

Date of Examination 6/15/16 Time From: \_\_\_\_\_ AM/PM To: \_\_\_\_\_ AM/PM

Section/Area Mid Panel drive area Reported Outside? Yes \_\_\_ No \_\_\_ Time: \_\_\_\_\_ AM/PM

Reported By: \_\_\_\_\_ Received By: \_\_\_\_\_ INITIAL (AUTHORIZED PERSON)

**Preshift required within 3 hours prior to any 8-hour interval.**

Location	Hazardous Condition	CH <sub>4</sub>	Action Taken
Entry #3, xc 1-2	Low air flow	0.0%	dangered
Entry #3, xc #2	Drive cable through hole in stopping		dangered
Entry #3, xc 3	No fire hose at drive		dangered
Entry #3, xc 3	No fire outlet at drive		dangered
Entry #3, xc 3	AMS Wrong side of Drive		dangered
Entry #3, xc 4	Garbage in xc		dangered
Entry #3, xc 4- 5	Bottom roller in walkway		moved
Entry #2 XC 1	Pump cable under lifeline		dangered
Entry #2 XC 1	Missing mandoor indicator		dangered
Entry #2, xc 2	Missing stopping at PC		dangered
Entry #1, XC 1	Missing SCSR in cache		Moved one from intake cache
Entry #1, XC 3-4	Deep water		Turned pump on
Power Center		0.0%	None
Entry #1	Gas reading may be part of other entry above	0.0%	
Entry #2	Gas reading may be part of other entry above	0.0%	
Entry #3	Gas reading may be part of other entry above	0.0%	

**Air Measurements**

Location	CFM	Location	CFM
Belt air check point	40 FPM		

**Velocities**

Longwall Headgate: \_\_\_\_\_ Longwall Tailgate: \_\_\_\_\_

CH<sub>4</sub>: \_\_\_\_\_ O<sub>2</sub>: \_\_\_\_\_

Remarks:

\_\_\_\_\_  
Signed by Preshift Certified Examiner Date Certification Number

\_\_\_\_\_  
Countersigned by Mine Foreman Date Certification Number

\_\_\_\_\_  
Countersigned by Operator/Agent Date Certification Number

# PRICE, UTAH – PRE-SHIFT CONTEST – 2016

CONTESTANT: \_\_\_\_\_ WORKING No.: \_\_\_\_\_

## JUDGES INSTRUCTIONS

1. Show contestant time clock and check in/out board. Contestant only has to hang tag on board and does not have to sign and date board.
2. Contestant must provide own distance measuring device, tool apron, blank index cards (additional index cards will be in packet), pen/pencil, paper, clip board, anemometer, watch, roof testing device, and detector.
3. Contest will be taken to staging area and given the blank mine map, statement, and ventilation and roof control plans. Contestant has 10 minutes to review these and make any notes. The mine map, statement, notes if any and mine plans will be collected by contest judge. **THE Mine Map, Statement, Notes if any, and Mine Plans will be returned to the Contestant when they arrive at field to start the Problem.**
4. Contestants have 30 minutes after starting clock to complete the problem. Judges will notify contestant when 1 minute is left.
5. Don't take contestant back on field after clock is stopped & don't discuss discounts.

## JUDGING INFORMATION

### OUTSIDE

### CHECK IF DONE

START CLOCK... <b>Rule #1</b> .....	_____
CHECK IN..... <b>Rule #1</b> .....	_____
CHECK SCSR..... <b>Rule #3</b> .....	_____
<b>(Following items as per Rule #2)</b>	
CHECK GAS DETECTOR ( <b>Must be left on during problem</b> ).....	_____
CHECK IF CONTESTANT HAS REQUIRED EQUIPMENT	
SAFETY CAP.....	_____
SAFETY BOOTS (not shoes).....	_____
MINING BELT w/ID TAG THAT MATCHES CHECK-IN TAG.....	_____
MSHA APPROVED CAP LIGHT (must work but can be left off)....	_____
SCSR.....	_____
ANEMOMETER.....	_____
WATCH.....	_____
MSHA APPROVED GAS DETECTOR (must be left on).....	_____
ROOF TESTING DEVICE.....	_____
DISTANCE MEASURING DEVICE.....	_____
TOOL APRON (Not required).....	_____
BLANK INDEX CARDS.....	_____
PEN/PENCIL/MARKER.....	_____
PAPER (Not required).....	_____
CLIPBOARD(Not required) .....	_____

# JUDGING INFORMATION

## GAS TESTS & DTI's (Rule 4, 5 and 6)

	TEST MADE	TEST	DTI
No. 1 Entry (anywhere in entry).....	_____	_____	
No. 2 Entry (anywhere in entry).....	_____	_____	
No. 3 Entry (anywhere in entry).....	_____	_____	
No. 2 Power Center.....	_____	_____	
No. 3 Belt Drive.....	_____	_____	

## ROOF TESTS (verbally state visual exam in each entry) Rule 10 TEST MADE

No. 1 Entry.....	_____
No. 2 Entry.....	_____
No. 3 Entry.....	_____

## HAZARDOUS CONDITIONS (verbally identify)

IDENTIFIED

### No. 1 Entry

- (75.360) Water over Knee Deep (turn on pump) ..... \_\_\_\_\_
- (75.1714-3) Self Rescuer missing from cache (can report or move one over)... \_\_\_\_\_

### No. 2 Entry

- (75.380) Life line over pump power cable (DTI and report or fix)..... \_\_\_\_\_
- (75.380) Stopping missing at power center (DTI and report)..... \_\_\_\_\_

### No. 3 Entry

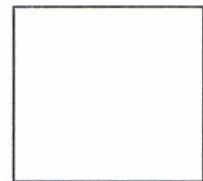
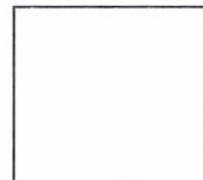
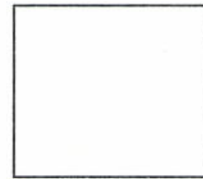
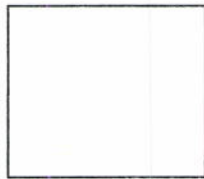
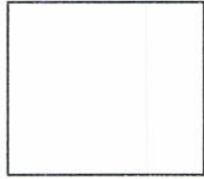
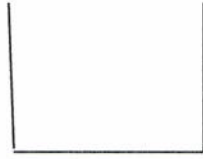
- (75.1103-4) Air flow on belt line incorrect too low ( DTI and report)..... \_\_\_\_\_
- (75.333) Power cable through hole in stopping (DTI and report)..... \_\_\_\_\_
- (75.1101-9) No Fire hose at Drive or within 300 ft. DTI and report) ..... \_\_\_\_\_
- (75.1100-2) No Fire outlet at Drive within 25 feet of tail piece (DTI and report)... \_\_\_\_\_
- (75.1103-4) AMS on wrong side of Drive (DTI, report, can move) ..... \_\_\_\_\_
- (75.360) Belt Roller in walkway (move out of walkway)..... \_\_\_\_\_
- (75.360) Garbage in Belt line (DTI and report)..... \_\_\_\_\_
- (75.333) Missing mandoor sign (DTI and report)..... \_\_\_\_\_

AIR READING (taken for one minute on the belt line at air flow check location, provide individual with 40 FPM of air flow this is the only information to provide)

## NOTES:

1. Must take air readings for **60 seconds**. Rule 8
2. Not taking proper air reading. Rule 9.
3. Contestant may use either anemometer held in proper direction of air flow.
4. If placard not present at required gas test location, O2 = 20.9%, CH4 = 0.0%.
5. Acts of endangerment, i.e. crossing moving belt. Rule 16
6. Acts that could result in explosion, explosive methane over ignition source. Rule 15
7. Not identifying hazard. Rule 11

## Contestant Map



## VENTILATION PLAN

1. Ventilation devices shall be maintained to within 5 feet of the face and to the last row of supports for mined faces.
2. When an auxiliary fan is operating and the ventilation tubing is routed through the crosscut immediately outby the last open crosscut, compliance with the last open crosscut ventilating requirement will be met if the sum of the air quantities in the vent tube and last two open crosscuts exceeds the quantity specified below.
3. Permanent ventilation (stoppings) shall be maintained up to and including the third connecting crosscut. Stoppings shall be installed between intake and belt prior to start of mining.
4. Ambient Carbon Monoxide is 5 PPM.
5. AMS sensor on 1000 foot spacing.

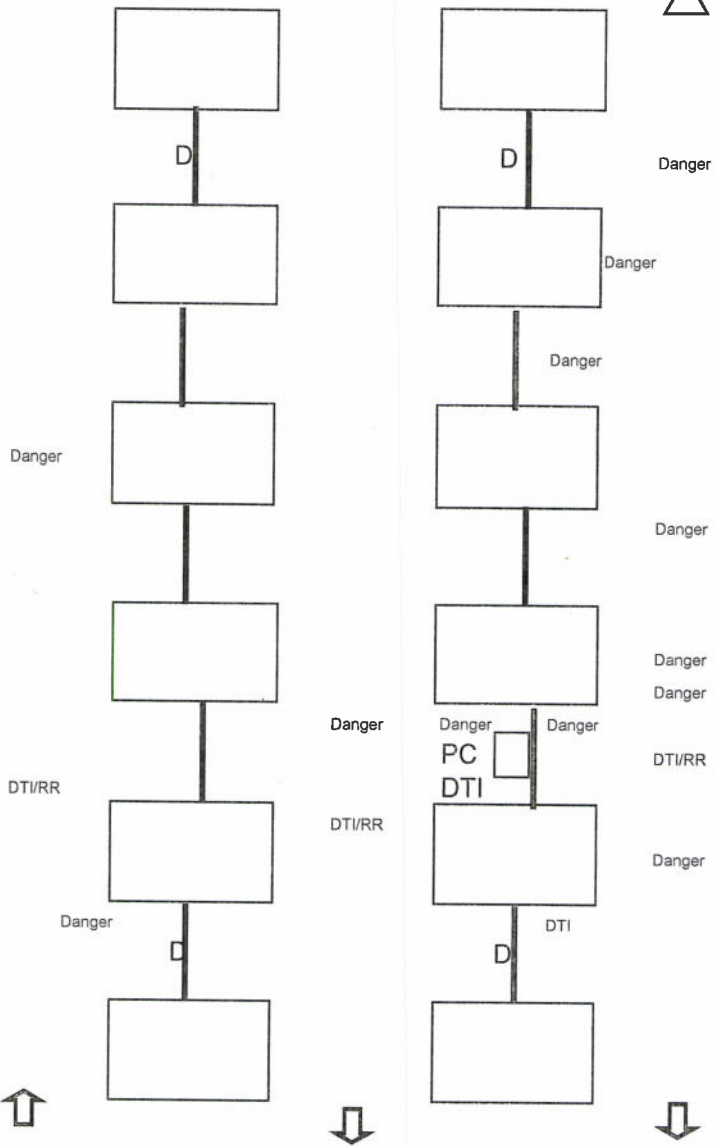
### 6. Air Quantities Required

<b>Working Face</b>	<b>10,000 CFM</b>
<b>Idle Face</b>	<b>3,000 CFM</b>
<b>Bolting Face</b>	<b>3,000 CFM</b>
<b>Last Open Crosscut</b>	<b>25,000 CFM</b>

## Roof Control Plan

1. The Roof Control Plan requires 5-foot fully grouted resin bolts to be installed on 4-foot by 4-foot centers, with a minimum of 4 bolts per row.
2. Roof bolts are required to be installed to within 4 feet of the face.
3. The depth of mining cuts shall not exceed 20 feet as measured from the last row of permanent supports.
4. Faces shall be bolted within 24 hours of mining; except during equipment (roof bolter) breakdowns. Upon completion of repairs, bolting of unsupported faces shall immediately begin.
7. Unsupported warning indicator to be hung on last row.

△ T.P.



## CONTESTANT STATEMENT

You have been assigned to do a pre-shift examination of the outby area including a mid-panel drive/tail piece exchange leading up to the 001 section. This is a production shift for the section and 9 miners are working on the section. The inspection is to include all entries #1 through #3 up to the section tail piece. Entries average 20-feet wide by 8-feet high with variations in roof height. The mine has a history of some methane. Energizing / de-energizing equipment is handled through switches. All actions must be verbalized to the Judges. Gas readings and air readings will be handled through the Judges.



8. Not correcting hazard. Rule 12

Contestant can correct following hazards;

1. Replace SCSR in return with one from intake.
2. Turn on the pump at controller.
3. If they want they can pull life line up and then re-string it out under the pump cable.
4. Can move AMS if they want to other side of Drive.
5. Move Belt roller out of walkway.