check JOHN CRUMP 7680 (LOW MAN)

4:52

Everybody good at End of track

5:01

#2 & #6 MOTORS ARE OUTSIDE (leaves TOTAL 35 men U.G.)

5:16

LOW MAN John (Pump) 240 #1 ENTRY 866 PPM 20.402 .5% CH₄
stopping 1-2 partial out
" 2-3 (SURE) NO POSTS IN THERE

5:20

129 BK - Teddy - HAVE 7 or 8 POSTS THERE

5:23

Called Teddy - 129 B - No Response

5:24

Phillip - Measured for Posts - Came back to cut Posts
and go back to Brattice Locations.

M. 5:27 Told to look 1 BT outby phone to left - sled supposed to have Posts & Boards.

5:30 OK at end of track

5:33 End of track - told to look for carbon filter Masters - also to take inventory of any supplies in the area.

5:36 ^{WHAT'S TO KNOW} State Inspector (?) How much air to qualify as a back up team. (Fred Newsome)

5:39 BK 129 - Have to 2 Teams as back-up at BK 78 (as answer to question on back-up teams)

5:43 Team going under O₂ (Brooks Run Team)

5:50 Supplies 30 Foam - 2 Boxes Nails - 43 Bundles Po 60's
25 Rolls Curtain - 5 Sledge hammer - 3 Rolls
lifeline - 3 Rolls Call line - 10 Cases water
1 case Paint - 1 Box Hangers - 3 Case Chlorox
4 stretchers - (Stokes) 2 Bow Saws - 27 Posts
1x8 long Boards (Bunch) & wedges
7 Medium Duty Bags white - 5 Disaster Pouches
6 Heavy ^{Black} Duty Bags - 100 Po-60 5 ~~trucks~~ ^{IN}
8 Rolls Curtain - 5 Foam ^{TRAILER}

5:56 Question - Round trip time to carry Posts to area - will not have time to complete all 6 batteries.

6:07 ^{AT BK 78} End of track - Told to move to F.P.B. ^{AT BK 129} - Do search & find Posts and carry supplies to team

6:09 Jeff ^{Hennessey} 2050 Low Man

6:10 Blue & Gold coming to Phillip from BK 78 TO BK 129 TO assist in carrying Posts & supplies

6:21 Teddy (?) Curtains on inby ^{side of Posts} ~~and of block~~ (Question)
Told they need to be on outside of Posts

6:24 LOWMAN 1880 Jeff Hennessey

6:27 #1 Team ready to start back toward brattice area
LOWMAN ERNIE ~~WATKINS~~ 2050
~~WATKINS~~

6:54 Blue & Gold at BK 129 (4 Mantips at End of track)
(6:10 PM TO 6:54 PM) 45 minutes FROM BK 78 TO 129 BK

6:59 #1 Team Back at F.F.B. Low Man 1620 Ernie ~~Watkins~~ ^{WATKINS}
Brattice 1 & 2 Complete - working on 3 & 4

7:10 Kingston team Back - Brooks team ^{NORTH} working on #3 (Phillip)
(told them 2 Teams suited up and ready to go in.)
& 1620 Low Man Ernie Watkins

7:24 (Fred Newsome) (?) told 700 on Apparatus (as per previous question)
Wants to stay w/ (Blue & Gold) have 2000#

7:34 #2 Team (CURT) ^{LOWMAN} 2130 (CURT CLEVENGER)
Gold Team ERIC VARNEY 2400 (LOWMAN)

7:40 #14 & 8 Mantips are ~~GOING IN~~ ^{GOING IN} BROOKS RUN SOUTH TEAM
ICG BECKLEY TEAM

(M.G. NOTES) ^{SOUTH} ~~South~~ / River R.S. ^{VARNEY} ~~ERIC VARNEY~~ 2230 ^{BOBBY} 1800 ^{CLUTTER} 1800 p.s.
7:55 Brooks Run ^{GOLD} OUT ERIC ^{VARNEY} 2230 BOBBY 1800 p.s.
CURTAIN #3 UP / FLYBOARD IN #4 & CURTAIN NEEDED
KINGSTON RED & ROCK SPRING GOLD HEADED IN.

8:04 ICG Beckley / Brooks Run South AT ELLIS SWITCH
HOLDING.

8:05 PROCEEDING TO SIDE TRACK AT ELLIS SWITCH.

8:08 # KINGSTON RED ^{OUT} 1600 ERNIE WATKINS
BROOK RUN SOUTH 2780 ELMER PEUR
#4 LACK FLYBOARD AND CURTAIN IN #4

8:09 ICG Beckley / Brooks Run South WAITING IN
SWITCH FOR MAINLINE APPROVAL

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P.M.

8 NORTH MAINS

8:58 Last Stops are
Built

LOW MAN

200 Jason Stone

LOW MAN Blue 1930

LOCATION D - 113 or 114 farthest in (Team w/ Most O₂)

C III

B 100-98

A 78-

9:03 TOLD 2 TEAMS TO PROCEED TO Portal from BK 78 (They were on Standby)

9:07 TOLD TO DISCONNECT PHONE AT F.A.B. at 129.

4 Teams leaving BK 129 to Points D C B A on route to BK 78. WILL DROP & NAIL CURTAINS AT POINTS A B C D.

9:29 Phone in by Motor Drive at 105 BK disconnected
Terrel Blankenship w/ Kewster Team at Motor drive

9:30 Teams ICG Beckley & Brooks Run are outside from BK 78

10:03 AT Base 78 - Take trips to top of Hill [^{THREE} ~~all~~ teams at BK 78]
Bring all mantrips out
All curtains at ~~A~~ B-C-D ARE DROPPED & NAILED
Dropping curtains at Location A

10:30 Curtains are dropped at Location A
Told them to go back to Location A and make sure #1 & #2 Entries are curtained off.
Send 2 Teams out now. Were told not to worry if one of them blows out.

10:57 1 & 2 ENTRIES ARE CURTAINED & INTRACT AT LOCATION (A).
MANTRIPS ARE STARTING OUT (4) TRIPS

③ 4 wheelers at BK 78 - have been used very little

11:38 4 Trips cleared portal. NO ONE LEFT
UNDERGROUND

Wilmington
Ar M.

4-12-10

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WYOMAS & T

- 5:02 Command Center decides to send in four rescue teams.
5:45 - Southern Safety No. 1 & No. 2, Federal No. 3 and Magnum mine rescue teams are briefed in the Command Center.
6:19 - Briefing of mine rescue teams is completed.
6:20 - Kenny Browning, Tom Guire, Ed Paddicord, and Ralph Tanner accompany the first (4) teams entering the mine.

Wayne Wenigrove relieving Randy Smith 7:00 AM

6:50 AM to 6:56 AM Southern Safety #1 went in, Southern Safety #2 went in, Federal #2 went in and Magnum went in. MANTRIPS NO. 14, 8, 5 & 13 going to 78 blk.

7:15 AM Pat Graham MT #14 is now at Ellis switch

7:21 AM Travis ~~left~~ #8 Magnum Team at Ellis switch

7:24 AM ~~Dan~~ ^{Dan} MT #13 now at Ellis switch.

7:26 AM John ~~left~~ MT 5 now at Ellis switch.

7:33 AM Pat Graham #14 MT now at 78 blk

7:35 Mark Zutz #8 MT now at 78 blk

7:44 ~~#8~~ ^{#13} MT now at 78 blk

7:45 ~~#8~~ ^{#5} MT now at 78 blk

7:47 AM Travis ~~left~~ ^{left} called at Frank Foster confirming instructions.

7:48 AM Pat Graham ^{#14 MT} at end of rail usable rail.

8 AM Travis left Bill already took plane packs to seal location, Frank Foster said don't know take some anyway.

8:10 AM Travis left Magnum going to check stoppage they built.

8:11 Shaun ^{Smith} + Daniel bringing MT #5 & 13 to outside, will roll at 78 blk.

8:15 AM Mark Gould Fence 22 up track put plane approx 86 blk trying out.

8:28 SHAWN Smith at Ellis switch #5 & 13 MT coming outside
DANIEL

- 8:30 MARK saw Federal 2 plane headed up at moth drive. in track entry.
- 8:35 AM Pat Graham plane headed back up to mother drive.
- 8:40 Temp Stoppings Along "B" Location - Inspected; Intact via Travis Lett
- 8:44 "Harvey" ^{Ferry} Requests To Send 2 More Teams In ① Southern App
② Wolfe Run Blue - Acknowledged Also Staging 2 Addnl Teams
To Assist Carl B on Victims - If Needed

8:50 AM MARK Federal 2 team at ^{TRACK ENTRY} 128 & 129 hlk, Hardman wants air quality in this area
O₂ 21 CH₄ 0 CO 0 (250 Lfm in track entry 128 to 129 hlk.
(area see 9:26 am when called out.

8:57 AM Mantropis 5 & 13 on surface, ^{SHAWA} ~~Hard~~ & Daniel

9:02 AM Bob Jackson ^{MSHA} at ^{129 hlk} F&B they want to go in by base, wanted no. ~~and~~

9:14 AM TRAVIS C & D ^{TEMP STOPPINGS} locations OK is at 129 hlk going to go to seals with
forming material & will air quality entry seals.

9:15 Harvey ^{Team} ~~Ferry~~ Patrick Southern & Wolf Run Blue started inside going to
be backups. no state or Fed reg with them.
MT's NO.

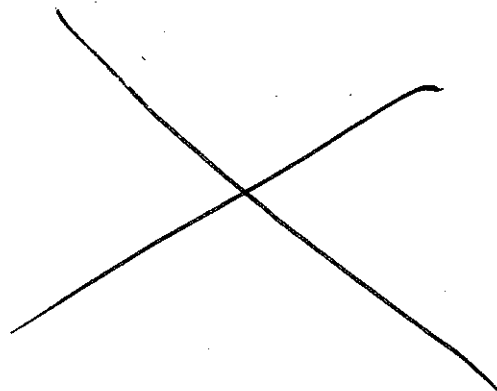
9:25 AM John

9:26 AM Mark ^{Gov 2d} called to give area ^{TH 4 entry} ~~128~~ OCH₄ 0. CO 21 O₂
#5 entry 0 0 21
#6 entry 0 0 21
Movement from 6 to 5 5 to 4 4 to 3 movement
#3 entry where hwy & track intersect, ^{SPN} 23456
CH₄ CO O₂
0 0 21
at spot 2022 20' wide
#1 entry ^{SPN} 20223 21 X 8 202 Lfm CH₄ CO O₂
20' X 7 302 Lfm 0 0 21

Said TRAVIS is now going to form seals.
(W.W.) see next page for better understanding

Readings at F A B at 129

Refer to Air Reading Table 4-12-10 9:26 AM on another sheet, in clip board.



- 9:35 ~~Mark~~ ^{Goetz} 10 rolls of curtain & have 65 Pogo sticks at 129.
- 9:36 Chris Green MT NO. 2 & 15 at ~~78~~ ^{ELLIS} going to ~~Ellis~~ ⁷⁸ unit.
- 9:38 Mark ^{Goetz} - wants permission to build TEMP well frame with Pogo sticks, was told to hold up, just get everything ready & place material but don't build anything yet. have 10 rolls curtain & 65 Pogo's.
- 9:48 Ken Browning ^{state} Joe Rumeni is at 78 blk (Ken Browning is at F A B requesting material from bl 78.
- 9:52 AM Ken Browning ^{AT} F A B, Team opening ^{8 North} seals have damaged breathing device at 8 North seals 500 PPM CO 1 blk outly seals (MAGNUM TEAM AT SEALS)
- 9:54 Ken Browning ^{AT} F A B, at seals CO. 500 PPM 20.7 Or 0.5 CH4 MAGNUM TEAM AT SEALS
- 10:05 AM Instructed to set up curtain INTAKE side 129 to send fresh air thru glycol bed workday & sweep 8 North seals.
- 10:06 Joe Rumeni MT # 2 & 15 wants to go from 78 to 129.
- 10:07 AM SHAWN ^{state} - ^{Daniel} going MT # 2 & 15 outside, Call at Ellis unit.
- 10:10 AM Ralph ^{state} Tanna instructed by Frank Foster to ~~get~~ ^{keep} some one at phone at F A B.
- 10:12 AM Mark ^{Goetz} instructed by Frank Foster to install shades # 4, 5 & 6 entire to flush out 500 PPM CO. thru glycol bed to 8 North seals.

@ 22 Gate Belt Transfer (Air Reading Table) 2435g
#4 0 CH₄ 0 CO 21.0% O₂ Movement Only 6-8 → To LW Cross Over Then Return
Reading @ FAB 129 9-26 AM 4-12-10

#5 0 CH₄ 0 CO 21% O₂ Movement Only 6-3 To LW Cross Over

#6 0 CH₄ 0 CO 21% O₂ Movement Only 6-3 To LW Cross Over

@ 2435g
0 CO 0 CH₄ 22% O₂

#3 @ 20222 8 X 20 - 250 CFM
40000 CFM 0 CO 0 CH₄ 21 O₂

#2 @ 20221 20 X 8 202 CFM
32320 CFM 0 CO 0 CH₄ 21% O₂

#1 20223 @ X Cut In by @ A Cross Cut
- 20 X 7 300 CFM 0 CH₄ 0 CO - 21% O₂
42,280 CFM

Inventory

10 Rolls Cart
65 Po Go Stic

9:13 AM Mark G. No curtain or Pogo material at seals
 sample Tube reading behind seal 1 1/2 blk only,
 NO. 3 Entry $\begin{pmatrix} O_2 & 19.5 \\ CH_4 & 1.5 \\ CO & 1762 \end{pmatrix}$

10:18 Mark G. 0.12 CH_4 39 CO 21 O_2 at #1 entry north 22 H.G. seal
 At Seal 2418

10:21 SHANN + Daniel at Ellis switch conveyor outside with MT #2 + 15, cleared to 25.

10:25 #1 Seal 20.7 O_2 442 CO 0.46 CH_4 Out by 8 North #1 Seal
 #2 Seal 20.9 O_2 472 CO 0.28 CH_4 Out by 8 North #2 Seal
 Mark G.

10:32 AM ^{AT FNB} Mark G. Frank Foster wants to know if have stoker baskets at 129
 have 4 stoker baskets here says Mark.

10:35 Joe RUMON at #105 says have 4 stoker baskets + 25 Pogos
 in transit to 129 blk.

10:39 AM ^{8 North Seals} Mark G. - Seals out by out by out by
 4 5 6
 20.9 O_2 20.9 O_2 20.9 O_2
 0.15 CH_4 0.20 CH_4 0.0 CH_4
 Co. 50 PPM 120 PPM 60 PPM

10:50 AM Mark G. - told Frank all 6 seals foamed (8 North) still in process of building
 4 curtains told to build.

10:51 Mark G. ^{#3 entry} Frank entry Seal in back, Sample Tube reading
 O_2 20.1
 CH_4 2.6
 CO 1519 PPM

10:55 AM Frank told Travers to get new air readings out by 8 North seals.

4-12-10 Pg 40

10:58 Mark G. — Read cap lights relayed in here, will send in 10 says Frank.
Frank ask if Wolf Run there yet? Should be 2 Teams for back up,
Mark - don't know.

11:05 Frank told Mark to have them back at spot 20432

TRAVIS readings	
Mark - #3 seal <u>outlet</u>	#3 seal <u>behind</u>
20.9 O ₂	20.1 O ₂
2.8 CO	2.6 CH ₄
0 - CH ₄	1570 CO

11:09 Am Mark G. — Wolf Run & Southern up here now.

11:11 Am Frank Foster told Mark G. to start building STOPPINGs AT entry 129
to control air flow at the mouth HQ 22 sent,

11:14 Mark G. — ^{to direct air to 2} build ~~at~~ mouth HQ 22 0223 double set of checks.
first outby overcast " " "
No. 3 entry overcast with fog double set of checks
first outby
No. 2 entry double set
No. 1 entry it. of overcast double set
need permission to do this. HAVE clearance to build

11:10 Am Mantrip No. 3, 4, & 16 going in at drift opening to 78 blk.

11:11 Am Mantrip No. 10 going in at drift opening. to 78 blk.

11:25 Frank Foster tells Mark G. to see if have 3 Teams there.

Air reading: #6 seal outby says Mark G.
22.8 Lfm
but front #3 seal sample tube
down to 20 ppm

11:30 Phone & Man Stationed 1 By Outby Seal #3 @ No. 8 North
Monitoring Sample Tube

11:35 20.4 O₂ 2.6 CH₄ 1548 CO Behind #3 Seal
Stationing 2 MR Men @ Sample Tube

11:35 #16 Mantrip @ Ellis & Traveling To 78 Mark Bolen
All 4 Mantrips Progressing To 78

11:32 2 Men @ #3 Seal Sample Tube - All Other Go To 129 For Construction Instructions.

11:39 Mark Bolan Instructed To Move Unnecessary Member 1 Brk Out by 129 FAB To Manage Communication

11:40 Command Center ^{Con with Mark Bolan Decided} To Advance 6 Breaks In by Mouth of 22 HG Section - Once Cross Over ~~To 22 HG~~ Vent Controls Are Established.



11:51 AM Bob Jackson, Justin Kelly station at 8 North Seal Sample Tube

11:54 AM Mark Bolan - Mantrips up there to prepare to bring victims out when they get there, where to put them will let other man trips go only first.

11:55 Bill Tucker - IN with ~~let know when clear switch, closed switch going to 78 switch.~~
#10 MT

11:57 AM	DALE JACKSON	20.1 O ₂	IN by Sample Tube At 8 North Seal.
		1585 CO	300' IN by
		2.64 CH ₄	

11:52 AM Two people on MT #5 going in at drift mouth, Charles Kinger & Larry Ferguson.

12:04 PM Mark G. brought other man trips in by switch at 78 hlt.

12:10 PM Mark G. 4 out of 5 stoppers built near HG 22 to divert air, wanting to know if can move fresh air base up. send # 24, 25 ^{New FAB will be}

Bob Jackson at seals	# 6 seal	out by 5	out by 4	out by 3
	17 PPM	22 PPM	23 PPM	28 PPM

seals # 2	out by 30 PPM	out by 37 PPM	O-CH ₄ 20.9 O ₂ at all seals out by.
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12:12 Sample Tube At 8 North Seal
20.1 O₂
1591 CO.
2.61 CH₄

Hot Spot 20032 (X116)

BOOK 2
4-12-10

Pg 1

12:15 pm Charles & Larry N/O. 5 MT at Ellis switch leave supplies & come back out.

12:16 JAMES
Mark Thomas at 82 blk last 2 MT that came in # 3 & 10
Mark Thomas will ~~bring~~ bring out to Ellis switch

"Note" (3, 5, 10 MT on way out)

12:19 pm Bill Tucker, Carlos group is at blk 78,
Piston

12:21 pm Bill Tucker crew 78 to 128 blk,

12:28 pm Dale Jackson INBY SEALS
on 20.02

Co 1604

Chu 2.60

12:30 pm MARK G.
FAD - May need more curtain & Pogo's when Carl team
gets there have some people go to 78-blk for supplies

12:31 pm # 3 & 10 MT at Ellis switch heading out,

12:32 pm ~~outlet seal~~ Fresh air into fresh air base
0.0 chr

0 Co

20.5 oz

Velocity area 20'2 x 8'2 248 Lfm

12:35 pm Mark G. taking phone to new F.A.D. at 135 cross-cut,

12:37 pm Taking cable off seal (Phone)

12:37pm Dave Wener Carls team at Mader drive L6 advancing to blk 129.

12:40 Travis Checking Phon at 129 Brk.

12:43pm ^{sample tube} Dale Jackson/20% Or 1600 PPM Co 2.53 ch4

12:50pm No. 5 MT outside

12:59 ^{sample tube} Dale 20% Or 1606 PPM Co. 2.43 ch4

1pm Mark G.
Phone hooked up at new FAB at 135 blk
have 70 Ppg 5 rolls entered at FAB.

1pm MT 3 & 10 outside now

1:10pm Mark G. FAB teams up here ready to start building on return 2 checks return side lanes #1 & 2 HAS permission to do this.

1:15pm ^{sample tube} Dale 20% Or 1593 PPM Co 2.41 ch4

1:20pm Duane Thorton have 4 wheels & tracks from end of track
3/4 ch4 is located 4 blks from track end by belt line

1:13 PM NO. 5 & NO. 13 mantles went in drift opening, 2 Teams.
 & 1:14

1:24 PM Mark G - Travis found semi roll phone cable.
 May not need more curtain, may have enough logs.

1:28 PM ^{sample Tube} Dale Jackson 2070 Or 1592 PPM CO. 2.36 ch4.

1:35 PM Mark - East Kent ^{TEAM} & State & Fed here now.

1:37 PM Mt #1 Team MT #13 to call at 78 blk.

1:41 PM Mark G. wants location of low hole on Hq 22, was told.
 1:49 PM RETURN 104,674 CFM ~~21~~ 2 0.0 ch4 8 CO.
 21 2 Or PPM

~~DATE 5/1/10~~

2:00 PM allowing to go 10 blk instead of 6 for exploring & to (22 Hq)
 establish air lock. State & Fed & Co. agree

2:01 PM Mark wants permission ^{to move} / FAD #1 cross-cut at ^{SPAD#} 24202
 has permission to do so.

2:05 PM Mark - team is starting now to explore up to 10 blk only FAD.

2:06 PM NO. 5 & 13 MT at 78 blk performing inventory for vent controls.
 Also Checking on lights to take to FAB

2:20 PM Mark - In 4th blk #3 entry 20.9 O₂ 108 PPM CO. 0.0 ch4

2:20 pm

sample tube at North
Date Jackson 1327 PPM CO. 20.1 O₂ 2.06 CH₄
cutting, reader same as before.

2:23 pm

Mark G. - #3 blk #3 entry in intersection
is scoop, on HG 22.
3 blk between 1 & 2 battery Fork lift.

2:25 pm

Mountain - MT # 13 & 5 leaving to come out with list of supplies.

2:26 pm

Mark G. - #3 entry 4 blk 20.9 O₂ 0.0 CH₄ 10 PPM CO. (HG 22)

2:30

sample tube
Dob - 20.0 O₂ 1519 PPM CO. 2.21 CH₄

2:31

Mark G. - #2 entry 5th blk 20.9 O₂ 14 PPM CO. 0 CH₄
#1 5th blk 19.9 O₂ 60 PPM CO. 0.3 CH₄
O-block sample tube 21% O₂ 13 PPM CO. 0 CH₄

2:36 pm

#5 & 13
Two mantys leaving to change out at Ellis with mantys
starting in.

2:40 pm

Mark G. told by Frank Foster 3:30 pm to honor a
moment of silence, (everybody) underground & outside.

2:42 pm

~~Mark G. - 10 blk in by FAB at head # 24394~~

2:52

~~air readings - 20% O₂ 1561 PPM CO 2.1 CH₄~~
~~DATE 19% O₂ 69 PPM CO. No CH₄~~

2:52

Dob sample tube at reader
20% O₂ 1561 CO 2.13 CH₄

2:52 PM

Date ^{at sample tube}20% O₂

1561 PPM CO

2.13 CH₄

2:58 PM

HG22
Mach - Team 9 Park2.5 CH₄

140 PPM CO

12% O₂

2:59 PM

Mach - need to cut belt to limit airlocks - No, go around with curtain.

3 PM

Date ^{at sample tube}20% O₂

1571 PPM CO

2.08 CH₄

2:59 PM

#2 & #15 Monty's left to go inside at diff opening with 2 teams.

3:08 PM

at o-sample tube in return. HG22
Mach - 21% O₂

CO 12 PPM

0.0 CH₄

3:16 PM

DATE
(Seals)20% O₂

1571 PPM

2.01 CH₄

3:22

(MARK) Point F.A.B.

AT 0

21% O₂

8 PPM

0.0% CH₄

3:27

#2 & #15 Bus at Ellis Switch

3:32

20% O₂ 1576 PPM1.95 CH₄ (DATE AT SEALS)

3:32

2 & 15 Buses leaving Ellis to 78B

3:34

5 & 13 Bus at Ellis to Portal

3:35

129 contacted Joe Runyan for supply count

3:48

Seals 20% O₂

1580 PPM

1.90% CH₄

3:50

#15 Bus

Rivertron Blue
" Gold

at BK 78

8' PO-GO'S
CURTAIN
& WIPPER

3:50

Monty in car 1 & 2 at BK 129

P.M.

~~129 BK~~

3:52

F.A.B. 22 Headgate - asked permission to move F.A.B. to BK 7. Given permission by R.C.C.

3:53

Cap ~~lights~~ lights needed at BK 129

3:55

Supplies at
129 BK

21 Rolls 25' Curtains - 20 Po-Gos
2 Case water - 9 Lights

3:56

Mark - will advance F.A.B. up as far as they can

3:56

20.9 O₂ 3PPM 0% CH₄ - Given OK by R.C.C.

4:03

R.C.C. called

129 JOE PUNYAN - NO RESPONSE

4:05

Seals 20% O₂ 1583 PPM 1.84 CH₄

4:08

TRAVIS Miller @ 129 BK HAVE 7' PO-GO'S

4:09

AT 5BK out of phone line - F.A.B. HERE

4:12

R.C.C. told Travis Miller to walk over to triangle #4 to see if 10' Po-Go's are there.

4:13

~~to~~ bringing Supplies from 129 to BK 5 F.A.B.

4:17

Preparing to advance Temp. Seals another
10 BREAKS (Southern Poekantash (TEAM))

4-12-10

PG 7

P.M.

MARK

4:20 "O" Block 21% O₂ 10 PPM 0.0 CH₄ 17T "O" Block4:20 ^{DATE} Seals 20% O₂ 1585 PPM 1.79% CH₄

4:22 AT 129
 CARL Baysden - DO THEY HAVE STOKES AND ALL SUPPLIES
 - CARL SAYS HE HAS ALL NEEDED.

11 TERMS
 V.G. NOW

4:36 "O" Block 21% O₂ 9 PPM 0% CH₄

4:36 Going thru Temp. Seals to explore next 10 BKS

4:36 Seals 19.9 O₂ 1586 PPM 1.74% CH₄

4:37 @129 - ~~no~~ to build with at #3 ^{need 9' AD-Go's} - NO SUPPLIES TO BUILD

4:39 #2 Entry 19.0% O₂ 119 PPM 1% CH₄ at #9 x cut

4:47 R.C.C. asked for air velocity in L.O.B. (at BK 8).

4:50 14 Block 2.0% CH₄ 17% O₂ 175 PPM #2 ENTR,4:51 "O" Block 20.9 O₂ 7 PPM 0% CH₄4:52 ^{DATE} Seals 20% O₂ 1588 PPM 1.70% CH₄

4:54 X CUT #8
 Velocity 179 L.S.M. 20 x 7 = 140 sq ft

140
 179
 1260
 980
 140
 25,068 C.F.M.

4:56 Riverton Gold & Blue not there yet

P.M.

5:00

(12-10' POCO @ 179 found

5:04

MARK On 15 BK to 18BK (moving from BK 15 to BK 18)

5:06

DATE
Seals 19.9% O₂ 1587 PPM 1.66 % CH₄

5:07

O'Block 21% O₂ 0 PPM 0% CH₄

5:15

MOUNTAINEER
MT 182 Headed to get supplies from 179 toward 78

5:16

ISSUE - Poca team request medical attr.

TOM GUIRE
STATE MAN

5:19

R.C.C. Told teams to take curtain & cover bodies

5:22

TOM GUIRE seems to be O.K. EMT is attending

5:24

DATE
Seals 20% O₂ 1587 PPM 1.61 % CH₄

5:35

#3 Bus going to 78B from ~~Portal~~ Ellis Switch

5:36

Riverton Gold TEAM BK 116 observed smoke
(Dennis) 0% CH₄ 4 PPM Hot spots were smothered
Left 2 people there116X
20032

5:39

O'Block 21% O₂ 9 PPM 0% CH₄

5:40

Building Seals @ 18-19 Block across 1-2-3 Entries
Will Be AT 1BK sub/ LAST VICTIM 22 headgate

4-12-10

Pg 9

P.M.

5:41 ^{DR1E} SERIS 20.9 O₂ 1585 PPM 1.579% CH₄

5:45 TRAVIS Miller @ 129 - (31) 6' POGO's (5) 8' PO-GO's

5:48 #3 Bus arrived @ 78 2 Rolls Above line on TRIP

5:51 Mountaineer 1 Hang loose @ 105 BK

5:53 #3 BUS B78 to Portal ~~2 Rolls above line on trip~~

6:02 ^{DR1E} SERIS 19.9% O₂ 1883 PPM 1.537% CH₄

6:06 R.C.C. ^{Temp} Seals complete at 18-19
Building from 9 to 17 checks
Told teams we need to flush all faces before
we bring Recovery team up.

6:09 ^{MARK} O'Block 20.9 O₂ 8 PPM 0% CH₄

6:10 ^{Told} Brian MTEER TEAM stage @ 126 x cut & 129 x cut ^{F.A.B.}

6:19 Told BRIAN MTEER 1 & 2 Teams to stay put 118 x cut

6:24 O'Block 20.9% O₂ 8 PPM 0% CH₄

6:26 Seals 19.9% O₂ 1570 PPM 1.49% CH₄

6:30 2 RIVERTON Teams showed up at F.A.B.
F.A.B. permission to switch out teams ~~with~~ working only F.A.B.

4-12-10

PG 10

P.M.

6:39 Seals 19.9% O₂ 1571 PPM 1.48% CH₄6:41 EVENT Curtain sucking in & out at F.A.B. AT 22 H.G.6:43 "O" Block @ 22 H.G. everything O.K. 20.9 O₂ 8 PPM 0% CH₄
(Previous Reading)6:48 "O" Block 20.9% O₂ 5 PPM 0% CH₄

6:50 Fed. & State men will walk curtain line back to source. Teams running out of air & stamina. Requests to retrieve victims at this time.

6:52 Temp. Stopping in up to B18 with ① Open BK

6:53 R.C.C. Get air quality in Block 19 xcut

6:58 R.C.C. Mark told to ~~set~~ erect (Joe Renier) Curtain at triangle #3 to direct air toward seals on 8 North area.

7:04 Need Air Quality (Waiting on Travis) AT BK 18

7:08 "O" Block 20.9 O₂ 7 PPM 0% CH₄7:09 Seals 19.9 O₂ 1568 PPM 1.46% CH₄7:21 ~~Seals~~ "O" Block 20.9 O₂ 5 PPM 0% CH₄7:22 Seals 19.9% O₂ 1566 PPM 1.36% CH₄

(9)

4-12-10

PG 11

P.M.

7:25 17.2 O₂ 1.5 CH₄ 70 PPM at B18
in 22 H.G.

7:25 BAISDEN'S
BAYS TEAM IS RT VICTIMS

7:27 Bringing 5 Buses from end of track to Postal
2-3-15-7-5

7:41 Taking Body Bags from 78 to Victims ^{FLINT RIDGE} KNOTT COUNTY

7:43 Mark has 3 teams that are worn out - Requesting
O.K. to start teams out - R.C.C. grants O.K.
to start these teams out, FROM F.A.B. at BK 5

7:45 SEALS 19.9 O₂ 1541 PPM 1.32% CH₄

7:50 R.C.C. told to go to F.A.B. @ BK 5 ^{FLINT RIDGE} ^{FROM} KNOTT COUNTY BK 100

7:56 Joe Rumion Built Check at #3 triangle

7:56 SEALS 19.9% O₂ 1563 PPM 1.42% CH₄

8:00 (DURNE) Phone at 4 cut #7 HAVE ① MAN BAGGED

8:09 BRIAN @ BK 100 (asking about MSHA Relief People)

8:18 DURNE 1st VICTIM
- GOING OUT BY F.A.B. TOWARD 129

P.M.

TEAM

8:18

Flintbridge @ 129 go to F.A.B. give body Bags
to Massey team - then go back to F.A.B.

8:22

VELOCITY

V228 to 27019.7% O₂at #3 triangle
to seals

8:29

3 Buses went U.G. w/teams
sheets on #3 BUS

8:31

DUANE (will need sheets) 20 minimum

8:33

@ 129 - 1 Stokes There

8:36

F.A.B.

TEAM

DUANE - WOLF RUN THERE

8:40

5 trips with 10 Teams headed to B78

8:40

2nd Victim leaves F.A.B.

8:43

Seals 19.9 O₂ 1541 PPM 1.37% CH₄

8:46

3rd Victim leaves F.A.B.

8:54

DUANE 4th Victim leaves F.A.B.

8:59

Medical Examiner wants 20 more sheets

9:03

4 Rides at Ellis Switch on to 78

9:12

Seals 19.9 O₂ 1572 PPM 1.38% CH₄

4-12-10

PG 13

P.M.

9:16 #5 VICTIM LEAVES F.A.B.

9:19 ^{MORE} NO VICTIMS ARE READY TO TRANSPORT AT THIS TIME9:26 6TH VICTIM LEAVES F.A.B.

9:30 FRONT 4 Buses From 78 to Portal

(KEPT)
#15-5-29:40 7TH VICTIM LEAVES F.A.B. [#22]9:42 Seals 19.902 1574 PPM 1.37% CH₄

9:52 HAVE (5) Rides + (2) for Victims at end of track

10:06 Seals 19.8% O₂ 1805 PPM 1.95% CH₄

Told to go to 129 (Disconnect Phone & take pumps)

10:10 (1) VICTIM loaded on MANTRIP

#14

10:16 2nd VICTIM " " "

#15

10:24 8TH VICTIM LEAVES F.A.B. [#21]10:26 3RD VICTIM loaded on MANTRIP [#17]

10:30 4 Buses from 78 are outside

10:34 4TH VICTIM loaded on MANTRIP [#16]

10:38 Curtain Has been taken down in #2 Entry 22H.G

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P614

PM

10:43 9th VICTIM LEAVES F.A.B. #22 ALL PERSONS ARE MOVING OUTBY FROM F.A.B. AT H.G. 22.

10:53 ^{VICTIM} #8 arriving at 129

10:56 #18 VICTIM LOADED IN MANTRIP #18

11:06 #9 Headed outby 129

11:08 #19 Victim loaded in mantrip #19

11:09 wolf run team inby 129 - TO Pick up supplies

11:13 Told to go back and disconnect batteries on Scoop and forklift inby Mother Drive.

11:18 #21 just left Mother Drive

11:19 #20 VICTIM IS LOADED IN MANTRIP #20

11:22 Southern App MR Team Inform To Exit By North Portal
Command Informed Rescuers That All Personnel That Went Inby FAB Has To Exit Mines By North Portal

11:30 1st Trip ~~GOES~~ Trip Goes To North Portal

11:31 PM 2nd ~~TRIP~~ Trip Goes To North Portal

3rd Trip Goes To North Portal

P.M.

4-12-10

Pg 15
4-12-10

11:35 Scoop Batteries & Fork Lift Batteries Disconnected

11:42 Victim loaded on MANTRIP # 21^{8TH}

11:54 Busses leaving outside to U.G.

11:55 Unhooking phone at Mother Drive,
and moving out.

11:55 Victim loaded on MANTRIP # 22^{9TH} LAST one

END 4-12-10
midnight

A.M.

4-13-10

PG 16

- 12:01 one trip leaving B 78 to Ellis Portal
- ~~12:02 2 Mantrips With VICTIMS leaving BK 78~~
- 12:03 unhooking phone BK 98 and bringing Stinger with them to 78 BK.
- 12:05 ② Mantrips leaving 78 w/ 9 Victims to Portal
- 12:15 @ 88 BK disconnecting phone - Headed to 78 BK
switch to North Portal
- 12:17 #8 Mantrip @ Ellis ~~to Portal~~
- 12:25 Ellis Switch - ③ Trips went to Ellis Portal
① Trip went to North Portal
(Also UBB Portal)
- 12:27 Driver doesn't know way to Ellis Portal
① Trip toward Ellis Portal
- 12:28 Everyone at 78 BK
- 12:30 Mantrip 14 @ 78 BK - go to Ellis Switch
(Needs decontaminated)
- 12:35 ^{MANTRIP} Rescue team went to UBB side from Ellis Switch
- 12:38 Ellis Switch - trip coming in

4-13-10

PG-17

A.M.

- 12:40 ~~Shane~~ Jeremy - trip toward Ellis ~~Portal~~ Switch
- 12:42 TOTAL AT 78 (50 MEN) need Ride OUT
- 12:44 Last ride just ^{PAST} Plumley at 15 BK
- 12:44 Ride leaving to Ellis Portal from Ellis Switch
- 12:47 Jeremy at Ellis Switch - Leave to North Portal
- 1:01 Trip loaded to go ^{FROM} to Ellis 78 BK to Ellis Switch
- 12:57 VICTIMS ARE OUTSIDE
- 1:11 Jeremy arrives at Plumley Switch
- 1:11 ~~Shane~~ ^{SHANE} to Ellis Portal from Ellis Switch
- 1:12 4 trips left Plumley to Ellis Switch
- 1:25 Shane McPherson ^{Ellis Portal} ~~outside~~ to Ellis Switch
- 1:31 Ellis Switch to 78 B (4) TRIPS
- 1:36 Shane Ellis Switch to 78 B (1) TRIP
- 1:40 Will need (2) MORE Rides ^{STILL AT BK 78} HEAD COUNT 80 MEN
- 1:55 LEAVING BK 78 TO ELLIS SWITCH
Shane + 3 Trips to Ellis Portal (4 TOTAL)
1 Trip to UBB side

A.M.

4-13-10

PG 18

2:03 19 men @ BK 78 LEFT + 1 at switch

2:13 3 Rides out Ellis Portal FROM Ellis Switch
2 " out VBB Portal

2:24 [Shanes Trip outside at Ellis Portal
[All Three trips were out at Ellis Portal
[Sent ② Trips back to BK 78]

2:51 Last 2 trips leaving BK 78 to Ellis Switch
Unhooking phone at BK 78. CHARLES KAWN

3:30

ALL TRIPS ARE OUTSIDE

A.M.

NO ONE LEFT UNDER GROUND

DRILL CREW WILL BEGIN NITROGEN INJECTION