

From: Shay Dougall [shay@molliwell.com.au]

Sent: Monday, 24 November 2014 8:57 AM

Subject: Media Release - Water Bore Blows

Attachments: Media Release 23 Nov 2014 - Hopeland Water Bore Blows.pdf

Hi everyone, for your info, this is a media release I have prepared and distributed.

Regards

--

Shay Dougall
0746654072

RTI DL RELEASE - EHP



Hopeland experiences taste of dry future

On Thursday 20 November 2014 at approximately 6.30pm an old bore that had been disused but stable for 30 year inexplicably let out a loud bang and followed with an almighty gush of water and gas 6 foot into the air. It then continued to release water (including from outside of the casing) for another day. Now it sits with nothing much to indicate anything had happened other than an interesting thin white crust on the ground, and the eerie sound of gas rushing out of it and a side to side movement to the casing.

The Bore is in the Walloon coal measures as almost all of the priority agricultural Hopeland farming bores are.

Bores are used in this part of the country to water stock and to supply an alternative water source to the farmer in times of drought. ***We all know, no water, no farm.***

This event spells the death of all bores in the Walloons. This spells the impending death of the Aquifer. Which Aquifer is next?

The Hopeland community spend the next few days anxiously discussing the occurrence amongst themselves trying to get to the bottom of the event.

By Sunday it is understood that the CSG Compliance Unit had visited.

The Hopeland Community Sustainability Group contacted Origin via email on Saturday night and then again on Sunday with a phone call and email to senior management in Origin expressing the anxiety of every landholder with a bore in the community and requesting full and frank information sharing .

By midday the 'on duty' landholder liaison had returned the contact and when asked directly for information regarding the bore that blew out, he responded with, "I don't know what you are talking about, what bore?".

I then received an email from the Senior Manager saying that he was not aware of any safety or emergency issues that needed immediate attention and that further details will be found out next week.

Some facts about CSG, farm bores, aquifers.

1. When one gas field is depressurised and dewatered, the next door field may have the added bonus reaction of releasing its gas easier.
2. Hopeland is in PL 272, which is largely undrilled (as yet) and is right next door (over the road from) the Orana Gas Processing Facility and the Orana Gasfield
3. This bore from Thursday is about 5 km from one of Origins locations for monitoring equipment for the "Condamine Seep". And about 10 km from the Orana GPF and gas field (see diagram on last page)
4. The Orana Gas Processing Facility has been undergoing commissioning and a massive flare burning TJs of gas out of the Orana gas field each time it is ignited (tera joule – 1 trillion joules)
5. A typical well will have 500-1000 bbl/d of water per day = 159 litre x 1000 = 159000 litres = number of litres of water from one typical well in phase one of production. How many lots of 159000 litres per day can be removed from the aquifer before it effects the other "licenced users of allocated amounts" of that very same water?
6. As of September 2014 Origin have roughly 800 gas wells commissioned

Media Release

23 November 2014



7. Early Data indicates Orana performance to be better than expected, high water rates when brought online, number of wells producing gas immediately upon start up, 13 wells are free flowing (no downhole pump required)
8. The first Hopeland bore to blow in this way due to depressurising and dewatering activity was in 2008, again in 2010 and now this stable disused bore in 2014.
9. There are a number of farmer water bores across Hopeland that in the last year have begun percolating and bubbling and gaseous

The bores in Hopeland will start blowing, then the aquifer will be ruined and what of the farmer?

How will the gas companies "Make Good". Where are they going to get guaranteed water from to give back to the farmers? **No water, no farm.**

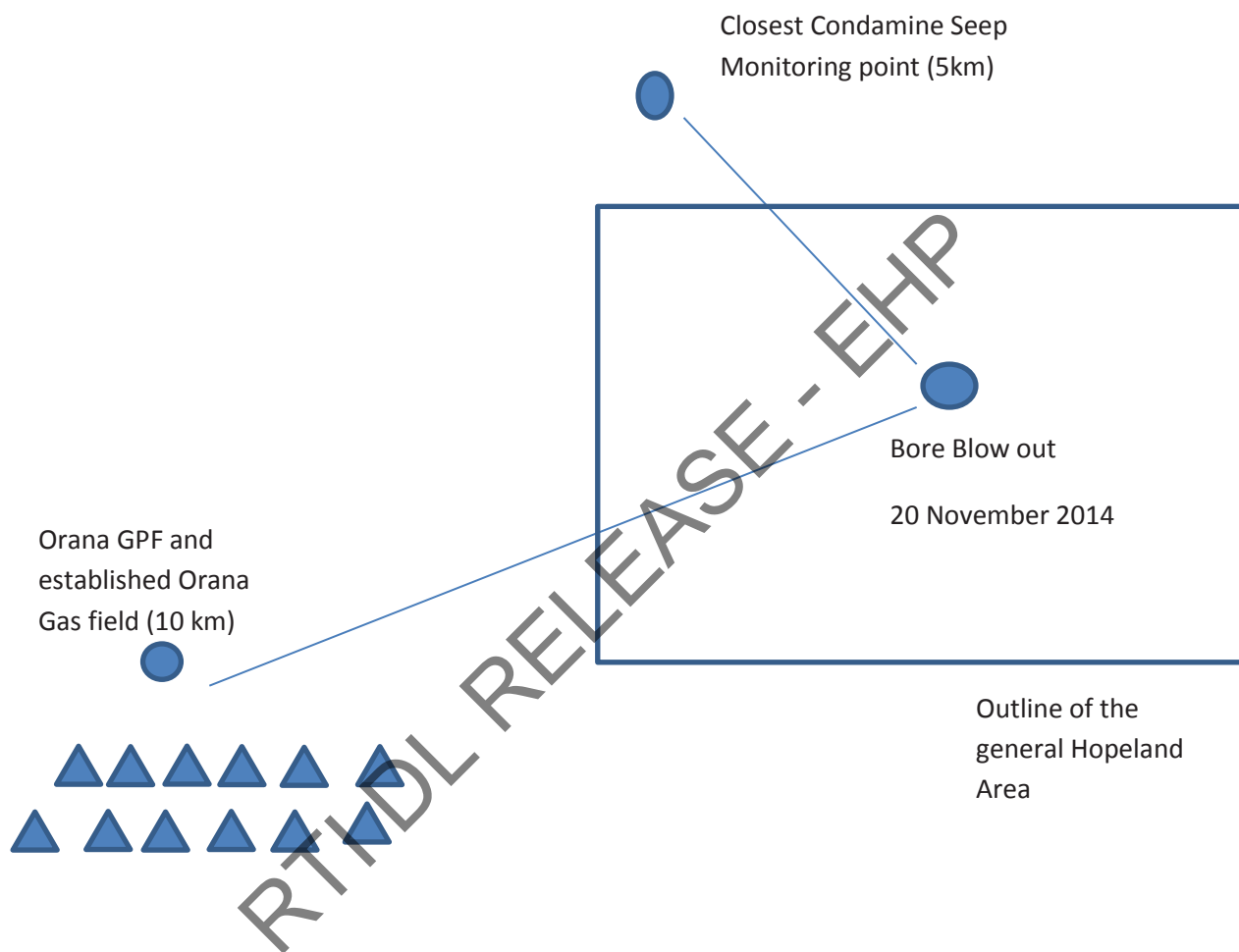
Ministers McVeigh, Cripps, Seeney and Premier Newman are on notice. The people of Hopeland on behalf of all farmers in the midst of this nightmare, are called on now to reread the letters and emails sent to them by worried and heartbroken farmers and come out to Hopeland and explain again to these farmers how they are protecting priority agricultural land and aquifers.

If they were really protecting people, agriculture and aquifers, the CSG industry would be rolled back, they would be forced to undertake water conservation actions to prevent the aquifers from being drained and it would not be left to individual farmers to negotiate with multinational companies to protect their families, businesses, land and water.

So I guess that means that our perspective is all wrong in the staunch and beautiful strategic cropping country that is Hopeland:

- A stable disused water bore is actually a free flowing gas bore that no longer needs a down hole pump.
- That the farmers and cattle and crops currently enjoying quite paddocks and hard work everywhere, should be advised, there is no safety risk or emergency associated with the possibility of operating bores or disused bores inexplicably blowing water and gas 6 foot into the air.
- That while millions of litres of water is drained from the aquifer the farmers have their bores in, there is no connection to farmers bores having gas instead of water.
- But don't worry, not ALL of the water from the aquifer will be gone, as the CSG Company's Environmental Authority specifies that one of the activities they are permitted to undertake is a petroleum activity that involves **injection of a waste fluid into a natural underground reservoir or aquifer**
- Full and frank discussion and information is not required (forget in a timely manner or proactively) from those responsible to those anxious farmers as there is clearly no problem.
- The next helpful activity from the CSG Companies and the Government will be to make farmers go out and foot the bill for the time, expense and danger of shutting in the now free flowing gas wells they have on their properties to stop the wasteful release of 'their' gas.

ENDS



From: NAYLOR Gillian [Gillian.Naylor@ehp.qld.gov.au]
Sent: Monday, 24 November 2014 9:25 AM
To: SMOLKOVA-BISMARCK Angelina; MAVER Neil
CC: BAKER Tony; YOUNG Jenny
Subject: FW: Media Release - Water Bore Blows
Attachments: Media Release 23 Nov 2014 - Hopeland Water Bore Blows.pdf

Hi All,

Forwarding this to you as well as something more will likely come out of this...

Cheers,

Gillian Naylor

Team Leader, Petroleum and Gas | Petroleum, Gas and Compliance
Environmental Services and Regulation
Department of Environment and Heritage Protection
Level 7 | 400 George Street | Brisbane
Tel 07 3330 5620
www.ehp.qld.gov.au
ehp-email-signature



From: YOUNG Jenny
Sent: Monday, 24 November 2014 9:12 AM
To: BAKER Tony; NAYLOR Gillian
Subject: FW: Media Release - Water Bore Blows

Hello,

Just forwarding this email FYI. Shay Dougall is a landholder who has been in contact with me inquiring about APLNG's Walloons EA and I understand Gillian has also spoken with her. I am not sure why this came to me.

Thanks,

Jenny Young

jenny.young@ehp.qld.gov.au

Environmental Support Officer | Petroleum and Gas | Environmental Services and Regulation | Department of Environment and Heritage Protection | Level 7 | 400 George Street | GPO Box 2454 | Brisbane 4001 | **Tel** 07 3330 5715 | **Fax** 07 3330 5634 | www.ehp.qld.gov.au



From: Shay Dougall [<mailto:shay@molliwell.com.au>]
Sent: Monday, 24 November 2014 8:57 AM
Subject: Media Release - Water Bore Blows

Hi everyone, for your info, this is a media release I have prepared and distributed.

Regards

--

Shay Dougall
0746654072

RTI DL RELEASE - EHP



Hopeland experiences taste of dry future

On Thursday 20 November 2014 at approximately 6.30pm an old bore that had been disused but stable for 30 year inexplicably let out a loud bang and followed with an almighty gush of water and gas 6 foot into the air. It then continued to release water (including from outside of the casing) for another day. Now it sits with nothing much to indicate anything had happened other than an interesting thin white crust on the ground, and the eerie sound of gas rushing out of it and a side to side movement to the casing.

The Bore is in the Walloon coal measures as almost all of the priority agricultural Hopeland farming bores are.

Bores are used in this part of the country to water stock and to supply an alternative water source to the farmer in times of drought. ***We all know, no water, no farm.***

This event spells the death of all bores in the Walloons. This spells the impending death of the Aquifer. Which Aquifer is next?

The Hopeland community spend the next few days anxiously discussing the occurrence amongst themselves trying to get to the bottom of the event.

By Sunday it is understood that the CSG Compliance Unit had visited.

The Hopeland Community Sustainability Group contacted Origin via email on Saturday night and then again on Sunday with a phone call and email to senior management in Origin expressing the anxiety of every landholder with a bore in the community and requesting full and frank information sharing .

By midday the 'on duty' landholder liaison had returned the contact and when asked directly for information regarding the bore that blew out, he responded with, "I don't know what you are talking about, what bore?".

I then received an email from the Senior Manager saying that he was not aware of any safety or emergency issues that needed immediate attention and that further details will be found out next week.

Some facts about CSG, farm bores, aquifers.

1. When one gas field is depressurised and dewatered, the next door field may have the added bonus reaction of releasing its gas easier.
2. Hopeland is in PL 272, which is largely undrilled (as yet) and is right next door (over the road from) the Orana Gas Processing Facility and the Orana Gasfield
3. This bore from Thursday is about 5 km from one of Origins locations for monitoring equipment for the "Condamine Seep". And about 10 km from the Orana GPF and gas field (see diagram on last page)
4. The Orana Gas Processing Facility has been undergoing commissioning and a massive flare burning TJs of gas out of the Orana gas field each time it is ignited (tera joule – 1 trillion joules)
5. A typical well will have 500-1000 bbl/d of water per day = 159 litre x 1000 = 159000 litres = number of litres of water from one typical well in phase one of production. How many lots of 159000 litres per day can be removed from the aquifer before it effects the other "licenced users of allocated amounts" of that very same water?
6. As of September 2014 Origin have roughly 800 gas wells commissioned

Media Release

23 November 2014



7. Early Data indicates Orana performance to be better than expected, high water rates when brought online, number of wells producing gas immediately upon start up, 13 wells are free flowing (no downhole pump required)
8. The first Hopeland bore to blow in this way due to depressurising and dewatering activity was in 2008, again in 2010 and now this stable disused bore in 2014.
9. There are a number of farmer water bores across Hopeland that in the last year have begun percolating and bubbling and gaseous

The bores in Hopeland will start blowing, then the aquifer will be ruined and what of the farmer?

How will the gas companies "Make Good". Where are they going to get guaranteed water from to give back to the farmers? **No water, no farm.**

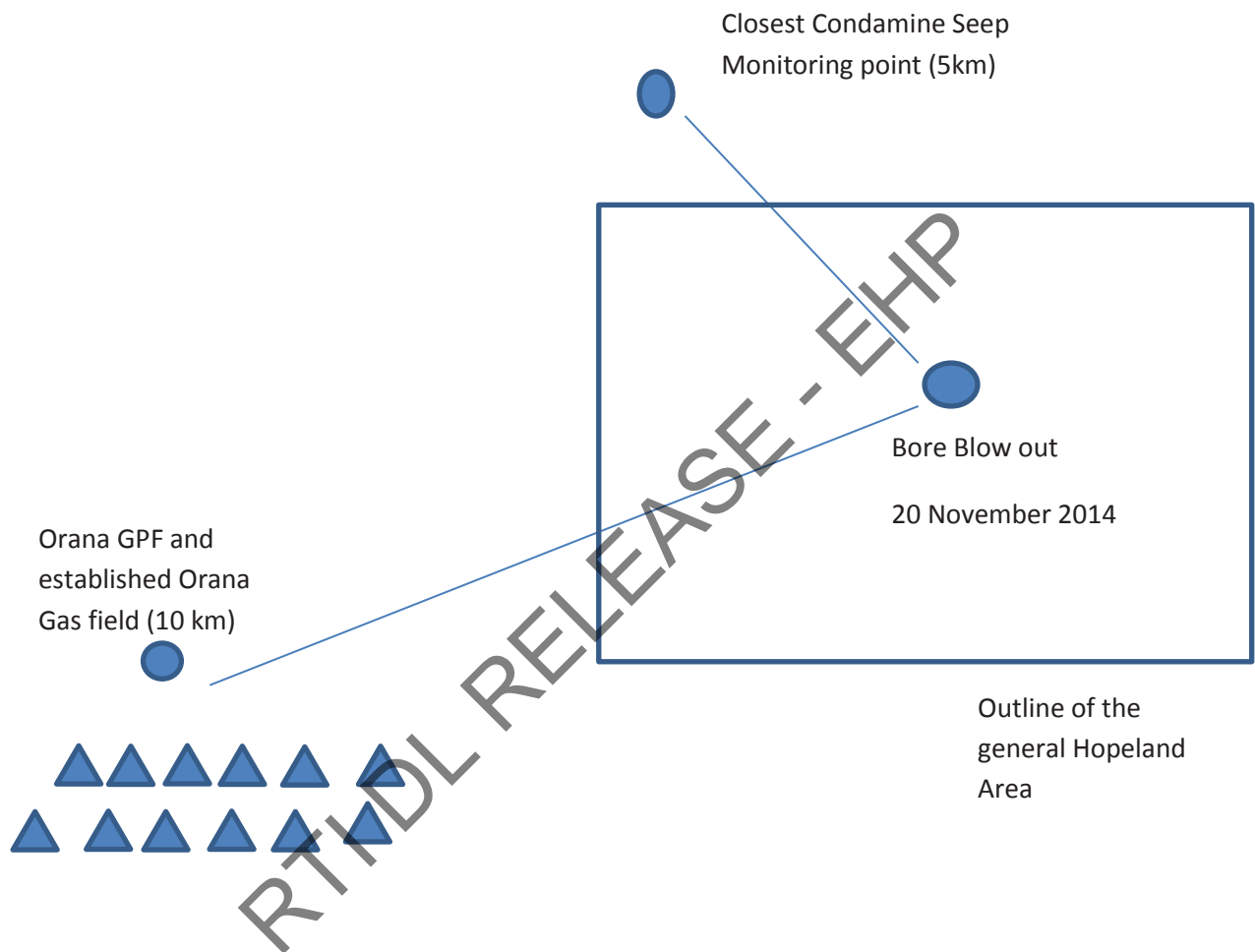
Ministers McVeigh, Cripps, Seeney and Premier Newman are on notice. The people of Hopeland on behalf of all farmers in the midst of this nightmare, are called on now to reread the letters and emails sent to them by worried and heartbroken farmers and come out to Hopeland and explain again to these farmers how they are protecting priority agricultural land and aquifers.

If they were really protecting people, agriculture and aquifers, the CSG industry would be rolled back, they would be forced to undertake water conservation actions to prevent the aquifers from being drained and it would not be left to individual farmers to negotiate with multinational companies to protect their families, businesses, land and water.

So I guess that means that our perspective is all wrong in the staunch and beautiful strategic cropping country that is Hopeland:

- A stable disused water bore is actually a free flowing gas bore that no longer needs a down hole pump.
- That the farmers and cattle and crops currently enjoying quite paddocks and hard work everywhere, should be advised, there is no safety risk or emergency associated with the possibility of operating bores or disused bores inexplicably blowing water and gas 6 foot into the air.
- That while millions of litres of water is drained from the aquifer the farmers have their bores in, there is no connection to farmers bores having gas instead of water.
- But don't worry, not ALL of the water from the aquifer will be gone, as the CSG Company's Environmental Authority specifies that one of the activities they are permitted to undertake is a petroleum activity that involves **injection of a waste fluid into a natural underground reservoir or aquifer**
- Full and frank discussion and information is not required (forget in a timely manner or proactively) from those responsible to those anxious farmers as there is clearly no problem.
- The next helpful activity from the CSG Companies and the Government will be to make farmers go out and foot the bill for the time, expense and danger of shutting in the now free flowing gas wells they have on their properties to stop the wasteful release of 'their' gas.

ENDS



From: NAYLOR Gillian [Gillian.Naylor@ehp.qld.gov.au]
Sent: Monday, 24 November 2014 9:25 AM
To: SMOLKOVA-BISMARCK Angelina; MAVER Neil
CC: BAKER Tony; YOUNG Jenny
Subject: FW: Media Release - Water Bore Blows
Attachments: Media Release 23 Nov 2014 - Hopeland Water Bore Blows.pdf

Hi All,

Forwarding this to you as well as something more will likely come out of this...

Cheers,

Gillian Naylor

Team Leader, Petroleum and Gas | Petroleum, Gas and Compliance
Environmental Services and Regulation
Department of Environment and Heritage Protection
Level 7 | 400 George Street | Brisbane
Tel 07 3330 5620
www.ehp.qld.gov.au
ehp-email-signature



From: YOUNG Jenny
Sent: Monday, 24 November 2014 9:12 AM
To: BAKER Tony; NAYLOR Gillian
Subject: FW: Media Release - Water Bore Blows

Hello,

Just forwarding this email FYI. Shay Dougall is a landholder who has been in contact with me inquiring about APLNG's Walloons EA and I understand Gillian has also spoken with her. I am not sure why this came to me.

Thanks,

Jenny Young

jenny.young@ehp.qld.gov.au

Environmental Support Officer | Petroleum and Gas | Environmental Services and Regulation | Department of Environment and Heritage Protection | Level 7 | 400 George Street | GPO Box 2454 | Brisbane 4001 | **Tel** 07 3330 5715 | **Fax** 07 3330 5634 | www.ehp.qld.gov.au



From: Shay Dougall [<mailto:shay@molliwell.com.au>]
Sent: Monday, 24 November 2014 8:57 AM
Subject: Media Release - Water Bore Blows

Hi everyone, for your info, this is a media release I have prepared and distributed.

Regards

--

Shay Dougall
0746654072

RTI DL RELEASE - EHP



Hopeland experiences taste of dry future

On Thursday 20 November 2014 at approximately 6.30pm an old bore that had been disused but stable for 30 year inexplicably let out a loud bang and followed with an almighty gush of water and gas 6 foot into the air. It then continued to release water (including from outside of the casing) for another day. Now it sits with nothing much to indicate anything had happened other than an interesting thin white crust on the ground, and the eerie sound of gas rushing out of it and a side to side movement to the casing.

The Bore is in the Walloon coal measures as almost all of the priority agricultural Hopeland farming bores are.

Bores are used in this part of the country to water stock and to supply an alternative water source to the farmer in times of drought. ***We all know, no water, no farm.***

This event spells the death of all bores in the Walloons. This spells the impending death of the Aquifer. Which Aquifer is next?

The Hopeland community spend the next few days anxiously discussing the occurrence amongst themselves trying to get to the bottom of the event.

By Sunday it is understood that the CSG Compliance Unit had visited.

The Hopeland Community Sustainability Group contacted Origin via email on Saturday night and then again on Sunday with a phone call and email to senior management in Origin expressing the anxiety of every landholder with a bore in the community and requesting full and frank information sharing .

By midday the 'on duty' landholder liaison had returned the contact and when asked directly for information regarding the bore that blew out, he responded with, "I don't know what you are talking about, what bore?".

I then received an email from the Senior Manager saying that he was not aware of any safety or emergency issues that needed immediate attention and that further details will be found out next week.

Some facts about CSG, farm bores, aquifers.

1. When one gas field is depressurised and dewatered, the next door field may have the added bonus reaction of releasing its gas easier.
2. Hopeland is in PL 272, which is largely undrilled (as yet) and is right next door (over the road from) the Orana Gas Processing Facility and the Orana Gasfield
3. This bore from Thursday is about 5 km from one of Origins locations for monitoring equipment for the "Condamine Seep". And about 10 km from the Orana GPF and gas field (see diagram on last page)
4. The Orana Gas Processing Facility has been undergoing commissioning and a massive flare burning TJs of gas out of the Orana gas field each time it is ignited (tera joule – 1 trillion joules)
5. A typical well will have 500-1000 bbl/d of water per day = 159 litre x 1000 = 159000 litres = number of litres of water from one typical well in phase one of production. How many lots of 159000 litres per day can be removed from the aquifer before it effects the other "licenced users of allocated amounts" of that very same water?
6. As of September 2014 Origin have roughly 800 gas wells commissioned

Media Release

23 November 2014



7. Early Data indicates Orana performance to be better than expected, high water rates when brought online, number of wells producing gas immediately upon start up, 13 wells are free flowing (no downhole pump required)
8. The first Hopeland bore to blow in this way due to depressurising and dewatering activity was in 2008, again in 2010 and now this stable disused bore in 2014.
9. There are a number of farmer water bores across Hopeland that in the last year have begun percolating and bubbling and gaseous

The bores in Hopeland will start blowing, then the aquifer will be ruined and what of the farmer?

How will the gas companies "Make Good". Where are they going to get guaranteed water from to give back to the farmers? **No water, no farm.**

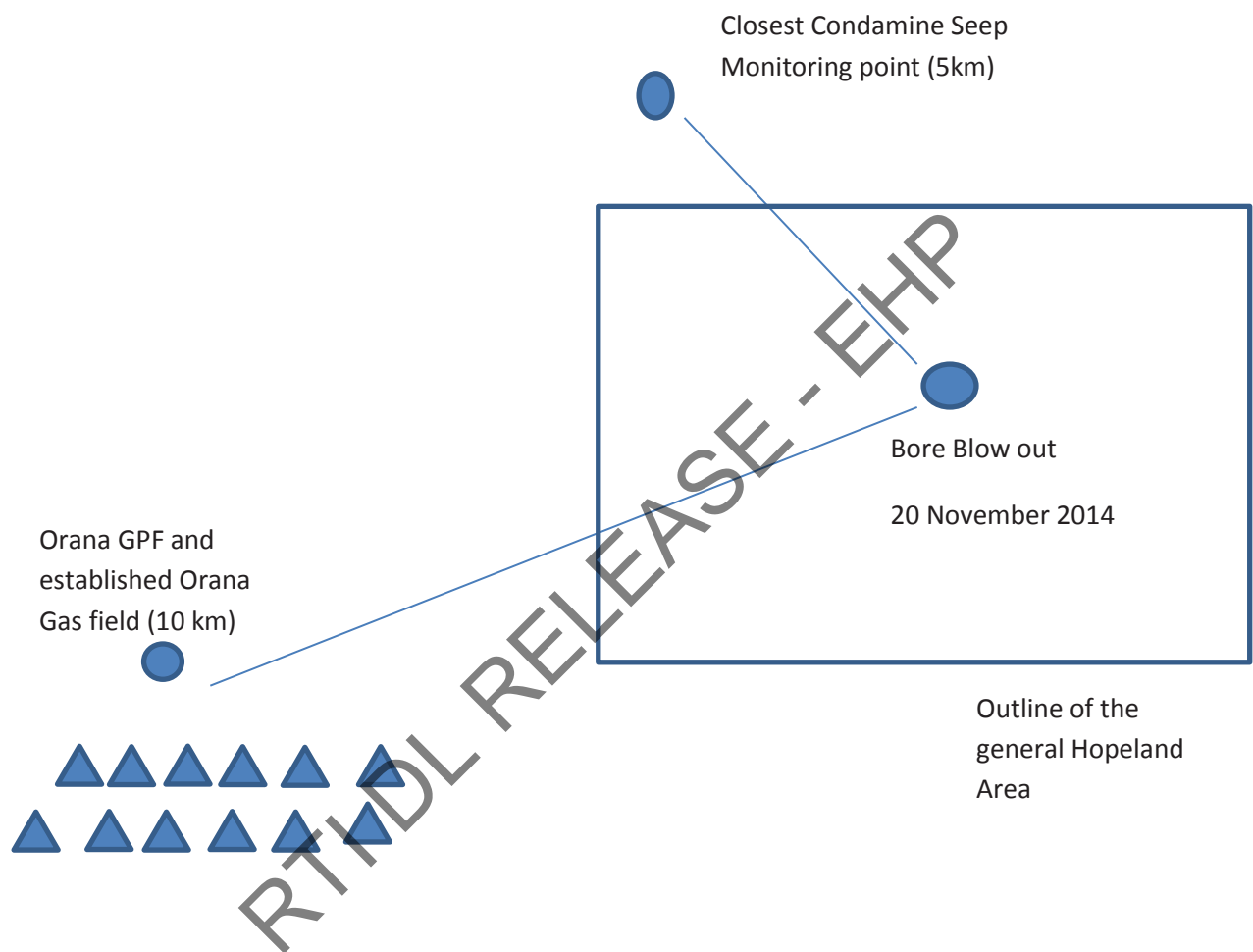
Ministers McVeigh, Cripps, Seeney and Premier Newman are on notice. The people of Hopeland on behalf of all farmers in the midst of this nightmare, are called on now to reread the letters and emails sent to them by worried and heartbroken farmers and come out to Hopeland and explain again to these farmers how they are protecting priority agricultural land and aquifers.

If they were really protecting people, agriculture and aquifers, the CSG industry would be rolled back, they would be forced to undertake water conservation actions to prevent the aquifers from being drained and it would not be left to individual farmers to negotiate with multinational companies to protect their families, businesses, land and water.

So I guess that means that our perspective is all wrong in the staunch and beautiful strategic cropping country that is Hopeland:

- A stable disused water bore is actually a free flowing gas bore that no longer needs a down hole pump.
- That the farmers and cattle and crops currently enjoying quite paddocks and hard work everywhere, should be advised, there is no safety risk or emergency associated with the possibility of operating bores or disused bores inexplicably blowing water and gas 6 foot into the air.
- That while millions of litres of water is drained from the aquifer the farmers have their bores in, there is no connection to farmers bores having gas instead of water.
- But don't worry, not ALL of the water from the aquifer will be gone, as the CSG Company's Environmental Authority specifies that one of the activities they are permitted to undertake is a petroleum activity that involves **injection of a waste fluid into a natural underground reservoir or aquifer**
- Full and frank discussion and information is not required (forget in a timely manner or proactively) from those responsible to those anxious farmers as there is clearly no problem.
- The next helpful activity from the CSG Companies and the Government will be to make farmers go out and foot the bill for the time, expense and danger of shutting in the now free flowing gas wells they have on their properties to stop the wasteful release of 'their' gas.

ENDS



From: NAYLOR Gillian [Gillian.Naylor@ehp.qld.gov.au]
Sent: Monday, 24 November 2014 9:31 AM
To: MCDONAGH Keara
CC: BAKER Tony
Subject: FW: Media Release - Water Bore Blows
Attachments: Media Release 23 Nov 2014 - Hopeland Water Bore Blows.pdf

Keara, as discussed. I've been talking with Shay recently, but not about this issue.

Gillian Naylor

Team Leader, Petroleum and Gas | Petroleum, Gas and Compliance
Environmental Services and Regulation
Department of Environment and Heritage Protection
Level 7 | 400 George Street | Brisbane
Tel 07 3330 5620
www.ehp.qld.gov.au
ehp-email-signature



From: Shay Dougall [mailto:shay@moliwell.com.au]
Sent: Monday, 24 November 2014 8:57 AM
Subject: Media Release - Water Bore Blows

Hi everyone, for your info, this is a media release I have prepared and distributed.

Regards

--

Shay Dougall
0746654072

RTI DL RELEASE - EHP



Hopeland experiences taste of dry future

On Thursday 20 November 2014 at approximately 6.30pm an old bore that had been disused but stable for 30 year inexplicably let out a loud bang and followed with an almighty gush of water and gas 6 foot into the air. It then continued to release water (including from outside of the casing) for another day. Now it sits with nothing much to indicate anything had happened other than an interesting thin white crust on the ground, and the eerie sound of gas rushing out of it and a side to side movement to the casing.

The Bore is in the Walloon coal measures as almost all of the priority agricultural Hopeland farming bores are.

Bores are used in this part of the country to water stock and to supply an alternative water source to the farmer in times of drought. ***We all know, no water, no farm.***

This event spells the death of all bores in the Walloons. This spells the impending death of the Aquifer. Which Aquifer is next?

The Hopeland community spend the next few days anxiously discussing the occurrence amongst themselves trying to get to the bottom of the event.

By Sunday it is understood that the CSG Compliance Unit had visited.

The Hopeland Community Sustainability Group contacted Origin via email on Saturday night and then again on Sunday with a phone call and email to senior management in Origin expressing the anxiety of every landholder with a bore in the community and requesting full and frank information sharing .

By midday the 'on duty' landholder liaison had returned the contact and when asked directly for information regarding the bore that blew out, he responded with, "I don't know what you are talking about, what bore?".

I then received an email from the Senior Manager saying that he was not aware of any safety or emergency issues that needed immediate attention and that further details will be found out next week.

Some facts about CSG, farm bores, aquifers.

1. When one gas field is depressurised and dewatered, the next door field may have the added bonus reaction of releasing its gas easier.
2. Hopeland is in PL 272, which is largely undrilled (as yet) and is right next door (over the road from) the Orana Gas Processing Facility and the Orana Gasfield
3. This bore from Thursday is about 5 km from one of Origins locations for monitoring equipment for the "Condamine Seep". And about 10 km from the Orana GPF and gas field (see diagram on last page)
4. The Orana Gas Processing Facility has been undergoing commissioning and a massive flare burning TJs of gas out of the Orana gas field each time it is ignited (tera joule – 1 trillion joules)
5. A typical well will have 500-1000 bbl/d of water per day = 159 litre x 1000 = 159000 litres = number of litres of water from one typical well in phase one of production. How many lots of 159000 litres per day can be removed from the aquifer before it effects the other "licenced users of allocated amounts" of that very same water?
6. As of September 2014 Origin have roughly 800 gas wells commissioned

Media Release

23 November 2014



7. Early Data indicates Orana performance to be better than expected, high water rates when brought online, number of wells producing gas immediately upon start up, 13 wells are free flowing (no downhole pump required)
8. The first Hopeland bore to blow in this way due to depressurising and dewatering activity was in 2008, again in 2010 and now this stable disused bore in 2014.
9. There are a number of farmer water bores across Hopeland that in the last year have begun percolating and bubbling and gaseous

The bores in Hopeland will start blowing, then the aquifer will be ruined and what of the farmer?

How will the gas companies "Make Good". Where are they going to get guaranteed water from to give back to the farmers? **No water, no farm.**

Ministers McVeigh, Cripps, Seeney and Premier Newman are on notice. The people of Hopeland on behalf of all farmers in the midst of this nightmare, are called on now to reread the letters and emails sent to them by worried and heartbroken farmers and come out to Hopeland and explain again to these farmers how they are protecting priority agricultural land and aquifers.

If they were really protecting people, agriculture and aquifers, the CSG industry would be rolled back, they would be forced to undertake water conservation actions to prevent the aquifers from being drained and it would not be left to individual farmers to negotiate with multinational companies to protect their families, businesses, land and water.

So I guess that means that our perspective is all wrong in the staunch and beautiful strategic cropping country that is Hopeland:

- A stable disused water bore is actually a free flowing gas bore that no longer needs a down hole pump.
- That the farmers and cattle and crops currently enjoying quite paddocks and hard work everywhere, should be advised, there is no safety risk or emergency associated with the possibility of operating bores or disused bores inexplicably blowing water and gas 6 foot into the air.
- That while millions of litres of water is drained from the aquifer the farmers have their bores in, there is no connection to farmers bores having gas instead of water.
- But don't worry, not ALL of the water from the aquifer will be gone, as the CSG Company's Environmental Authority specifies that one of the activities they are permitted to undertake is a petroleum activity that involves **injection of a waste fluid into a natural underground reservoir or aquifer**
- Full and frank discussion and information is not required (forget in a timely manner or proactively) from those responsible to those anxious farmers as there is clearly no problem.
- The next helpful activity from the CSG Companies and the Government will be to make farmers go out and foot the bill for the time, expense and danger of shutting in the now free flowing gas wells they have on their properties to stop the wasteful release of 'their' gas.

ENDS

