

FW: 200502 - IMT Meeting Minutes for TG104 CH4

From: Confidential
To: Confidential
Date: Fri, 05 Mar 2021 08:11:34 +1000
Attachments: LW104 Gas concentration Data NS 030520 R Blines.pdf (860.79 kB)

From: Johnston, Mark
Sent: Sunday, 3 May 2020 4:44 PM
To: Griffiths, Trent
Cc: Blines, Rebecca
Subject: RE: 200502 - IMT Meeting Minutes for TG104 CH4

Trent,
Attached is the data sheet Bec filled in for me. I will get it done again when we kick off. We had the same issues with the fault when we were approaching 40ct. I have been keeping a close eye on the Goaf holes as the amount of O2 we are seeing and the increase of CO on holes as they move back into the goaf is something we really need to watch so we don't create other problems. Cheers Johnno

From: Griffiths, Trent
Sent: Sunday, 3 May 2020 4:27 PM
To: Johnston, Mark; Kostowski, Raymond; Britton, Shaun
Cc: Mohr, Logan; Needham, Gary
Subject: Re: 200502 - IMT Meeting Minutes for TG104 CH4

Johnno,

Fully appreciate the feedback and efforts going into this.

Interesting to see the amount of gas make on the face despite no production for almost 36 hours.....Would be interesting to see if there many "floor bubblers" identified on the face between the pan line and pontoons and if these are more concentrated around mid face?....

Regards,

Trent Griffiths
Site Senior Executive
General Manager

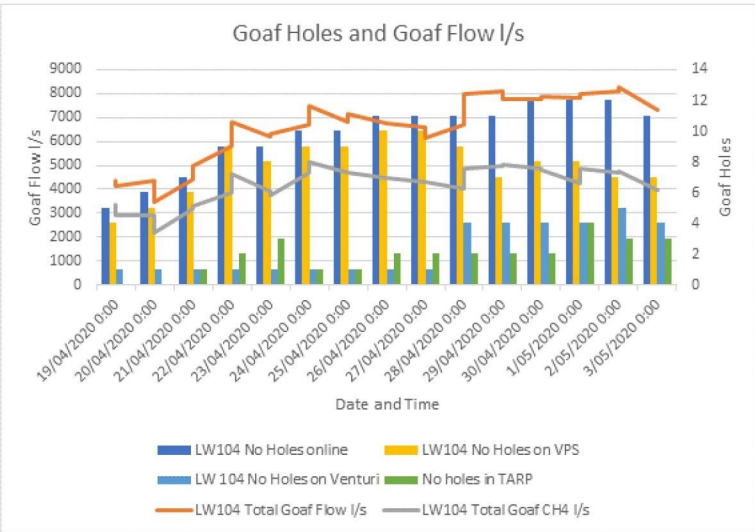
Confidential

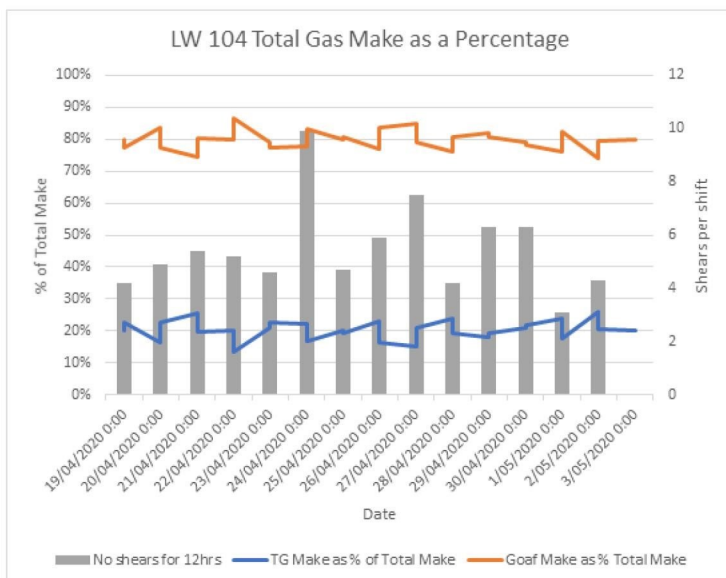
COAL
Grosvenor Mine
464 Goonyella Road, Moranbah, 4744, Australia
www.angloamerican.com
A member of the Anglo American plc group

From: Johnston, Mark
Sent: Sunday, May 3, 2020 4:04 pm
To: Griffiths, Trent; Kostowski, Raymond; Britton, Shaun
Cc: Mohr, Logan; Needham, Gary
Subject: RE: 200502 - IMT Meeting Minutes for TG104 CH4

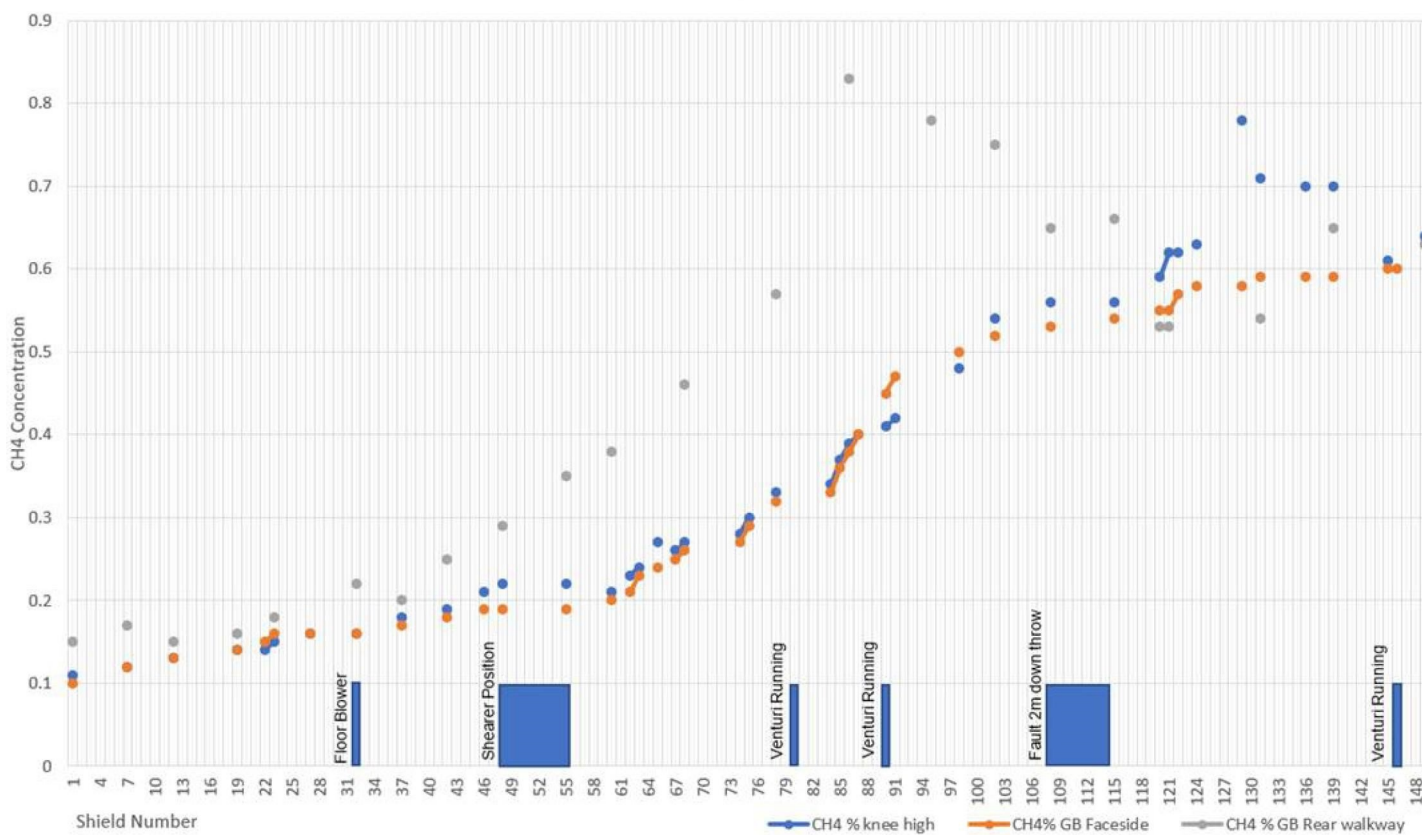
Trent,
I am working on it. I want to show the whole picture with the data not just what we think it is. Also the Gas Plant just got a high alarm for O2 (6%). We have put more holes on venturi to get more suction and flow for the other holes on VPS but the CH4 concentration has dropped from a combined 78% to 54% and we have 9% O2 150m back into the TG goaf. To rectify this some of the lower CH4 % holes are being put on venturi and are putting the higher concentration ones that are back in the goaf, back onto VPS to lower the over all O2. So the goaf wells are going as hard as they can and the only wells turned off are the ones that go into TARP. The lowest flowing holes further into the goaf are the ones being shut in so they can keep the skid 2 holes ahead of the LW.

I went underground to the LW to check on some things for myself as well as some other inspections in MG105 and the Mains and just got out. However here is some of it to ponder in the meantime until I can put the rest of the data together. Bec did a great job last night collecting some info that I asked for to shed a bit more light on the face issues. Attached is the graph from the data collect from Bec and from info gathered today from Adam Maggs. Adam is making some adjustments for me to improve the use of venturis and prevent them pushing addition goaf gas into the main vent path. You can see that venturis are actually pushing more goaf gas out into the general body. The belt flap at the MG end has a 20 Pa influence but has not been tested due to the face pumping PUR. I have reviewed the Goaf drainage gas make data with the TG Gas Make and the ratio is 2:5 see below. Seam gas and the Vent and Gas team are doing everything we can. From the info we have collected since startup, I have been putting together the information to show the whole picture. I have attached a pdf and where we are now is the same as when we were cutting the fault approaching 40ct. I will continue to pull the info together so we can review all the data as a whole not just what each department puts together. Sorry for delay.





LW 104 survey 3/05/2020



From: Griffiths, Trent [REDACTED]
Sent: Sunday, 3 May 2020 1:02 PM
To: Johnston, Mark [REDACTED]; Kostowski, Raymond [REDACTED]; Britton, Shaun [REDACTED]
Cc: Mohr, Logan [REDACTED]; Needham, Gary [REDACTED]
Subject: Re: 200502 - IMT Meeting Minutes for TG104 CH4

Gents,

Any feedback on this please?.....

Regards,

Trent Griffiths
 Site Senior Executive
 General Manager

[REDACTED]

COAL
 Grosvenor Mine
 464 Goonyella Road, Moranbah, 4744, Australia
www.angloamerican.com
 A member of the Anglo American plc group

From: Griffiths, Trent **Confidential**
Sent: Sunday, May 3, 2020 7:06:27 AM
To: Johnston, Mark **Confidential**; Kostowski, Raymond **Confidential**; Britton, Shaun **Confidential**
Subject: Re: 200502 - IMT Meeting Minutes for TG104 CH4

Gents,

Just touching base to see where are we up to this morning with setting up and turning on more goaf Venturis to increase total LW104 capacity?

Yesterday morning we had 12 x holes online:

DATE	TIME	Static Pressure Kpa (gauge)	Differential pressure kPa	Orifice ID mm	CO PPM	CH ₄ Vol %	O ₂ Vol %	CO ₂ Vol %	N ₂ Vol %	Total Flow L/s at STP	Methane Flow L/s at STP	VPS or Venting	
GOAF LONGWALL 104													
2/05/2020	02:20:00	-16.10	3.53	150	2.00	72.00	5.80	0.60	21.60	916	619	VPS	GR04L002 GMS06 V
2/05/2020	02:10:00	-18.23	1.06	150	0.00	71.00	7.00	0.60	21.40	499	332	VPS	GR04V001 GMS09 V
2/05/2020	02:30:00	-17.66	1.30	150	24.00	63.00	3.30	1.20	32.50	542	320	VPS	GR04V003 GMS05 V
2/05/2020	02:40:00	-19.19	0.90	150	25.00	64.00	3.20	0.80	32.00	450	269	VPS	GR04V004.5 GMS03
2/05/2020	02:00:00	-15.41	1.45	150	0.00	98.00	1.30	0.80	-0.10	647	595	Venturi	GR04M001 GMS07 V
2/05/2020	02:50:00	-16.05	3.60	150	29.00	69.00	5.80	0.80	24.40	916	593	VPS	GR04V006.5 GMS1
2/05/2020	03:00:00	-12.81	1.80	150	49.00	56.00	8.60	0.60	34.80	642	338	Venturi	GR04V007 GMS15 V
2/05/2020	03:10:00	-9.67	1.80	150	56.00	46.00	10.40	0.40	43.20	636	276	Venturi	GR04V008 GMS11 V
2/05/2020	03:20:00	-16.10	4.18	150	65.00	43.00	10.70	0.60	45.70	917	370	VPS	GR04V008.5 GMS13
2/05/2020	03:25:00	-16.90	3.15	150	55.00	46.00	10.40	0.80	42.80	801	346	VPS	GR04V009 GMS02 V
2/05/2020	03:30:00	-15.98	4.05	150	43.00	50.00	9.80	1.00	39.20	919	431	VPS	GR04V009.5 GMS08
2/05/2020	03:35:00	-17.95	0.20	150	0.00	86.00	3.30	1.00	9.70	229	185	Venturi	GR04M001.5 GMS01
									TOTALS	8115	4676		

This morning we have 11 x holes online:

DATE	TIME	Static Pressure Kpa (gauge)	Differential pressure kPa	Orifice ID mm	CO PPM	CH ₄ Vol %	O ₂ Vol %	CO ₂ Vol %	N ₂ Vol %	Total Flow L/s at STP	Methane Flow L/s at STP	VPS or Venting	
GOAF LONGWALL 104													
3/05/2020	02:40:00	-18.40	3.70	150	3.00	63.00	6.80	0.60	29.60	900	531	VPS	GR04L002 GMS06 V
3/05/2020	02:35:00	-20.30	1.00	150	0.00	86.00	3.10	0.60	10.30	502	404	VPS	GR04V001 GMS09 V
3/05/2020	02:45:00	-11.08	1.08	150	25.00	56.00	4.40	1.20	38.40	504	266	Venturi	GR04V003 GMS05 V
3/05/2020	02:50:00	-15.57	0.70	150	20.00	57.00	6.10	0.60	36.30	398	213	Venturi	GR04V004.5 GMS03
3/05/2020	02:30:00	-23.20	1.40	150	0.00	68.00	6.90	0.60	24.50	550	349	VPS	GR04M001 GMS07 V
3/05/2020	02:55:00	-17.20	4.14	150	35.00	64.00	6.30	0.60	29.10	961	576	VPS	GR04V006.5 GMS1
3/05/2020	03:00:00	-13.07	1.70	150	51.00	51.00	9.10	0.40	39.50	615	295	Venturi	GR04V007 GMS15 V
3/05/2020	03:05:00	-17.07	4.70	150	65.00	43.00	10.40	0.60	46.00	965	389	VPS	GR04V008.5 GMS13
3/05/2020	03:10:00	-18.58	3.17	150	65.00	43.00	10.80	0.60	45.60	790	318	VPS	GR04V009 GMS02 V
3/05/2020	03:15:00	-18.76	3.02	150	55.00	40.00	11.00	0.60	48.40	765	287	VPS	GR04V009.5 GMS08
3/05/2020	03:20:00	-16.62	0.55	150	0.00	88.00	3.10	1.00	7.90	384	317	Venturi	GR04M001.5 GMS01
									TOTALS	7334	3945		

Please confirm we are still aiming to try and reduce the TG general body background methane levels by 0.4-0.5% (around 300L/s or so of methane) so we can allow the LW to safely get through the rest of this fault system over the next 60 metres retreat or so?

Can you please send through an action plan showing when the additional holes will be online and what estimated total capacity we are aiming for?

With a ratio of 1:5 (which we saw in August last year with the venting trial) we will need to move from 8,000L/s to around 11,000L/s of total goaf flow.

With the LW set to get back up and running by end of afternoon shift today time is of the essence.....

Thanks.

Regards,

Trent Griffiths
 Site Senior Executive
 General Manager

Confidential

COAL
 Grosvenor Mine
 464 Goonyella Road, Moranbah, 4744, Australia
www.angloamerican.com
 A member of the Anglo American plc group

From: Johnston, Mark **Confidential**
Sent: Saturday, May 2, 2020 4:31:01 PM
To: Grosvenor Undermanagers **Confidential**; Grosvenor Control Room Operators **Confidential**; Copeland, Mick **Confidential**; Steed, Edward **Confidential**; Bauer, Clinton **Confidential**
Cc: Mohr, Logan **Confidential**; Heame, Hayden **Confidential**; Goonawardene, Ravindu **Confidential**; Niehaus, Wouter **Confidential**; Griffiths, Trent **Confidential**; Giese, Stephen **Confidential**; Agustin, John **Confidential**; Needham, Gary **Confidential**
Subject: 200502 - IMT Meeting Minutes for TG104 CH4

All,
 Attached are minutes of this afternoons IMT meeting. Thanks Mark
 Mark Johnston
 Grosvenor Ventilation Officer
Confidential

