Crandall Canyon
HQ log book
Part 1

H_2S?

2 mine rescue teams UG

teams:
Pea Creek
MSHA team member UG → repairing ventilation

exhausting system

18% O_2 ~~X~~CUT 120
20 ppm CO
0 % CH_4

2 SCSRs per person
SCSR - 30 min cache

FO Supv at mine (b) (7)(C)

(b) (7)(C) Lane Adair (b) (7)(C)

satellite being sent
Command center en route
bottle samples at fan

Allyn Davis DM D9 Call 10:00 A.M EST. 8/6/07

1. First Team — to w/in 1000' with spool of wire for phone then assess the conditions.

   - Communication is the most important consideration as of 10:16am EST — No Explosive gases have been detected.

2. Amy Louviere was mentioned but Medis leasion is being requested by Allyn Davis. Suggested that 'reagional' be contacted. Dunk Fill Pot working on.

3. 2 SCSR's per person but no breathable air w/in 2000 feet. (b) (7)(C)

8/6/07 10:35 AM EST Phone call
Allyn Davis DM D9

X CUT #124 between 44, 46 Block

#3 Past cavein wiggle thru
#4 #3 #2 + x cut to #1 Blocked
* 11:05 : RIBS are the obstructions in the entries

Diesel equipment on the way from other mines to load out the falls

Is there a access to the surface? This is being evaluated.

List of Question?

1. What is the distance from the surface?

2. After exploration of 1000 ft will ventilation be repaired or will teams continue to advance?

3. Plan for controls to be repaired.

4. What resources are available for roof support and possible rehabilitation of entries?

5. Has a plan been formed to isolate electric power inby rescue teams?

6. Are seals being checked on the outby? If not they must be checked and monitored?

7. What is the source of the low O_2? Is there a mapping of source? Gradient?

8. Air intake on the Section: O_2 = ? CO = ?

10:35 ALLYN DAVIS D9 DM 8/6/07

6 O_2 Air coming from between 44, 46 Blocks

1. (Long way) will be asking. ≈ 4 mi to portals.

- 1500' of cover
- 44, 42 #4 #1 entries Communication lines to be brought up to the face.

- Fire bossing the rest of the mine.

Continued of 10:35 UPDATE

- Barrier ≈ 55' Could be more

Discussion

(b) (7)(C)

(b) (7)(C) explained that regional could be at the mine in 4-5 Hr.
HQ will be there by in the morning.

11:05 Allyn Davis

- The entries are blocked from pillor failure not roof falls as previously reported.
- Feeder breakers from another mine?
- Load out with Diesel scoops. #124 #125 #42, 44 block
- FAB at X cut 121 near where the Low O_2 was encountered.

(b) (7)(C)

- Bill Denning
- Carla Marcum

} Family Liason's on way to Mine

STAFF BRIEFING

MATT
John
Mr Stickler
Bob Friend
Stricklin
Terry
Durk
Melinda
Ed Clair
Mark
Bill Crocco
Heidi
Charlie
Marcus
Jim Crawford

OCIA Thomas Stoller
(202) 257 5711
Andrew
Linda Tiler
Air force will be flying
Seismic eq. to mine site.
Eric ~~Schroder~~ Schowder
(202) 693 - 4604

(202) 693-4600
28

OCIA - She
Chriss Iverson
202 693
4639

Kevin Stricklin
Gave briefing:

Questions:

What is a bounce? OCIA Richard Answ
Bounce is not an Explosion? OCIA " "

3:51 A.M District Notified MST
3:40 A.M Time of Accident

Mr. Stickler informed Andrew to let him know if anyone else needs to be updated.

- Will there be supplemental Roof Support available. Transportation to the site U.G.?

- A1 Team??

AP Release

- Seismic Event
- Rescue team w/in 2500' of
- ≈ 4 miles u.g.
- 6 miners unaccounted for

Mr Stickler suggested 11:43 EST that a schedule be established for around the clock staffing of HQ Command Center.

The same should be established for the mine.

There was also suggested that someone with technical expertise accompany (b) (7)(C)

- Establish control for Command center at the mine. Check w State Police Utah
- See if Govener wants to be updated.
- Call UMWA (Kevin) Terry will call

Allyn Davis 11:53AM EST 8/6/07

- Impassable beyond #126 X-Cut
- slabbing on both sides of barrier
- Drill is coming but could be ↑ 48 HRS before start drilling:
  - looking at drilling through pillars - Horizontal Drilling

* On the way to the mine
Bob Cornett, Allyn Davis

Bill Denning, Don Gibson

6 ARS at Price [redacted] F.O.

(b) (7)(C) on the way also

12:15 EST Bill Knepp. 8/6/07

- Possibility of breeching Seals on Main West to access was discuss
- Also other access being discussed.

Allyn Davis 12:7 PM. EST 8/6/07

Talked Bill (Davis?) Taylor Ted Farmer

Bob Murray is on site now. and may be talking to

Allyn Davis cell (b) (7)(C)
Bob Cornett

- Idea – Main West access (again)

Tell Tell Allyn Davis that Carla Marcum sometime tomorrow. Family Lieason

1:19 P.M. Bill Knepp 8/6/07

- Breech Main West and Send in MR Teams under apparatus to explore. #1 or #2

— Talked to Bill Taylor at Mine

- Concurrently loading out material from entries.

- Seals in Main West (Minovas)

+ Is water line being used as compressed air conduit? Yes but there is still issues with water in the lines.

+ Air Quality - lowest 16 - 17% O_2
40 ppm CO

- Hand held readings from undergrow at the furtherest advance.

upon Next update Ask

- Media being set up.?
- Who is acting as family Liason?
- Where is the family.

(b) (7)(C) 1:40 PM 8/6/07

Update: 2 FO Supervisors 2 insp[illegible]

2 Rescue Teams on site
2 " " on the way t[illegible] [illegible]ne

Govener will want a call soon a [illegible]eeting is over in Boise.

Technical Support on route to [illegible]

Surface borehole and underg[illegible]d drilling being pursued.

* McAtter was on CNN and oth

EST
2:00 PM. Allyn Davis 8/6/07

- Ted Farmer will be going down to talk w/ Family. and will address the media.
- Media and Family in Huntington, WT. Senior Citizens Center.
- Ted will not speculate.

Discussion

- One Resource button on Web site
  - media update schedule
  - Information.

- Equipment from Technical Support

(b) (7)(C)

2:18 PM. Bill Knepp. 8/6/07

1. ~~Strata Product~~
Pack Setters on Main West Seals

- Material being removed is tightly Compacted
- Concern on triggering another event.

2. No interruption on excavation of material in the entries.

- Some trouble in getting Scoops up there

3. Electric was told to be checked
- all ventilation controlls were checked
- loading point was established.

3:16 PM Bill Knepp 8/6/07

1. - Breaching Main West
? which Seal has pipe
- Sample atmosphere.

2. - Scoop is down EIMCO Diesel Scoop
3. - Feeder being reworked

Material in the area of the bounce is very Compact.

3:51 PM. Bill Knepp 8/6/07

Command Center at the Mine (Blue Goose)

435 687 2889

" 2430 FAX

- Dirk Fillpot's mail box is full and will not take additional

- #1 Seal 6.8% O_2 0% CH_4
  57 ppm CO

Next update.

- 4:30 update from Mine Emergency Unit Bill Taylor.
- No update on drill pad.
- Some disagreement w/ media statements ≈1700' to the miners suspected location.

Some Air readings @ #126 xcut
16-17% O_2 40 ppm CO
0% CH_4

Discussion

- Using a second Scoop
- Going u.G. w/ Generator
- Going to advance the #4 entry
- Still working on new Setup for the feeder.

4:51 Ted Farmer 8/6/07

Update:

- Kevin Stricklin informed Ted to go to the Gov. Press Conference. represent MSHA remain factual with information! Don't speculate on "Earth quake".

5:24 PM Ted Farmer 8/6/07

- Short press conference.
- 2X2 Hole in 8% O_2
  #1 Main West 0% CH_4
  55 ppm CO
- No Mine Rescue in Main West
  Bill Taylor
- Bob Murray said a vertical drill tomorrow morning 3 days
- REI horizontal drill unknown time to drill.
- Cleam-up in # 4 entry
  - still working on feeder and set belt.
  - No distance.
  - x # 124 just in by
  - Roof has a lattera1 shift in #1 at # 126 xcut.
  - Moving Continuous miner from 3Rd N to Affected Area.
  - 2 Scoops (1 broken down)
  - 3Rd Scoop on site going underground.

Mr. Stickler discussion w/ Blue Goose Emergency

- Think about fuel on Section for Scoops.
  - Back-up plan

- Main focus in #4
  - Bill informed that other options are being developed concurrently.

Ted Farmer Family updated

- Will inform the families that MSHA has gathered all resources that can possibly be used and is involed in the rescue effort.

- After Bob Murray left families had some questions concerning media ie earthquake. etc. 48 Hrs, 24 hrs .....

- Mexican families didn't have many questions percieved language barrier.

8/6/07 7:07pm Al Davis update | Marvin Smith |

mucking w/ Eimco in #4 entry
50' inby 121

hole in seal - lowest seal
rescue team went in to 2nd
XCUT

Main Alert { 8% O_2 0% CH_4
40 ppm CO

saw fall – saw several falls in this area
– no access at this location

- will knock hole in uppermost entry seal to check access
- timbering as they go

- KS gave direction on press conference
- KS " " on family liaison

- EFS Fred Sanchez speaks Spanish
- families in town – Senior Citizen Center
- KS gave instruction on allowing families to be bused by mine site

- (b) (7)(C) not at mine yet

Update
8:25 pm 8/6/07

Bill Taylor

Moved up to XCUT 122

Feeder set up at XCUT 120

Verified conditions in sealed area

8/6/07 9:22 pm EST B of Cornett

Still at XCUT 122

Damaged off seals (Bouncing & bumping)

Still working on tailpiece

Switched out crew about 30 min ago

No MRT VG at this point

Planning press conference about every 2 hours

8/6/07 9:31 pm EST Jeff Duncan called will send Fred Dankey to

Mine

9:45 PM 8/6/07 Pat Hurley Kent Norton will get Fred Sanchez and travel to mine

---

8/6/07 10:14 PM Pat Hurley called Ken Norton 1 hr 30 min ETA

Fred Sanchez 2 hr 30 min ETA

10:30 PM Al Davis 8/6/07

Met w/ families & Press

2 to 3 day operation

talked about siesmic eq.

Mucking from 121 to 122

Miner is in E1 powered up to E4

tailpiece is going to be set Entry 2 outby XCUT 120

Miner being brought from
outside w/ gen-set

Miner at 121 is waiting
for feeder to be set

Pat Boyac MSHA
is on section

families didn't ask questions

Bill Denning w/ families tonight

Rich Laufenberg ~~of~~ will relieve in morning

T5 local gas chromatographs
folks at mine

families will be moved because
press is hounding them

Jeff Kravitz

Minn seismic system should be
at mine now

Large seismic system waiting on
1:30 AM on C17 Air force reserve jet

will take it to ~~the mine~~
Grand Junction - then to
the mine

12:15 AM Al Davis Aug 7, 2007

Problems w/ diesel equip. (2 diesel scoops)
working on both diesel scoops

Jail piece is set

Miner is dragging feeder
into position because there are
problems tramming feeder

Making plans to get
powder and other materials
for seismic system

1:15 AM (b) (7)(C) 8/7/07

Miner still dragging feeder
into position

Plant and Test have arrived

[Ex 7c] has relieved
Al Davis - [Ex 7c] will work
nights and Al will work days

Security is good

Communications are secure.

MRT sent home to get rest - will return in morning.

XCUT 122 is as far as they have advanced - meeting only no CM mining.

SC en route to section (2 SCars)

Next update 2:15 AM (b) (7)(C) 8/7/07

CNN says that they will have an update at 6AM EST

Nothing has changed more roof support materials

Command Center (Blue Goose) update 3:15am (b) (7)(C) 8/7/07

- Continuing to move Shuttle Cars onto Section. (Electric Joys)
- The belt line is now set and feeder operational
- Water lines are being ran to the feeder.

- Another bounce was encountered 3:18AM EST. Very dusty on the section. All rescue workers were withdrawn out by and the workers are being accounted for. Small bumps & bounces have been experienced all evening.

(b) (7)(C) 4:21 A.M. 8/7/07

- All rescue workers accounted for
- Inspector at x-cut #122 and instucted to withdraw (continues to be maned at this loc.) if bounce events warrent.
- Work Continues.

- x-cut 90 to 122 Kennedy Stopping being installed at a rate of 2/Hr. Just start
- Water line is installed up to x-cut #120

Call from Kevin Stricklin 4:29 AM 8/7/07
Send: Stickler, Friend, Pallach
cc: Kevin Stricklin Crocco. Bill

Update 5:23 AM EST 8/7/07

(b) (7)(C)

- 4" water line w/ Booster Pump. to Crosscut #120
- Continuous Miner is operational w/o water at #122, Feeder also
- Company MRT at the mine on stand by
- 20 Rescue workers underground. More being transported to set up Kennedy Stoppings Ready to go underground 6 each shift (2/12HR)

Bob Phillips arrived at HQ and joined 5:23 update.

Question Gas and Air readings during next update:

Kevin Stricklin called 5:50 AM 8/7/07

* Information on Retreat Mining From Safety
Total #
Send also to Richard Stickler & Durk @ OPA. Passed information on to Bob Phillips and Eric Scheerer

---

Update 6:17 am (b) (7)(C) 8/7/07

- Continue to install water line to excavation site feeder.
- Gas Readings 20.8% O_2 0 CO 0 CH_4
  Hand held
- 27,000 CFM @ FAB

CHARLIE THOMAS ARRIVE HQ CONF ROOM 6:15AM
GREG MEHLLE AND BOB PHILLIPS BRIEFED ME ON ACTIVITIES

8/9/2007

INFORMED (b) (7)(C) THAT AIR QUALITY READINGS NEED TO BE PART OF BRIEFINGS.

BRIEFING 7:17 AM FR COMMAND CTR – (b) (7)(C)

- NO MAJOR CHANGES
- 6AM – 6PM SHIFTS – GETTING READY FOR SHIFT CHANGE
- PLAN TO BUILD STOPPINGS ON DAYSHIFT
- EQUIP MOVES ONGOING – MOVING SHUTTLECAR TO SECTION
- INSTALLING WATERLINE
- TROUBLE WITH ONE ELECTRIC JOY SHUTTLECAR
- ELECTRIC SCOOP CHARGING – TROUBLE WITH DRIVE TRAIN

UPDATE 8:25 AM E.S.T. (b) (7)(C)

- #122 XCT
- 1:18AM HAD BOUNCH KNOCKED OUT VENT CONTROLS
- SWITCHING CREWS
- NO PROGRESS SINCE 5PM MONDAY
- 27,000 CFM 20% O_2 0.02 PH_4 0 PPM CO
- PROBLEM WITH COMMUNICATION – NOW FIXED
- 24-26 PEOPLE GOING UG THIS SHIFT
- FOUR (4") WATER RAN
- AIR COMPRESSOR PUMPING INTO WATERLINE INBY (5PM – 11PM DENNING)
  ALLYN DAVIS T CO MEETING WITH FAMILY 2HR INTERVAL)
- SESMIC EQUIPMENT ENROUTE FROM GRAND JCT TO
- 4 TOTAL RESCUE TEAMS ON SITE

4 TEAMS ON SITE
12 TOTAL TEAMS (8.

1) (b) (7)(C)
2)
3)
4)
5)
6)

8/9/2007
C.T.

UPDATE 9:20AM - BILL TAYLOR

- ALLYN DAVIS UPDATE FAMILIES
- GOV UTAH CALLED COMMAND CTR. — KEEP ALLYN DAVIS IN LOOP PRIOR TO CALLING
-
- VENT DISRUPTED 120-109
- TEMPORARY REPAIR -
- * 60 "KENNEDY" TO BE BUILT
- NO POWER ON BELT
- 22 UG (SHIFT CHANGE)
- WORKING ON ROAD FOR SURFACE DRILL SITE
  EMPHASIS ON RESTORING VENTILATION PATH TO RECOVERY WORK

[redacted] AM - 10:40 BILL TAYLOR

TV INDICATES FAMILY MOVED FROM SENIOR CENTER TO A GRADE SCHOOL IN HUNTINGTON, UT

- 42 PEOPLE UG - PEOPLE ON WAY OUT
- WORKING ON VENTILATION DEVICES
- BOUNCE KNOCKED HIM DOWN ON MIDNIGHT SHIFT
- NO VISIBILITY
- XCT 113 25,245 CFM
  #1 ENTRY 20.8% O_2 0.0% CH_4 0 PPM CO

  #2 19,215 CFM
  20.8% O_2 0.0% CH_4 0 PPM CO

  #4 248 0.0% CH_4 0 PPM CO

- # EIMCO 913
- TP SET # 120 #2 ENTRY
- FEEDER SET
- BATTERY SCOOP BROKEN DRIVE LINE
- BILL TAYLOR UPDATE GOV OFFICE 50' ADVANCE ON BOUNCE

8/7/2007

told GOV RESTORING VENTILATION. GOV ON WAY TO SITE OF PRESS CONFERENCE.

12:08

- NO COMMUNICATION WITH HELICOPTER
- ROAD UNDER CONSTRUCTION — 2-3 MILE LONG ROAD (3,500' TO COMPLETE)
- DRILL RING LEFT S.T. LAKE 8AM THIS MORNING PROBLEM TO ARRIVE BY ARRIVAL OF RIG
- FAB MOULD BACK TO XCT #110
  EQUIP #120
  CM #1 + #2
- BUMPING ONGOING
- 29 MINER CONDUCTING RESCUE/REPAIR WORK

KEVIN + MR. STICKLER + CROCCO LANDED ST. LAKE AND CALLED IN TO CONFERENCE ROOM AND WAS UPDATED

* INCLUDE (b) (7)(C) ON ALL UPDATES

8/7/2007

UPDATE 1:30 BILL TAYLOR

- 30 MINERS UG
- 2 MSHA MAPPING
- XCT #2
- GROUND CONTROL PROBLEMS
- HOOKING UP SATELLITE
- WORKING ON DRILL
- TOTAL

63,085 CFM 20.87 O_2 — 2PPM CO
0.06 CH_4

XCT #110 #2 ENTRY

- TELEPHONE LINES WERE PREVIOUSLY INSTALLED IN #1 + #4 ENTRIES
- BOB CORNETT ON COMMAND CTR AFTERNOON

8/7/2007

3:20PM UPDATE — BILL TAYLOR

- ALLYN DAVIS, GOV, SENATOR BOXER, SACILLA, STRICKLIN
- 40 MINER UG —
- WORKING ON PAD FOR LARGE DRILL + SMALL DRILL
- [redacted] PRIMARY 8 5/8" DIA (3PM) — SCHOW (48 HOURS)
  SMALL 2 1/2" HOLE 5PM EST
- AIR QUALITY
  XCT 119
  #1 ENTRY 119 - 12"
  50,905 CFM 20.8% OXYGEN, 0.02 CH4, CO 0PPM

- FAB 1-2 ENTRY #110 XCT
- BOUNCING STILL OCCURRING
- 3+4, OUTBY 113, 114 MAJOR GROUND CONTROL ACTIVITY
- XCT 120 1-2 ENTRY CONTINUOUS MINER IS COVERED WITH MATER

- #3 ENTRY INBY XCT #120 — SIGNIFICANT AMOUNT OF RIBS FAILED

- XCT 3-4 @ XCT 120 BOUNCE FULL OF MATERIAL

- ENTRY #4 JUST INBY XCT #120 ENTRY FULL OF MATERIAL

ACTIVITY

- COMPANY WILL SUBMIT A PLAN TO CLEANUP WITH CM GOING WITH 8' FLOOR TO ROOF SQUARES X 2' CENTERS

- 8" SQUARE ROOF TIMBER // ROOF PROPS 8' WORKING HEIGHT

(4:30 NEXT BRIEFING)

8/7/2007

4:34PM Bill Taylor

STILL IN A MEETING

- WORKING OUTBY XCT #110
- AIR
  XCT #112 #2 ENTRY
  55,605 CFM

  XCT #114 #2 ENTRY
  20.8% O_2 — 0.0% CH_4 8 PPM CO

- #1 ENTRY @ XCT #110
  98,890 CFM
  20.8% O_2 — 0.0% CH_4 2PPM CO

- BOUNCING STILL OCCURRING INBY #118 XCT

- 75% OF STOPPINGS ARE REPAIRED U.G.
  APPROX 45 ARE REPAIRED

- CURRENT 12 MINERS U.G.
  ((ONE MSHA U.G.))

-

5:45PM Bill Taylor

33 persons UG

Performing vent. repairs

~~[illegible]~~ Installed 4 more since last update

Waiting for (b) (7)(C)

E1 XCUT 110 intake ~~[illegible]~~

97,280 CFM

O_2 - 20.8%

CO - 7 ppm

CH_4 0%

E4 - return

Bouncing & bumping activity

ribs sloughed ~~[illegible]~~ onto CM E1 & E2 XCUT 120

CO has not ~~[illegible]~~ submitted plan for mining operations

~~[illegible]~~

XCUT 120 E3 & E4 impassable

E4 indoy XCUT 120 "

8:00 PM Bob Cornett

E1 XCUT 110

Bob
(b) (7)(C) Friend
(b) (7)(C)

20.8% O_2
120,080 CFM
0% CH_4

No drilling
Not drilling at all - trucks ran off road - Helicopter will try to set it back on road

T S Guana Zelanko
travelling into mine

☆ Not hearing bum

990VAC D-box — SC

Second XFMR to section

Bolter surface section - on way

SC surface section - on way

Plans:

2nd CM from surface to section

1500' HV cable to section

1,000' 4/0 cable

set at protection 2/0 cable

9:00 PM Bob Cornett

Intake stoppings complete

XCUT110
114,000 CFM
20.8% O_2
0 ppm CO
0% CH_4

XCUT 118
49,420 cfm
20.6% O_2
0 CO
0 CH_4

XCUT 118 — roots work

little drill - set up - no drilling set up
long drill - ran off road

Air compressor quit - 8:10 pm

11:15 PM Bob Cornett

E1 110xcut

115,520 cfm

20.8% O_2

0% CH_4, CO – 0ppm

Little drill – is drilling just starting 2+"
E3 138xcut

Big drill still mobilizing
8+" E2 137xcut

Blast hole drilling will be done in morning

Will start loading and then will complete return stoppings

Air compressor – working on getting it working

Speaking with
Zelanko/(Guana) –
(b) (5)
travelled to 120xcut

Do calculations to see what forces may be

present where we think miners are and what the best course of action are.

Would like to get a seismic sensor at mine — portable seismagraphy? are a possibility

Activity was normal to what you would hear on a pillar section.

TS has all info needed to make calculations

12:55 AM Bob Cornett Aug. 8, 2007

1. 117,800 CFM @ x-cut 110
   20.8 O_2
   0 CO
   0 CH_4

2. 3 stoppings on return side not sure which x-cuts Kennedy stoppings

3. All workers are checked w/ hames at the Command Center.

4. Miner is currently not working but is in the process of being set up.

1:31 A.M Tommy Hooker August 8, 2007

1. Ron Palleta MSHA AR from Price went into the mine @ 1:15 A.M to insure that regular updated from Face is made.

2. Ventilation controls to x-cut 110

3. Small drill is drilling ≈ 2" Hole

2:20 A.M TOMMY Hooker August 8, 2007

1. [redacted] Laufanberg, Richard is down with the family members at Huntington. Red Cross is also there.

3:12 AM Tommy Hooker August 8, 2007

1. O_2 20.1% x-cut 110
   CH_4 0
   CO 0

2. Continue to build stoppings or ventilations controls on return.

EST.
4:35 A.M. Tommy Hooker August 8, 2007

1. Small drill rig is at 240' Down drilling 70ft/HR
2. The large drill is not on the pad but is close.
3. Family situation is unchanged.
4. #118, 119 Return Side Stoppings finished
5. Another continuous mining machine went underground at approximately 4:30 AM EST.

Small drill drilling a 2" hole into Entry 3 @ x-cut # 138.

EST 5:18 AM Tommy Hooker August 8, 2007

1. The continuous mining machine
2. Small drill has drilled to 290'
3. Big drill pad and drill should be ready around 6:30 MT (8:30am EST)

EST 6:40 A.M Tommy Hooker August 8, 2007

1. Small drill has drilled to 350'
2. Actively moving FAB up to #119 Cross-cut.
3. Feeder is operational at #120 Cross-cut 1 continuous miner on the section 1 being transported u.G., 2 shuttle cars, 2 scoops
4. Big drill nearing operation.

CHARLIE THOMAS ARRIVE 6:20AM

AUGUST 8, 2007 7:50 AM EST
TOMMY HOOKER - IN MEV COMMAND CTR.

UPDATE

- 2" HOLE DN 390-420' DOWN
- 39 MINERS UNDERGROUND) (1 MSHA)

((NOTE: NO E-MAIL SENT ON THIS UPDATE))

AUGUST 8, 2007 9:00 AM EST

- SMALL 2" DRILL DOWN 450'
- BIG DRILL BEING PUT ON PAD (ALIGNED)
- BELT CONVEYORS RUNNING
- PLAN TO MOVE MARRA WITH HOUR
- 115,000CFM @ 6:15 -
- ALL VENTILATION DEVICES REPAIRED
- 7:00 AM O_2 20.9% 0.02 CH4 3PPM CO

AUGUST 8, 2007 10:20AM

(b) (7)(C) 11 FOLKS UG.

- 12 PERSONS UG AT TIME OF ACCIDENT
-
-

AUGUST 8, 2007 11:00AM
UPDATE FR DON GIBSON - BILL TAYLOR

- VERIFIED AT DRILL 2" 450' DOWN - (CASED)
- NEXT 450' WILL NOT BE CASED, ESTIMATE TIME TO DRILL 450' IS 3 HOURS

- DRILL PAD FOR BIG ROTARY DRILL IS FINISH
  8 3/4" DIAMETER HOLE — 3 HOURS TO SET DRILL & BEGIN DRILLING
- MSHA MET WITH MANAGEMENT - LOCKED

- REQUEST FAX
- COMPETING VENTILATION DEVICES
- POWER CABLE FOR MINER MACHINE – BOUNCE DAMAGED CABLE
  RE-ROUTE CABLE MAKE SPLICE. 9:15 POWER ON MINER
  BILL TAYLOR @ NEXT BRIEFING 1:00PM

  REMOVE ALOT OF MATERIAL FROM AROUND MINER

AIR XCT #1
#1 ENT
123,480 CFM

#2 ENTM
XCT 47,400 CFM

20.8% O_2 — 0.0% CH_4 — 2 PPM CO

— — — — — — — —

UPDATE ~~[illegible]~~ 1:25PM 8/8/2007
8-8-2007 –BILL TAYLOR–

- 49 MINERS U.G.
- MODIFYING K-ORDER TO ALLOW SHIFT

ELECTRON/DIC

ROOF SUPPORT ITEM A
PINE 8x8" SQUARE SETS
6x8 HARDWOOD 8" PERPENDICULAR TO RIB

- INTAKE
  XCT #1,9 #1 123,480 CFM
  #2 47,400 CFM
  20.8% O_2 0.0% CH_4 0 PPM CO

8-8-2007

- INSTALL 6"X8" HARDWOOD #1 ENTRY @ JUST INBD XCT 118, 2½' CLEARANCE BOTH SIDES OF ENTRY 2/3 DISTANCE BETWEEN #118 - #119

- CLEANUP - ROOFBOLTING

- NEW MINING PLAN BEING EVALUATED) PROPOSED IN ADDITION "UPDATED 8-08-07"

  SPECIAL PRECAUTIONS A) 4"X8" 1½" THICK LEXAN TO PROTECT MINER OPERATOR

  B) USE MINE BELTING UNTIL LEXAN ARRIVES

  C) ALL UNNECESSARY PEOPLE OUTBY FAN

  d) LIFELINE TO MINER OPR.

  e) SIGN CHG - STOP MINING MSHA PERSON UG HAT

  f) ADDITIONAL SCSR'S INBD XCT #115

- BELTING UG IN LIEU OF LEXAN TO START LOADING OPERATION.

-

NEXT UPDATE 4:00 PM EST (1600 HR)

- BOB FRIEND ASKED THAT MESSAGE FROM SENATOR HATCH APPRECIATED ALL THAT MSHA IS DOING

8-8-2007

4:00PM

UPDATE FROM BILL TAYLOR MGR COMMAND CTR.

- APPROXIMATELY 2 HOURS (6PM EST) WILL START MINING #1 ENTRY
- CONTINUOUS MINING @ XCT #120, #1 ENTRY
- CURRENTLY SETTING FLOW TO ROOF SUPPORT 25' INBY CROSSCUT #119
- AIR QUALITY & QUANTITY @ XCT 118-#119 #1 ENTRY
  121,023 CFM 20.8% O_2 0.02% CH_4 7 PPM CO
- SMALL DRILL DN. 720' @ 4:00PM EST
  DRILLING AT A RATE OF APPROXIMATELY 1 FEET PER MINUTE
- LARGE DRILL SET UP ON DRILL PAD
- ROD PLANCK - FOREST SERVICE SUPERVISOR - (CELL (b) (7)(C)) CONTROLLING ACCESS TO DRILL SITES
- GAVE BOB FRIONO MESSAGE FROM SENATOR HATCH

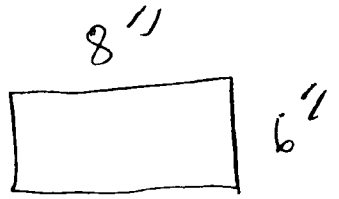
[8-18-2007
BOB CORNETT CALLED IN AND INFORMED US THAT APPROXIMATELY 28 MSHA PEOPLE ON DAYSHIFT PERSONNEL CHANGE TOMORROW
NOT E-MAILED]

(b) (7)(C)

MARCUS BRIEFED AT 4:45PM

8/8/2007 6:00 PM

roof bolting at 118 XCUT



timbering XCUT
25' inby 119

roof has settled down

2" drill 760 ft deep
waiting on water

8" drill 20 ft and drilling

shift change

54 UG in switch change

FAB
118
XCUT 119 120,000 CFM

0 - CH_4
7ppm CO
20.8% O_2

No breathable air ordered
SCSRs - 2 per mine per company

2nd CM at 80 cut
going into mine

~~Once they bolt the~~

6 bt resin bolt

6" x 6" plate

chain link

scheduled CO & MSHA
meetings ~~at~~ 7AM 7PM
shift change 6AM 6PM

Mr. Stickler UG for 3 or 4 hours

Billy Owens - Crandall
Creek is only D9 mine engaged
in pillar mining

7:30pm Bob Cornet

#2" drill 920' deep

8" drill 20' deep
broke down
mending some pieces

Siesmic - running 6:30pm EST
getting signals from
drill

41 persons UG
2 including MSHA UG

XCUT 120 105,300 cfm

20.8% O_2
0 - CH_4
0 - CO

tembered up
to 120 xcut
setting rock props
bolting done at tail piece E2 XCUT 120

bolting E1 & E2 only

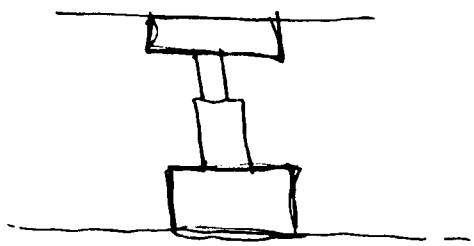
rock fell in #1 - have to go back to bolt

hope to start loading

Prock prop -

water

jack pot



8:45 pm update
Bob Cornett

2" drill 940'
broken hose

8" drill still down
working on shaft?

XCUT 120
119,475 cfm
20.8 O_2
0 - CO
0 - CH_4

E2 XCUT 120
isolation

cable wound with prop at
XCUT 120

CM in E1 XCUT 120
SC behind CM

10:45 pm Bob Gorrell

At 9:30pm bolt
drills ~~[illegible]~~ running
small 1,000'
big 20'

- XCUT 120 113,400 cfm
  20.8 O_2
  0 - CH_4
  0 - CO

- extra SCSR cache (30%)
  at FAB

- FAB at 119 xcut

- 60 people UG
  3 - MSHA

- Murray has taken 5 mins
  looks UG - Newsweek
  w/ 2 MSHA inspectors

AT FAB

CRANDALL CANYON

8-9-2007

(b) (7)(C)

TO INFORM THEM BOTH THAT DRILL HOLE DEPTHS ARE #2 ENTRY, #137XCT IS ~~1864'~~ CT 1869

#3 ENTRY, #138XCT IS ~~1884'~~ CT 1886

8-9-2007 UPDATE FROM BILL TAYLOR

(b) (7)(C)

12:40 EST Bob Cornett August 9, 2007

1. 2" Small 1040' depth of drilling
   8" Large 115' " " "

2. Approximately 12:10 AM EST Miner began excavation in #1 and has currently advanced 60'. Has pulled back to set the rock props

3. Media Members just exited the mine.

4:40 AM EST Tommy Hooker August 9, 2007

1. Mined up to cross-cut #121 is setting Support
2. Large Drill has drilled to depth 300 feet
   Small Drill has drilled to " 1250 feet

6:30 AM CHARLIE THOMAS BRIEFED BY GARY METZLER

6:57 A.M EST Tommy Hooker August 9, 2007

1. 2" Small Drill 1350 Feet Putting on Directional bit
   CT 1969 ~~1834~~' Above the mine
   8" Large Drill 355 Feet
   CT 1886 ~~1664~~'

CRANDALL CANYON

8-9-2007 8:45AM BILL TAYLOR -

CONTACTED COMMANDER CTR TO INQUIRE IF MSHA TECH SUPPORT HAS A CONTRACT FOR CABLE AND CAMERA TO GO TO A DEPTH OF 1900-2000'.
ASK WHICH SURVEY WAS CONDUCTED TO DETERMINE ELEVATIONS.

8-9-2007 UPDATE FROM BILL TAYLOR

TWO (2) COMPANIES ON CONTRACT.

SUB-STRATA -

HEAD ENGINEER @ MINE HAS A CAMERA

Camera contractor is in ST. LOUIS
1¾" 1⅞", 5000' OF CABLE
VOICE PROBE HAS 2000'

865 310 4421

ONE CABLE TRUCK IN AZ.

8-9-2007 9:20 BILL TAYLOR UPDATE

- MINER 60' INBY 4121
- STOPPING BUILT XCT 120, SETTING ROCK PROPS BOTH SIDES OF ENTRY
- BOLTER SMALL ROOF FALL INBY XCT 120
- 2½ DOWN 1440'
  8 " 355' - INSTALLING DISCHARGE BIT

10:08

AIR QUALITY

2" 1869'
8" 1886' > DRILL RIG REPORT

117,338 CFM #1 ENTRY, CROSSCUT #119 - #120
20.8 O_2 0.03 0 PPM CO

* ROCKBOLTS 30' OUTBY XCT #121, #1 ENTRY

HAD TO REMOVE 5 ROCKBOLTS AT XCT 120 FOR S/C CLEARANCE.

ROCKDUSTING #1 ENTRY

30 ADDITIONAL SCSR'S AT FAB

CAMERA'S LAVAL SIDE SCAN 3 1/4" CAMERA
" SLIM 1 1/2" TO ARRIVE THIS MORNING

WILL CONTINUE STALLING ROCK PROP'S UP TO #121 WHAC MELL,

CRANDALL

8-9-2007 UPDATE ~~1:30~~ PM BILL TAYLOR
1:45 PM

- 2" 1530' DEPTH
- 8" STILL @ 355' – HELICOPTER LANDING WITH PM

- UG #1 ENTRY, JUST INBY XCT #10
  141,400 CFM
  20.8 % O_2 0.0% METHANE 0 PPM CO

- SUPPORT SET 10' INBY XCT #121, #1 ENTRY
  (DIFFICULTY FINDING BOTTOM TO SET PROPS)
- TS RECOMMEND ADD'L SUPPORT AT FEEDER BREAKER.

- 1120AM MT 1:20PM SM UG DOING RESCUE WORK

- ~~AA~~ NATIONAL GUARD – UTAH
  SPECIAL LIAISON WITH GUARDMAN
  (801) 910-9900 JEFF GRAVITTS
  WILL DELIVER CAMERA TO DRILL SITE

- 170' ATS X 160
  130' X 180'

- Bill Taylor called back at 2:10 pm and stated that the miner is now running.

NOTE: GEORGE FESAK ATTACHMENT SENT TO MR STICKLER VIA E-MAIL. BILL TAYLOR WILL PRINT AND DELIVER TO MR. STICKLER

8-9-2007

11:30AM BILL TAYLOR

- CAMERA TO ARRIVE ST LAKE CITY 6PM EST
  1½ SLIM LAVEL.

- 0850AM MT 2" 1480'

  8" 355' — NEED PROPER SIZE COUPLER

- BEING HELICOPTERED IN — NO ETA — MUST HAVE PROPER COUPLER

- AIR QUANTITY + QUALITY
  #1 ENTRY XCT 119-120 121,660 CFM

  #2 ENTRY " " - " 48,440 CFM

  20.9 % O_2, 0.0% CH_4, 2PPM CO

- NOT MINING — COMPLETED SETTING ROCK PROPS
  INBY 121 — INSTALLING WIRE MESH

  10:45 12:45 SCH TO START BACK MINING

- BOLTS INSTALLED PRIOR TO SETTING

- 4TH — 10:18AM 8-8-2007
  K-ORDER

- 10 AM PRESS BRIEFING

8-9-2007

3:15 PM — SMALL UPDATE FROM

2" HOLE 1580' DEPTH

START 8" 367' DEPTH

NO E-MAIL SENT ON THIS SMALL UPDATE

E-MAIL FROM JOHN PALLACH, THE ESCAPE CAPSULE IS BEING SENT

8-9-2007

- 2" HOLE 1580'
- (b) (7)(C) CALLED 4:10 PM AND
  TWO (2) CAMERAS ON SITE FOR BOTH BOREHOLES
  ONE CAMERA 7½" DIA 1½" CAMERAS INSIDE AND OPERATION
- 8" HOLE 367'
- 40 MINER UG
- AIR QUANTITY #1 ENTRY, INBY XCT #120
  157,290 CFM
  20.8 O_2 0.0% CH_4 1 PPM CO
- ROCKBOLTING TO MINER
- ROOF PROPS INSTALLED 10' INBY #121
  #1 ENTRY
- MINER IN 45' INBY XCT #121, #1 ENTRY
  WILL BE SETTING ROOF SUPPORT SHORTLY

CALLED FROM CRANNAL CANYON

VIRGIL BROWN - CONFIRMED 4:26PM

VOICE + MIC EQUIPMENT ON SITE. -

MARCUS - TERRY BENTLEY + BOB FRIEND WANT UPDATES E-MAILED EVERY TWO (2) HOURS. TOO MANY FOLKS CALLING IN THAT WANT INFO. SO MAKE SURE TWO HOUR UPDATES

2" 1620'
834" 462

PHONED TO MELINDA FROM BILL TAILOR AT 4:55PM.

5000-23 forms
SCSR training
escape routes
lifelines

6 PM Ted Farmer

Dave Jensen
Ted Farmer

2" 1,660 feet rate 25'/hr

8" 560 feet

rock prop XCUT 121
rock dusting

loaded 8 or 9 SC so far

next push will reach 122 XCUT

49 UG (including 3 MSHA)

checking 3" camera for 8" hole being tested

MSHA
escape capsule is there
from Price, UT

Jack Dupont is shipping one to
arrive on Saturday

1869
- 1660
209 feet

$\frac{209 \text{ feet}}{25'/\text{hr}} = 8.36 \text{ hr}$

8 hr.
21 min.

8/9/07

7:10 pm Ted Farmer

2 1/2" - 1700 feet

1655 MST Reading
0 CH4

17:00 MST Reading
8 3/4" - 660 feet
0 CH4

@ 1700 hrs MST
20' in by XC 122

Starting to set Rock Props

1650 air reading

35' out by XC 120 #[1

105,300 CFM
20.8 O2
0% CH4
1 ppm CO

---

1) check if pictures are available & will download
2) will check on diameter of capsule
3) will send info on drilling equipment (small & large)

8/9/07 Bob Cornett

9:45pm

Long drill

Boost & Long year LM140

2" Lancaster drill

Long year HC150

36 miners UG

9:00pm

→ 2" 1,770 ft

→ 8" 740 ft

> CH_4 - 0%

Temp vent device at

50' outby xcut 119

105,350 cfm

20.8% O_2

0 ppm CO

0% CH_4

M 20' inby 122 xcut

rock props up to ~~one~~ center of xcut
122

rock dust up to end of rock props

no bumps or bounces

8:00 pm section lost power & water
on section
~~wad~~ ruptures, water line repaired

9:15 pm power and water restored

9:35 pm SC broke down - still down
inby 120 xcut

TS capsule will arrive 12 noon Saturday

24" = diameter of Price, UT
capsule

8/9/2007

11:45pm Bob ~~Cor~~
Cornett

11:10pm
no CH_4 < 1845 - 2"
840 - 8"

Everyone is out in anticipation of the 2" drill punching through

Kravitz at drill w/ state troops who have ~~com~~ gathered cell phones

Kravitz will call Richard w/ families w/ updates
Press will then be briefed

12:48 AM EST Bob Cornett 8/10/2007

1. Rescue crews have reentered the mine.
2. Other information is being transmitted and will be relayed to HQ.

1:54 AM EST John Pallach 8/10/2007

1. Family Briefing was completed
2. Microphone with a light, was dropped into 2" hole for approximately 30 min.
3. 2" hole has intered the mine and there was an opening.
4. The large drill has begun drilling again.
5. MSHA officials are going to brief media.

2:40 AM EST Tommy Hooker 8/10/2007

1. Large Drill is 944' in depth

2:48 CNN – Mr. Stickler / Bob Murray

1. 2" Hole is into mine and there is a Cavity The microphone is into the mine through the drill steel

2. O_2 in Cavity was 20.5%
CH_4 = 0%
CO = very low

7:00AM GREG BRIEFED CHARLIE THOMAS

8/10/2007 UPDATE FROM TOMMY HOOKER 7:25 AM EST

- 0510 MT HRS 8" HOLE DN 1,132 FEET, CH4 0.0%
- 0445 MT HRS STARTED LOADING MARRA
- PROPS SET 77' INBY XCT #122, #1 ENTRY
- 47 PERSON UG, (3 MSHA INCLUDED)
- AIR QUANTITY + QUALITY 98,050 CFM
  80' INBY XCT #120 #1 ENTRY

NEXT UPDATE SCHEDULED 9:30 AM - ~~[illegible]~~ C.T.

8/10/2007 update 9:40 time

- Large drill down 1222 ft No methane 6:52
- 6:10 Air 8218 CFM 20.8% O_2, 0% CH_4 0.0% CO ~~[illegible]~~ 120
- CM location # up to 127 ft inb 80.0 ft inby, #122 Loading
- Miners underground 44 & MSHA 3
- Fan chart monday =?

Roof bolting in intersection of #123
Rock dusting
Muckings in by
Rock Props in by 122 ≈ 77 ft
7:35 Gale loader (Mucker) stopped loading.

- Asked d

8/10/2007

1)
2) EARLY RDG > 20.5%
3)

DRILL BIT RMS

1)
2) > 7%
3)

SIMILAR TO MINE RESCUE TEAMS WHEN BREACHED

4 HOUR SURVEY ON BIT

- MET WITH FAMILIES AT SCHOOL -
2½" BOREHOLE IS BEING SURVEYED

8/10/2007 ~~[illegible]~~ AM UPDATE BILL TAYLOR

53 PERSONS UG
8" DRILL DOWN 1302' 0.0% CH_4
PROPS SET 12' OUTBY XCT #123, #1 ENTRY
MINER @ OUTBY EDGE XCT #123, #1 ENTRY
WILL DO ADDITIONAL CLEANING
AIR QUALITY #1 ENTRY, 80' INBY XCT #120
135,800 CFM
20.8% O_2, 0.0% METHAN 0 PPM CO

20' INBY XCT 123 LOC OF MINER

GALE LOADER REPAIRED AND IS OPERABLE
SMALL BUCKET TO HELP INSTALL PROPS

o FAX COPY OF LOST ^

8-10-2007 AFTER UPDATE BENTLEY, PUN, SEARS, THOMAS + MEIKLE CALLED CRANDALL CANYON MEU COMMAND TALK TO BILL CROCCO CLEAR AN ASK WHAT O_2 READINGS WERE AT BOTTOM OF 2" BOREHOLE, #3 ENTRY, #138 XCT WAS IN MEU LOGBOOK

A)

	O_2	CO_2	CO_2
MIDNIGHT	20.76 %	.21	10 PPM
	20.73 %	.22	12 PPM
1:45 MT (3:45 EDT)	8.17 O_2	.53	186
1:55 MT (3:55 EDT)	8.20 %	.53	180

#4 ENTRY 42' INBY XCT #120

31,560 CFM
0.0% CH_4
0 PPM CO
20.8 % O_2 ← COLLECTED TWO BOTTLES

#119 - #120 SUMP DUMPS EXPLORER THIS SHIFT

Update from Bill Taylor 12:45pm

- distance from $3\frac{1}{2}$ ft to unconsilated Materia
  2 ft More
  $5\frac{1}{2}'$

Drill Crew estimated distance

For Bob Friend.
643-9414

- 10:28 MT time.
  Trying to extract the communication probe from the 2" hole + the line broke.
- Trying to fish out probe (MICROPHONE/SPEAKER)

8" hole 1,344 FT $CH_4 = 0$

BILL TAYLOR

- RETRIEVE 886' CABLE, 1000' WOULD DOWN HOLE

BRANDALL CANYON

Aug 10, 2007 Bill Taylor

- 2:25 time
- Large drill down 1,444 ft
- CM Location is just inby XC 123.
- Air readings location 80' inby CX 120, Plenty 117,180 CFM 20.8% O_2 0.0% CH_4 0ppm CO
- 68 total Miners underground _____ MSHA
- Roof Props currently within towards XC 123.
- 8" hole 1,444 feet No CH_4 readings.
- Cleaned up to XC 123
- Still working on 2" hole probe recovery
- Any bounce activity = No.

8/10/2007 Bill Taylor

- SUCCESSFUL FISH OUT MICROPHONE OUT OF THE 2" BOREHOLE - WORKING ON CALCULATIONS AND VERIFYING LOCATION OF MINE INTERSECTION
- 54 MINE RESCUE PEOPLE UG.
- 8" DRILL 1505' DEEP CH_4 = 0.0%
- SATELLITE AT DRILL SITE (b) (7)(C) (RODNEY ADAMSON OR OTIS MATTHEWS)
- AIR QUAL + QUAN.
- #1 ENTRY 80' INBY XCT 120

97,020 CFM 20.8 % OXYGEN
0.0% METHANE
0 PPM CO
NO_2 0 PPM

- BROKEN SHEAR PIN ON FEL 1605 - 1630 25 MIN FEEDER BREAKER
- CLEAN UP 35' INBY CANNA, XCT 123 #1 ENTRY
- SCREEN + PROPS SET #1 ENTRY, INSTALLED 123 XCT AND AROUND OUTBY + INBY 100' CANNAL

#4 ENTRY 2 GOOD SOLID BOUNCE @ APPROX XCT #125 IN #4 ENTRY

AIR QUALITY JUST INBY XCT #126
#4 ENTRY 60' XCT 126
1:08PM - 3:08 EDT 20.8% O_2, 7 PPM CO, 0.0% METHANE

Taken by Marcus Smith

6:30pm Ted ~~Smith~~ Farmer

8" drill

down 1,584 feet

lump E1 xcut 120 & 122

MSHA inspector's light went out he went to get light and will go back and take air readings

rock props 30' inby xcut 123

deaney 70' " " "

RB 70' " " "

38 including 2 MSHA

2"

18:20 MSA 7.902% O_2 139 CO ppm

ITX 6.902% O_2 193 CO ppm

Solaris 6.8% O_2 160 ppm CO

5 bag samples

Note: The onsite command center was not ready at 0830 pm - update received @ 0854 pm.

Bob Cornett

8:30 pm ~~Ted Former~~

→ @ 815 at 1646 8" hole [redacted]

→ 2" hole
7½ % O_2, 180 ppm CO, 0% CH_4

→ @ 845 the miner is 75' inby 123 rock props
40' inby 123

→ @ 810 #1 Entry 60' inby 120' xcut
114,600 CFM 20.8% O_2 0 ppm CO 0% CH_4

#3 Entry 60' inby 119' xcut
60,480 CFM 20.8% O_2 0 ppm CO 0% CH_4

#4 Entry 60' inby 119' xcut
57,536 CFM 20.8% O_2 0 ppm CO 0% CH_4

3" camera has been tested and ready to go

2 MSHA people ~~No bumps reported~~. 57 rescuers
at 706 small bump in #4 60' inby 119 xcut

(b) (7)(C) Tech Support

TED FARMER

10:40 PM — AUGUST 10, 2007

UTAH TIME

20:05 — 8" DRILL 1,716'
— 63 MEN U/G /2 MSHA
—

20:30 — #1 ENTRY — 5' OUTBY RIB LINE
CROSSX 124

— 2" DRILL — 20:05 — 7.4 % OXYGEN
— 170 PPM CO
— 0.2 CH^4

— AIR 70' inbuy 120 CROSSCUT #1 ENTRY
111,500 CFM ~~10 111,000~~ 510 CFM
20.8 O
Ø CO
Ø CH^4

PROPS — 40' 123 X-CUT (INBY)

— NO BOUNCE ACTIVITY —

— 4-5:00 PM ESTIMATED TIME TO
DROP CAMERA DOWN HOLE

8/11/2007
12:10 Bob Cornett

11:10 EST

E1 60' INBY 120xcut
103,572 cfm
20.8% O_2
0ppm CO
0 CH_4

E3 60' INBY 119xcut
46,935 cfm
20.8% O_2
0ppm CO
0 CH_4

E4 60' INBY 119xcut
50,964 cfm
20.8% O_2
0ppm CO
0 CH_4

12:05AM 8" 1,786 feet

2" drill

7.3% O_2
158 ppm CO
0% CH_4

} last reading

pump fresh air down 2" drill
w/ air compressor

12:05 AM

★ Correction:
Roof propes installed
25' inby 123 x cut

★ Correction from last update
CM advance - 75' inby 123 x cut

★ Bad roof - wires at 5 feet outby 124 not CM

70 (including 2 MSHA)

[redacted]

1:25 am EST 1,830 ft 8"

1:27 am

2:45 AM 8/11/07

2:30 AM 8" at 1,840 feet

75 ft inby 123 xcut CM advanced

HV Cable ~~also~~ up to section wrapped around bits of CM 1:23 AM - still down

TS Cell phone - (b) (7)(C)

E1 80' inby 120 xcut 20.8 O_2 0-CH_4 0-CO 69,930 cfm } working on ventilation controls

[redacted]

50 mine rescuers
(including 3 MSHA)

Rocks props installed up to
40 ft inby crosscut 123 E1

#4 E
31,005

#3 E
39,941 cfm
20.8% O2
0% CH_4
9 ppm CO

4:30AM Update emailed
Questions I asked about 2 brothers taken into the mine
Who are they? (b) (7)(C)
When they went in - still in mine
Training received
5000-23 - Yes Yes → 3:39AM EDT
Bob Cornett stated that
Mr. Stickler approved
103(k) not modified

-----Original Message-----
From: Gibson, Donald E - MSHA
Sent: Saturday, August 11, 2007 4:36 AM
To: Thomas, Charles J - MSHA; Meikle, Gregory B - MSHA; Smith, Marcus A - MSHA
Cc: Knepp, William P - MSHA
Subject: 0200 hours Crandall Canyon Update

08/11/2007 0200 hours Crandall Canyon Mine Update

1.) 0110 hours--Package has arrived.
2.) Air Readings--0210 #1 entry 70,560 CFM, 20.8% O2, CH4 0%, CO 0 PPM.
3.) Clean-up is 71 feet inby XC 123.
4.) Roof bolting starting 40 feet inby XC 123 for 30 feet.
5.) 0120 hours started mining.
6.) Working getting compressed air into 2 1/2 inch hole.
7.) Air readings--0120 hours #2 entry (belt) 3,234 CFM (outby); #3 entry 39,941 CFM; #4 entry 31,005 CFM (return).
8.) Mr. Murray took 2 miners (brothers) of one of the unaccounted miners underground to the section.

Total rescue miners 60 (including 3 MSHA inspectors) are underground this shift.

This information is provided by Tommy Hooker from the Crandall Canyon Mine Command Center.

6:30 AL, Update emailed

-----Original Message-----
From: Gib~~son, Don~~ald E - MSHA
Sent: Saturday, August 11, 2007 6:22 AM
To: Thomas, Charles J - MSHA; Meikle, Gregory B - MSHA; Smith, Marcus A - MSHA
Cc: Knepp, William P - MSHA
Subject: 0400 8/11/07 Crandall Canyon Update

0400 Hours 8/11/2007 Crandall Canyon Mine

1.) Air readings--#1 entry 81,648 CFM; #3 44,160 CFM; #4 36,270 gases 20.8% O2, CH4 0%, CO 7 PPM; #2 entry 1,470 CFM air coming inby gases 20.8% O2, CH4 0%, CO 8 PPM.
2.) 28 feet of new rock props installed.
3.) 0315 hours--Engineers stated that the 8 inch hole was drilled down to the target depth 1886 + 10 feet to 1896 feet. The drillers felt that the last 6-7 feet was competent material. The mined height in this area was 8 feet. The steel was pulled up to 1894 feet and the steel struck 3 times and waited 1 minute and struck again 3 times. The steel was dropped to 1890 feet and the steel was struck 3 times on 4 different occasions. The crew listened with everything shut off and **only** heard random noises. The crew started pulling the 8 inch drill steel.
4.) Compressed air was put into 2 1/2 inch hole at 0130 and stopped when 8 inch hole went through.
5.) Mr. Murray and group are out of the mine at 0339 hours.
6.) 0412 hours stopped mining and started roof bolting.
7.) While roof bolting on-going, #7 belt willed be spliced and belt rollers will be installed.
8.) Gas readings from the 2 1/2 inch hole are 20.9% O2, CH4 0%, CO 135 PPM.

Total of rescue miners 58 (including 3 MSHA inspectors) are underground at this time.

8/11/07

8:35 AM EDT UPDATE

	Air Readings			%		%		PPM
5:15	#1 73,710	CFM	O_2	20.8	CH_4	0	CO	0
movement inby Belt	#2 1,764	CFM	"	—	"	—		—
	#3 37,838	CFM	"	20.8	"	0		0
None reported → Return	#4 31,824	CFM	"	20.8	"	0		7

5:03 2 1/2 — O_2 10% CH_4 0% CO 119 PPM

5:20 Started pushing air - no samples

8/9 — Reg inby x cut 120 in No. 2 entry was closed
Vent Specialist noticed ck curtains between 1 & 2 entry at x-cut 121 & 122 — showing signs xtreme pressure toward intake - at 5:18 am ~~was~~ requested permission to open regulator to release pressure - Crews changing

Props - set 70' inby X-123
Roof Bolting in progress

45 — TOTAL RESCUE MINERS (including 3 MSHA inspectors) are underground this shift

This information provided by Don Gibson from the Crandall Canyon Mine Command Center

8" removing drill steel

6:10 Kravitz called stated approx 1 Hour Cameron would start U.C.

Advance to approx 10' inby X-Cut 124

Bill Taylor replacing Don Gibson

Bob Friend 8/11/07 - 9:33 Am

Need to ck if 2" drill hole drift was verified

correction factor

2" 87' South and 4' West — Latest information Provided by Mine Management.

10:55 AM

8/11

Update

Bill Taylor

10:37 AM - Called left Message for Bill to return my Call

10:45 AM - Called Back to mine left Message to Call me

Air Readings

				%		%	PPM
intake 80' inby X120 →	#1. 73,700	CFM	O_2	20.8	CH_4	0	CO 9
	#2 2,200	CFM	O_2	20.3	CH_4	0	CO 16
XC 119½ Return	#3 43,100	CFM	O_2	20.3	CH_4	0	CO 16
	#4 42,100	CFM	O_2	20.2	CH_4	0	CO 30

56 Total Rescuers (incl. 2 MSHA inspectors) are underground this shift

ET 10:45-8:45 Cont.

Miner Mining XC 124 in #1 Entry - Lateral Displacement of Pillar - now cleaning up

Rock Props - within 15' outby XC 124

2" Drill Hole - Still pumping air into drill Hole

X 137 No. 2 2' South & .4 S to West Verified according to mine Management

8" Drill Hole (07:47 AM MT) Camera Started lowering (9:47 EST)

Top of Coal Seam (08:41 AM MT) 10:41 EST

Dist Collare to Top of seam 1,874 feet

Open Space 5.7 feet 1,879.7 feet

Metal roof Mesh only thing visible w/ Camera

This information provided by Bill Taylor from Randall Canyon Command Center

1879.7
1874
5.7 ft

Camera Location -

8:50 AM 10.30 AM - As soon as camera removed will Case the drill hole

:15 pm 1:10 pm update Bill Taylor

12:15 pm Air Readings

				%		%		PPM
Intake	#1	73,100	CFM	O_2 20.8	Ch_4	0	CO	7
	#2	Did not take	CFM	O_2 —	Ch_4	—	CO	—
Return	#3	37,700	CFM	O_2 20.4	Ch_4	0	CO	14
	#4	37,900	CFM	O_2 20.2	Ch_4	0	CO	18
XC 119½ 1pm	80' entry XC 120	82,100	CFM	O_2 20.8	Ch_4	0	CO	0

2" Drill Hole -

11:55 AM 8" Drill Hole - Have Started Casing Drill Hole - Anticipate 10 to 12 HRS

12:45 pm
~~11:40~~ AM - 9 to 10 S. Cars removed XC 124 - Completed moving ring

12:25 pm K. Strickler, B. Crocco & A. Davis went underground
12:30 pm R. Stoltz - Tracer gas - having difficulty because supplier not open
Rock Props - will get back with Command center

Camera -

Total rescuers underground 67 (including 9 MSHA inspectors) on this shift
This information provided by Bill Taylor from Crandall Canyon Command Center.

Call back 3:30 with next update

EDT
3:30 pm update

2:15 EDT	Air Readings		%		%	PPM
3 pm 79,400 CFM	#1 86,300 CFM	entry	O_2 20.8		CH_4 0	0 ppm
	#2 —	entry	— O_2 —		CH_4 —	— ppm
Xc 114½	#3 46,800	entry	O_2 20.8		CH_4 0	0 ppm
	#4 42,800	entry	O_2 20.3		CH_4 0	7 ppm

8" Hand Held instrument 412 TMX – O_2 – 20.5% CH_4 – 0% CO – 0%
620 zone reading

Hole ungassing at a rate – 348 CFM

1:31 pm R. Stoltz – F_6 gas – will be at command cent Monday 8/13/07 – Sending 200 small Vacuum Sample containers

→ 7" hole – still pump air in mine

2 PM EDT
2:40 pm – Cut 134 – Cut Front of Cable bar off

EDT
2:40 PM Acid trailing Cable to Miner – Completed 3 PM EDT Trimming back to start loading process

EDT
3 pm Kevin Bill & Al outside – Ground Quiet at this

Total rescuers underground 66 (including 9 MSHA inspection personnel

This information provided by Bill Taylor from Crandall Canyon Command Center

Next update 5:30 pm

8-11-2007

ERIK SHOWER +
CHARLIE THOMAS IN HQ COMMAND CTR
3:30- 4:00 PM BRIEFED BY BOB PHILLIPS + MELISSA
BEATY. WAS PRESENT FOR 3:30PM UPDATE.
NEXT UPDATE SCHEDULED FOR 5:30PM EDT.
TED FARMER

- AIR QUANTITY + QUALITY
  #1 ENTRY,
  84,900 CFM 20.8% O_2 — 0.0% CH_4 , 7PPM CO
- 1510 MST 1710HR — 62 EMPLOYEES UC INC 6MSHA
- PROPS TO OUTBY EDGE OF #124 INTERS
  #16
- 1520 1710 45' INBY XCT #124
- GROUND CONTROL
  BOLTED TO OUTBY EDGE OF XCT 124
  AND PROPS IN " " " " "
- REMOVE MINING OUTBY
- PLAN TO INSTALL "J" CHANNEL
  SET PROPS UNDER CHANNEL + BETWEEN
  WILL CONTINUE TO INSTALL J CHANNEL + PROPS
  UNTIL CONDITIONS IMPROVE.

AIR COMPANY STILL PUMPING COMPRESSED AIR IN
WATER LINE TO SECTION SECTION TAILGATE

8/11/07

7:45

Charlie Thomas & Erik Shorar Command Center

16:00 #1 Entry 73,800 cfm
20.8% O_2 0 CO 0 CH_4

#3 Entry 49 400 cfm
20.8 O_2 0% CH_4 0% CO

#4 Entry 119½ xcut
41,500 cfm 20.3% O_2 8 ppm CO
0% CH_4

Bolting inby x-cut 124 inby 28'
17:05 73,600 cfm 0 xcut 120
20.8% O_2 0 CH_4 0 CO

still going w/ J-channel

62 underground w/ 7 MSHA

ZRAY BENTLEY (6AM - 10PM)

BOB COME IN EARLIER 6:-3:30
3-10

NEW COMMAND CTR HOURS

DAY SHIFT 6- 3:30PM
AFT 3 - 10:00 PM

TOMORROW BOB + MELISSA 6- 3:30PM
JOHN H + ERICK 3 - 10:00PM

8-11-2007

9:30PM UPDATE FROM Bob Cornett

intake

[illegible] pm 85,680 cfm inby 120

9:10 pm EDT 20.8 O_2 0 CH_4 0 CO

props 25' inby 124
bolting channels

started loading 45 ft. inby 124

new plan - advance 3 props
7.5 ft.

hole should be cased by 9:00 pm MDT

Informed MEU that the HQ
command center would be
manned from 6:00 am to 10:00 pm

68 people u/g 3 mshe

just started loading

20:00 pm MDT diesel SC was down

camera delayed

20:30 pm MDT 51 ft. inby 124
shuttle car broke down

6:05AM Called Don Gibson - Don drafting email of update
Tommy Hooker will call me

8/12/07

Blue Goose Phone
(b) (7)(C)

6:50AM update from Tom Hooker

1. Big Bounce MT 21:06 - everyone Removed from area

MT 21:30pm Quit Mining - 16' from Spad 6784 - Cross X 124 - #1 Entry

Started setting Props

22:10pm Started Mining again

Intake 80' XC 120 · 72,450 CFM

#1

Co 0 CH_4 0 O_2 20.8%

#4 Entry - 35,600 CFM

Co 8ppm CH_4 0 O_2 20.6%

#3 Entry 39,900 CFM

Co 0 CH_4 0 O_2 20.8%

22:54 Anouth Bounce - Poor Visibility - Everyone accounted for -

22:56 Main Fan Watergage 5.6 & 5.7 inches

7: AM EDT August 12, 2007

0400 hours MT (6 AM EDT) 8/12/2007 Crandall Canyon Mine Update

1.) 2106 hours (11:06 PM EDT)-a significant bounce occurréd at XC #124 No.1 entry. All rescue workers were withdrawn and accounted for.
2.) 2130 hours (11:30 PM)—Cleanup work ceased 16 feet from spad 6784 XC 124 in No. 1 entry. Started setting props.
3.) 2200 hours (12 PM EDT)-- props installed 21 feet 5 inches from spad 6784 to inby cross cut 124.
4.) 2210 hours (12:10 AM EDT)--started mining. Air reading:
#1 entry inby XC 120 80 feet 72,450 CFM, 0 CH4, O2 20.8%, CO 0 PPM;
#3 entry 39,900 CFM CH4 o, O2 20.8%, CO 0PPM
#4 entry 35,600 CFM O2 20.6%, CH4 0, CO 8 PPM
5.) 2254 hours (12:54 AM EDT)--another bounce. Only dusted up the entry and all rescue workers were accounted for. .
6.) 2256 hours (12:56 AM EDT)—Main fan readings: water gage 5.6 inches, 5.7 inches, O2 20.9%, CH4 0, CO 0PPM.
7.) 2305 hours (1:05 AM EDT)—Air reading 80 feet inby XC 120 64,260 CFM with both shuttle cars inby, O2 20.8%, CH4 0, CO 0 PPM,
8.) 2313 hours—(1:13 AM EDT) Presently loading material at 22.5 feet past center spad 6784 XC 124 No. 1 entry.

8/12/2007

1.) 0015 hours (2:15 AM EDT)--belts off checking scrapper on #6 or #5 belts.
2.) 0030 hours (2:30 AM EDT)—Main fan readings water gage 5.7, 5.6, O2 20.9%, CH4 0, CO 0 PPM.
3.) 0035 hours (2:35 AM EDT)—Bolting No. 1 entry.
Air readings,
#1 entry 80 feet inby XC 120 64,350 CFM, O2 20.8%, CH4 0, CO 0 PPM,;
#3 entry 38,475 O2 20.8%, CH4 0, CO PPM;
#4 entry 37,275 CFM O2 20.8%, CH4 0, CO 0 PPM. Belt air moving outby.
4.) 0100 hours (3 AM EDT)—Main fan readings wg 5.7, 5.6, O2 20.7%, CH4 0, CO 0 PPM.
5.) 0125 hours(3:25 AM EDT)-Bolting ceased waiting for 8 foot roof bolts.
6.) 0130 hours (3:30 AM EDT—Main fan readings wg 5.7, 5.6 O2 20.9%, CH4 0, CO 0 PPM.
7.) 0135 hours (3:35 AM EDT)--#1 entry 80 feet inby XC 120 68,040 CFM O2 20.8%, CH4 0, CO 0 PPM.
Drilled test hole 10 feet inby spad 6784 XC 124 5 feet up, had a 1 inch space, ordered 8 foot bolts.
8.) 0200 hours (4 AM EDT)—Main fan readings wg 5.7, 5.7 O2 20.9%, CH4 0, CO 0 PPM.
9.) 0200 hours(4AM EDT)-air readings #3 entry 34,200 CFM O2 20.8%, CH4 0, CO 0 PPM; #4 entry 35,640 CFM O2 20.8%, CH4 0, CO 0 PPM; Belt air moving outby 8,820 CFM O2 20.8%, CH4 0, CO 0 PPM.
10.) 0345 hours--#1 entry 80 feet inby XC 120 66,150 CFM O2 20.8%, CH4 0, CO 0 PPM; #3 37,525 CFM O2 20.8%, CH4 0, CO 0 PPM; #4 entry 33,480 CFM O2 20.8%, CH4 0, CO 0 PPM; belt air moving outby 4,410 CFM O2 20.8%, CH4 0, CO 0 PPM. Stopping XC 121 & 122 completed.
11.) 0400 hours--fan wg 5.6, 5.6, O2 21.1%, CH4 0, CO 0 PPM.

Total rescue miners 61 (including 2 MSHA inspectors) underground this shift.

4:06 AM called Bob Cornett 7:45 AM EDT

8/12/07 update – 9AM

Blue Horse Phone
(b) (7)(C)

Information provided by Bob Cornett

Time of readings & Location

Air Readings:	O_2 %	CH_4 %	CO ppm
Intake #1 Entry 67,410 CFM	20.8	0	0
119½ #2 Entry 8,820 outby CFM	20.8	0	0
#3 Entry 40,375 CFM	20.8	0	0
Return #4 Entry 33,480 CFM	20.8	0	0

Tracer gas arrived at Mine – Not used at this time
Camera update: Not Known

Location of cleanup: – No Action

Location of Roof Supports: Still Bolting in #1

Time: 7:30 AM EDT Main Fan readings: 20.9 O_2% 0 CH_4% 0 CO ppm
Water gage in inches 5.5 West – East 5.6

Al Davis Significant Progress in developing road for new drill pad site –

Ground Activity Bounce info: None

Total rescue Miners 48 (including 2 MSHA inspectors)
Under ground this shift

Next update: 11:15 AM EDT

8/12/07 11:15 update EDT Blue Goose (b) (7)(C)

9:50 AM Information provided by Bill Taylor

Intake

40' outby XC 124

	Air readings:	80' XC120	O_2%	CH_4%	CO ppm
10:12 AM	#1 Entry 30,240	64,890 CFM	20.8	0	7
10:50 AM	#2 Entry —	CFM	—	—	—
	#3 Entry 27,000	CFM	20.8	0	7
Return	#4 Entry 31,320	CFM	20.8	0	7

Pump air in water line on section — yes

11:10 AM Pumping Air: 2" 9:50 AM off — Pump Down

Tracer Gas: Not used yet — Developing Plan the use of tracer gas 10:10 Still down — going to get another Pump

10:03 AM Location of Cleanup: Advance of cleanup 60' inby XC 124 in #1 entry

10:03 Location of Roof Supports: Rock 22' inby XC124 in #1 entry
Roofbolt still installing roof bolts

Main Fan Readings: O_2% CH_4% CO ppm

None East Fan — Water gage in inches
West Fan — " " " "

Camera: None

Ground Activity: None

11 AM Total rescue miners 52 (Including 2 MSAA inspectors) underground at this time.

Next update: 1:30 pm

Called at 1:32 pm EDT - Will call back
Time: 1:37 pm

1:30 pm update

Blue Goose #
(b) (7)(C)

Info called by Bill Taylor

	Air readings:		O_2%	Ch_4%	CO ppm
12 pm EDT	#1 Entry 63,360 50,400	CFM	20.8	0	0
	#2 Entry —	CFM	—	—	—
01:25 pm	#3 Entry 33,725	CFM	20.8	0	0
	#4 Entry 33,480	CFM	20.8	0	9 ppm

10:53 AM EDT Main ~~Section~~ water pump - Company Reported 1 1/2 hours to get pump to mine site - No Water

Tracer gas: still Working on Plan

12:29 pm EDT

Cleanup: 60' in by XC 124 - 100 FPM Moving Past left of Miner
Progress - not change

11:30 EDT	Main Fan Readings		Water gage	O_2%	Ch_4%	CO ppm
	East Fan	CFM	5.6	20.6	0	0
Will take every 4 hrs	West FAN	CFM	5.5	20.6	0	0

Ground Activity: 10:40 AM EDT Small Bounce NW XC 124
Continuing without Water
Roof Support: Cannot do without water supply - Installed Rock Props not changed since cast report
12:40 pm - Safety Director reported 2 men injured XC 46 - 1 Twisted Ankle - 1 Twisted Knee both Outside - Linging - Not transported 1:04 pm
Camera: no report
2" Teamy down Rig
old H_2O line on section 8" injecting
Pumping Air: Not injecting - capped in
yes - injecting air compressed hole engassing
new 8" Drill hole: Dozer has road 1/2 completed - Anticipate having road & pad ready between 6 & 7 pm tonight
Old 8" Drill hole:
Total rescue miners 56 (Including 2 MSHA inspectors underground at this time.

Next update: 4 pm

4PM update

John Hendley & Erik Sherer Command Ctr,
Note all times are MDT

Bill Taylor 2:03 pm

Water pump still down
Spare pump U/G still connecting

12:12 Intake
120 60' inby 53 130 cfm
O_2 20.8% CO 0 CH_4 0

13:25 #1 80 inby 120 inby
44 100 cfm 20.8% O_2
0 CH_4 0 CO

#2 6' inby 120 out by
5775 cfm 20.8% O_2
0 CH_4 0 CO

#3 119 1/2 out by
29 995 cfm 20.8% O_2
0 CH_4 8 ppm CO

#4 119 1/2 out by
31,536 cfm
20.8% O_2 0 CH_4 8 ppm CO

13:43 Sampling tube installation
plan for Main West Seals
implemented ~ Mine Rescue team
MSHA Team

13:50 Clean up 60' inby XC 124
Rock props inby 22 ft, inby
XC 124

No info from drill site

New pad should be completed at 7:00 - 5:00 pm

13:25 pm Total people 52 w/1 MSHA

small bounces 13:25 small bounce
08:40

14:00 water restored to section

5:00 pm EDT
When did Datacome go into service

How many times did Crandall Canyon get calls since Jan 1, 2007?

---

6 PM updates

Ted Farmer

14:00 water restored

#1 80' inbn cont 12 ft
54 180 cfm 20.8% O2 0 CO 0 CH4

14:10 Mining in progress

14:15 Jeff Kravits called 2" drill steel severed - don't want to put 8" camera again
trying to find another 8" camera

14:45 65 miners U/G, 6 MSHA
Mine rescue team

14:48 Advancement 67' inby xcut 124
Miner broke torque shaft
rockprops 22 ft. inby 124 XC

15:18 Mine rescue team moved FAB
to XC 117 in intake

15:30 #1 50,400 cfm 20.8% O2
O CH4 O CO

#2 6,143 cfm 20.8% O2
O CH4 O CO

#3 30,240 cfm 20.8% O2
CO 9ppm CH4 O

#4 31 500 cfm 20.8% O2
CO 12ppm CH4 O

15:50 Both teams ~~[illegible]~~ w/apparatus
headed to seal area in mains
barefaced - to install
sample lines in #1, #5 & #9
entries

15:52 Advancement 67' inby 124 XC
Rock props 22' inby 124 XC

Conspec server is down
no info on miners U/G

16:02 Minor shutdown
SC broken down in headgear

16:05 Lines completed to Seal #5

16:08 Minor going
both SC running

8:00 pm update

16:20 Camera owned by Geophysical Logging Services was lowered into 8 inch hole and it was not as clear as 1st camera - poor quality could not observe anything

Sampling tube will be left in 2" hole

16:18 40 ppm CO SC exhaust at FAB - open curtain at XC 123

16:20 68 people U/G - 9 MSHA

16:32 Tubing installed @ #5 & #9 seals - all team members back at FAB

16:47 Advanced to 67' in by 124XC
rock props 30 ft. in by 124XC

17:15 Miner stopped @ 17:05
started setting rock props

air at last prop
39,000 cfm
310 MEV

#1 54,200 cfm 20.6% O2
0 CO 0 CH4

~~17:25 Mr~~

17:30 Miner back running
advanced 69 ft. inby 124 XC

preps set 37 ft. inby 124 XC

* bounce occurred @ 5:30
centered XC 122 3 & 4 entry.

17:37 rescue team @ 117 bounce
no substantial there

17:55 8" hole - put camera back
in again 600 physical camera

Moving rig to 3rd hole pad

'0 PM Update

Gary Jenson

1818 The Conspec update S9 (8 MSHA)

1820 No luck with Geophysical Camera - Not enough light will continue to try

1820 Still working on pad

1830 Clean-up 61' inby X 124
Rock Props 37' inby X-cut 124 ℄

1830 #1 E 55,400 CFM 20.8 O_2 0 CH_4
0 CO

#3E 26,000 CFM 20.3 O_2 0 CH_4
11 ppm CO

#4 42,200 CFM 20.2 O_2 0 CH_4
11 ppm CO

#2 Entry Still pulling

~~1830 Stopped loading~~

Called from drill hole to establish communication

1900 Air
#1 54800 CFM 20.8 O_2 0 CH_4 0 Co
#

Clean-up 75' inby the centerline of 124
Rock Props 49' inby the centerline of 124

Started loading at 1902 when this push is finished they back out and bolt an additional 30'

1925 Camera is out of casing.
Pump compressed air in.
Still working to add additional light
projecting late tonight or early AM
Still working on new drill pad projected
2:00 AM to 3:00 AM

Time

6:05 AM called
T. Hooker, 6 AM 8/13/07 update 435-687-2889
Developing
Email to send w/info

Information from: TOMMY HOOKER - Don Gibson sentential
See Log Book

AIR READINGS

#1 Entry CFM
#2 Entry CFM
#3 Entry CFM
#4 Entry CFM
Additional Reading
Location of Readings -

Cleanup progress:

Roof Support progress:

Ground Activity:

Rock Props Location:

Called Bill Taylor 9 AM EDT called command center no answer REP

(b) (7)(C)

9AM update EDT - 7AM MT

Information provided by T. Hooker

8/13/07

	AIR Readings:		O_2%	CH_4%	CO ppm
9:07 AM Blue Goose	#1 Entry	CFM			
	#2 Entry	CFM			
	#3 Entry	CFM			
	#4 Entry	CFM			

Additional Readings:

7:55 AM Shifts Changing - 9 AM EDT

Men 51 - 2

Fan		O_2	CH_4	CO
East	5.5	20.9	0	0
West	5.4			

8:15 AM 81' to Cart Rock Pump from XC 124

Face 109' entry XC124

8:45 Big Drill started tramming to #3 Pad - Approximately 1 hour after drill set on Pad #3 - Going back to 8" borehole and re-install a Camera

J. Kravitz

9 AM MT
11 AM EDT
call

8/13/07
9AM-MT — 11 AM update EDT

Blue Goose (b) (7)(C)

Info Provided by Bill Taylor

Acc Readings – 10:40AM (8:40MT)

			O_2%	CH_4%	CO ppm
Intake ~~80~~ 124	#1 Entry 64,260	CFM	20.8	0	0
	#2 Entry 1,705	CFM	20.8	0	3 ppm
Return 119½	#3 Entry 24,700	CFM	20.8	0	4 ppm
	#4 Entry 48,060	CFM	20.4	0	4 ppm

Location & Additional Readings – 80' inby XC 120

#2 Just 1,705

10:15 cleanup progress ~~109~~ 109' inby XC 124

~~Mine Rescue Team status~~ –

Conspec readings –

Support progress – 84' inby XC 124

Section Belt ~~Boom~~ Not running –

~~Next~~ for Main Fans – East O_2 – % CH_4 – 0% CO – 0%
4 HPS West O_2 – % CH_4 – 0% CO – 0%

7:20 - 9:20 AM Borehole status – Jeff Kravitz reported that a drag bit could not be used for directional drilling

Drill Status – Preparing to move to New No. 3 Pad site
After Drill installed at New Pad – Insert Camera down 8 5/8 hole
7:54 – 9:54 AM

Camera status – Conspec 34 U6 – 3 MSA A
Only has 100 Watt Light

Ground status – None

chromatograph sample 20:30pm
8/12/07 9:30pm

Main West #1 inby seal reading
H_2 – 4 ppm O_2 7.78%
CO_2 – 1.81% N_2 – 89.6% CO – 1.52 ppm

Next update – 1:15 pm

~~Out~~ At #1 Seal - Slightly ingassing
8/17/07 - 2015 MT

H_2 2 ppm N_2 82.67% CO - 68 ppm
O_2 15.59% CH_4 NDA CO_2 0.80%

C_2H_2 - NDA C_2H_4 - NDA C_2H_6 - NDA

Argon - 0.93%

Call received From Bill Taylor at 1:10 PM EDT

MT 8/3/07 update 1:15 pm EDT

Blue house

(b) (7)(C)

R. Phillips

1:25 pm – Bill needed to verify some of the info & will call me back

1:31 pm EDT Bill called Back

CRANDALL CANYON - August 13, 2007 : PM EDT UPDATE

11:15 am

AIR READING STATUS : AM MT – 1:15 PM EDT:

80' 1)Air reading No. 1 Entry 64,260 CFM O2 – 20.6%, Ch4 -0 %, CO -
120 0 ppm

2)Air reading No. 2 Entry 3,000 CFM O2 – 20.8%, Ch4 -0 %, CO -
0 ppm

AT 3)Air reading No. 3 Entry 28,310 CFM O2 – 20.5 %, Ch4 -0 %, CO -
119½ ~~4 ppm~~ 2 ppm

4)Air reading No. 4 Entry 47,520 CFM O2 – 20.5%, Ch4 -0 %, CO -
~~4 ppm~~ 4 ppm

Air at tail of Miner was 49,140 CFM – 11:40 AM EDT

Intake air reading for No. 1 entry taken 80 feet inby crosscut 120

No. 2 entry air reading taken at section regulator (small opening)

Return air readings for the No. 3 and 4 entry taken at 119 ½ Crosscut

Ground status – ~~None~~ None

Cleanup status – 125½ feet inby XC124

11:15 AM Roof support status – ~~[illegible]~~ 96.5 feet inby XC124

Fan readings taken every four hours

Main Fan reading status – East Fan – O2 – 20.8%, Ch4 – 0%, CO – 0%

West Fan – O2 – 20.8%, Ch4 – 0%, CO – 0%

M Rescue ~~Belt~~ – – CO & O_2 Monitors (sensors) installed inby #1 Seal Main West – in center of entry – CO sensor on top – CO_2 below it.

11:27 Big Drill status – 2 loads material have been moved to drill site 4 more loads needed to be moved before drill will be moved est – 12 PM MT (2 pm EDT) – 2" hole capped with a 9/16 coupling Tube extending into the mine. 3/8 ID

Camera status – 8" ingassing 1" air hose injecting air at 120 psi – Compressed

Bottle sample results 375 CFM

32 total rescue miners - including 3 MSHA inspectors underground as of 9:54 AM EDT

8/13

10:48 - 12:48 PM		O_2	chy	CO
#1 Entry	71,946 CFM	20.6	0	0
#2 "	2,707 CFM	20.8	0	0
#3 "	32,775 CFM	20.7	0	3 ppm
#4 "	51,846 CFM	20.6	0	5 ppm

12:48 EDT End of Miner 49,152 CFM 20.2 0 0

1 PM — DG 3 MSHA

1:15 PM —

1 PM Drill Rig —

7" Sample Vacuum Pump - 15 min

O_2	CH_4	CO
14.4%	0	42 ppm

3:45 PM 8/13/07

Bill Taylor

3PM 31 — 2 MSHA

XC 125 Cleanup Progress — 126.5 inby XC 124

Roof Props — 96.5 inby XC 124

XC 125 cleaning to install Aux fan → need HP & CFM for fan
~~Fan Underground near fresh air base~~ Aux Fans on surface

	Air	O_2%	CH_4%	CO ppm
2:50 PM #1	76,860 CFM	20.7	0	1 ppm
XC 120 #2	4,524 CFM	20.5	0	0 ppm
XC 119½ #3	38,000 CFM	20.7	0	1 ppm
#4	55,620 CFM	20.6	0	2 ppm

3:45 pm Air Reading — Out 53,550 CFM

O_2	CH_4	CO
20.8%	0	0

#3 hole XC 147 — 8" Drill
#4 entry Ground — None

5:45 8/13/07 Bill Taylor

~~Air Readings:~~

5:15 Cleanup = 141.5' inby Xcut 124
Roof Props = 96.5' inby Xcut 124

③ Air Readings:

At tail of Cm 55,440 CFM 20.8% O_2 0 CH_4 0 CO
80' inby X cut 120 #1
76230 20.5% O_2 0 CH_4 11 ppm CO
#2 just inby crosscut 120 @ regulator
4785 20.1% O_2 0 CH_4 24 ppm CO
CO is higher because inspector fueled the diesel inby the feeder breaker

① Drill Hole 2"
14.4% O_2 0 CH_4 34 ppm CO
Drill Hole 8" (impossible)
Camera @ Bottom
#3 Drill Hole — workers set up at drill hole will call when drilling commences

② Conspec = 31 ug include 2 MSHA

Air Readings @ 119½ crosscut
#3 Entry
34,200 CFM 20.6 O_2 0 Methane 10 ppm CO
#4 Entry
50,160 CFM 20.5 O_2 0 Methane " ppm CO

The capacity of the auxiliary fan remains unknown.

→ The crew is now advancing in the #1 entry.

7:45 update

Bob Cornett

5:45 #1 entry 141.5 ft. inby XC 124
smell bumps
43 1/6 - 6 MSHA Rescue setting AMS

6:25 2" hole 0 CH4 35 ppm CO
14.7% O_2

6:57 stopped mining setting rock props
turning into XC 125

7:10 #1 entry 80' inby XC 120
85,176 cfm 20.8% O_2 12 ppm CO 0 CH4
#2 entry
2,874 cfm 20.8% O_2 13 ppm CO 0 CH4
#3 119½ XC
33,060 cfm 20.8% O_2 7 ppm CO 0 CH4
#4 119½ XC 55,104 cfm
20.8% O_2 11 ppm CO 0 CH4

7:20 props on rt. side 10[illegible].5 ft.
inby XC 124
Lt. side 90 ft. inby 124

~~7:32 3 MSHA~~
7:34 started minor

big drill not running

8:00 capped off 2" drill steel, tygon tubing to thomas dixyfrom pump to ATX 620

9:45 update

Bob cornett

9:25 outby minor in XC 125
51,510 cfm 20.8% O_2 7ppm CO OCH_4

80' inby 120 in #1 entry
86,200 cfm 20.8% O_2 0 CO OCH_4

inby XC 120 #2 entry
3360 cfm 20.4% O_2 8ppm CO OCH_4

119 1/2 XC #3 entry
33,582 cfm 20.8% O_2 7ppm CO OCH_4

119 1/2 XC #4 entry
55,620 cfm 20.8% O_2 17ppm CO OCH_4

9:20 rock props Rt. 104.5 ft. inby XC 124
98.5 ft. inby XC 124 Lt. side

~~141.5 ft. inby 124 XC~~
11.5 ft. inby 125 XC

minor still in 125 XC.

#3 drill hole working on casing

9:47 drill should start @ 10:[illegible] 12:00pm

Report from T. Hooker 5/14/07 update Blue Goose

(b) (7)(C)

6 AM

EDT 5 AM 141.5 ft inby XC 124 Miner

119.5 ft Rt side 122 Left side XC 124

			O_2	chg	CO ppm
5:30 AM EDT					
80' inby XC120	#1 Entry	61,740 CFM	20.8	0	0
	#2 "	2,295 CFM	20.8	0	0
119.5 XC	#3 "	30,400 CFM	20.8	0	0
	#4 "	54,540 CFM	20.8	0	7 ppm

CO – Diesel equipment operation

5:30 AM EDT #3 Hole – 315 ft.

		O_2	chg	CO PPM
7 1/2" drill hole	Sample	16.1	0	39

3 Compressors injecting air running at #2 hole 8 5/8 hole

Trailer from in 125 XC removed

Ground Activity – None

39 miners 2 MSHA

8 AM update

Info provided by T. Hooker 8/13/01 update (b) (7)(C)
8AM

7AM Cleanup 165' inby XC 124.

7AM Rock Props Rt 119.5' inby 124 – 138' inby XC 124

7AM Ground – None

			O_2	Chg	CO ppm
	#1 Entry	85,680 CFM	20.8%	0%	0
	#2 "	3,945 CFM	20.8%	0%	7 ppm
119.5	#3 "	30,875 CFM	20.8%	0%	9 ppm
	#4 "	60,480 CFM	20.8%	0%	7 ppm

45 U.G – 2 MSHA

6:32AM Drill – 379' – #3 Drillhole

11pm 8/13/01 3 Compressors still – 8" #2 hole

	O_2	Chg	CO
Sample 2" Borehole –	16.0%	0%	39 ppm

6:45AM Bob Murray U.G. w/ 2 miners of Family Members

No plan Changes
No Modification of K

Note – Received copy of Plan revision that was faxed to Eric by B. Cornett also FAN Curve Charts for the Cut fans to be installed U.G. – Put Both in the file with K Orders & Made a Copy & gave to Cathy
RLP

Provided by Bill Taylor 8/14/07 update

To be installed XC 125
New Sp No. 6787

MT 9AM EDT Cleanup progress - 165' XC 124

MT 9AM EDT Rock Prop Progress - Rt 119.5' LFT - ~~105.5~~ 145.5'

MT EDT Ground activity - No significant roof movement

MT 9:10 AM EDT

	Air Readings		O_2%	CH_4%	CO ppm
80' 120	#1 Entry	86,310 CFM	20.8	0	0
Reg	#2 "	3,720 CFM	20.8	0	0
XC 119.5	#3 "	31,350 CFM	20.8	0	6 ppm
	#4 "	58,320 CFM	20.8	0	6 ppm
	over miner	57,324 CFM	20.8	0	0

MT EDT 34 Miners U.C. 5 MSHA

MT EDT 9:48 AM No. 3 - 8" Borehole Distance - 515'

got 9:31 AM

	O_2%	CH_4%	CO ppm
2" Borehole Sample results -	15.8	0	26 ppm

No. 2 - 8" Borehole status - In gassing - still injecting air

U.C. Conspec

9AM Miner Work. 30

8:30 AM EDT Murray & Company outside

Next update 12pm EDT

Provided by Bill Taylor 8/14/07 update

Busy Signals
Tried IH

12:05pm EDT

12pm EDT - Cleanup Progress - 55' inby XC 125

12pm EDT - Roof Prop Progress - 21' inby XC 125

11AM EDT - Ground Activity - ~~None~~ No roof movement in work area

10:55 EDT - Air Readings

				O_2%	Ch_4%	CO ppm
	#1 entry	81,900	CFM	20.8	0	0
	#2 "	2,047	CFM	20.8	0	7
	#3 "	34,200	CFM	20.8	0	10
119½	#4 "	52,920	CFM	20.8	0	9
	overhive	57,120	CFM	20.8	0	0

EDT - 36 Miners UG 3 MSHA

11:25 EDT - No. 3 Borehole progress - 585'

EDT - No. 2 Borehole status -

11:25 EDT - 2" Borehole status - O_2 15.9% Ch_4 - 0% CO - 28 ppm

old No. 2 8" hole ingass - Injecting air 3 Compressor

Conspec -

next update 2 PM EDT

Provided by Bill Taylor 8/14/01 update

2 PM EDT

2 PM EDT - Cleanup progress - 67' inby XC 125

12:15 ~~12:10 - 12:20~~ pm EDT - Roof Prop progress - 32' inby XC 125

12:45 ~~pm~~ pm EDT - Ground Activity - Bounce between 116 & 117 XC in Nos. 3 & 4 entries

12:15 - 2 small bumps at feeder in No 2 entry 120 XC

1 pm EDT Air Readings -

			O_2%	CH_4%	CO ppm
#1 Entry	80,010	CFM	20.8	0	0
#2 Entry	2,235	CFM	20.8	0	0
#3 Entry	31,730	CFM	20.8	0	0
XC 119½ #4 Entry	51,840	CFM	20.8	0	7 PPM
Air Rec at Mine	52,530	CFM	20.8	0	0

1 pm EDT 44 Miners UG 4 MSHA

1:05 pm - Drill stopped - Bring drill steel to correct directional drill bit

1:51 pm - Drill still in process of being removed

EDT - No. 3 Borehole progress - approx 700' hole depth

EDT - No. 2 Borehole Status -

EDT - 2" Borehole status - O_2% 16.2%, CH_4% 0%, CO 31 ppm

EDT ~~Adjustments~~ Work to calibrate

1:45 pm Sensors has started

8" hole still inganing - 3 Compressors injecting air down borehole

next update 4 pm