

From: [REDACTED]
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: [EXTERNAL] Blacktip P3 annulus pressure investigation and Blacktip WOMP
Date: Wednesday, 5 April 2023 10:48:43 PM
Attachments: [image001.jpg](#)
[image002.png](#)
[image003.jpg](#)
[B_Ann MAWOP Based on Fracture Gradient.xlsx](#)

Hi [REDACTED],

Please see comments and updates below.

Kind Regards

[REDACTED]

From: [REDACTED] <[REDACTED]@nopsema.gov.au>
Sent: Monday, 3 April 2023 5:01 PM
To: [REDACTED] <[REDACTED]@eni.com>
Cc: [REDACTED] <[REDACTED]@eni.com>; [REDACTED] <[REDACTED]@nopsema.gov.au>; [REDACTED] <[REDACTED]@nopsema.gov.au>; [REDACTED] <[REDACTED]@nopsema.gov.au>; [REDACTED] <[REDACTED]y@nopsema.gov.au>; [REDACTED] <[REDACTED]@nopsema.gov.au>
Subject: RE: [EXTERNAL] Blacktip P3 annulus pressure investigation and Blacktip WOMP

OFFICIAL

Hi [REDACTED]

Thanks for the discussion on Thursday re BT-P3 annulus pressure. We noted the following actions:

1. Eni to reconsider the MAASP/MAWOP for BT-P3 annuli
 - Based on current trends, in the immediate future, the existing MAWOP of 1000psi will be reduced to at least 800psi (as mentioned by Eni in the meeting). Please confirm.

Response; based on the discussion below, the upper threshold of the B annulus pressure can be set at 780psi.

- An annulus pressure management plan to be in place while diagnostics remain ongoing (i.e. updated MAWOP envelope, max & mins, plus controls/procedures in place to maintain within these parameters) - to be provided to NOPSEMA

Response; the final ACP Management Plan will be issued when the result of the diagnostic works on the source and extent of the flow is determined using techniques discussed in the meeting. The immediate current plan for managing the pressure in the annulus is continuous monitoring of the pressure and setting the upper threshold to 780psi. The lower threshold is zero. Based on the available data, it is not expected that the annulus pressure becomes sub-zero (vacuum).

s 47 - commercial value

- Basis of MAWOP calculations to be provided to NOPSEMA

Response: s 47 - commercial value

(calculations attached). A consideration of 780psi as discussed above seems appropriate to the best of our current knowledge.

- Eni to consider risk of fracture at shoe and risk of flow from the A1 Fossil Head in ongoing risk assessments

Response: the RA will be updated after conducting the diagnostic measures in mind. In this way, we would be able to re-evaluate the mitigation measures and have a better valuation of the original and remaining risks.

2. Analysis of gas sample sent from the field: Provide NOPSEMA an update when results are available.

Response: will be provided, when available.

3. Eni is to provide NOPSEMA details of the post-job review for the 13-5/8" cement job

Response: Eni is confident that the cementing operation was conducted as planned. We suggest putting our engineers in contact, so the matter is resolved in a dedicated meeting/dialogue between them. Our cementing SME is in cc.

4. s 47 - commercial value

Could you please advise reasonable target dates for providing updates from these actions? A response this week on the current annulus pressure management plan would be appreciated.

Response: The way it is planned at this stage is that a ready-made SID for the annulus bleed-off is available. When the annulus pressure approaches the upper threshold, the SID will be signed and attached to a PTW which will be issued in time, considering the mitigations that need to be in place for cold venting operations.

Additional queries:

- s 47 - commercial value

- s 47 - commercial value

Regards

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From: [REDACTED]@eni.com>
Sent: Sunday, 26 March 2023 10:45 AM
To: [REDACTED]@nopsema.gov.au>
Cc: [REDACTED]@eni.com>; [REDACTED] <[REDACTED]@nopsema.gov.au>; [REDACTED]@nopsema.gov.au>; [REDACTED]@nopsema.gov.au>; [REDACTED]t@nopsema.gov.au>; [REDACTED]@nopsema.gov.au>; [REDACTED]@nopsema.gov.au>; [REDACTED]@nopsema.gov.au>; [REDACTED]@eni.com>
Subject: RE: [EXTERNAL] Blacktip P3 annulus pressure investigation and Blacktip WOMP

Hi [REDACTED],

Acknowledging receipt of your email. Can we do Thursday afternoon 2pm or 3pm?

Regards

From: [REDACTED]@nopsema.gov.au>
Sent: Thursday, 23 March 2023 4:32 PM
To: [REDACTED]@eni.com>
Cc: [REDACTED]@eni.com>; [REDACTED]@nopsema.gov.au>; [REDACTED]@nopsema.gov.au>; [REDACTED]@nopsema.gov.au>; [REDACTED]@nopsema.gov.au>; [REDACTED]@nopsema.gov.au>; [REDACTED]@nopsema.gov.au>; [REDACTED]@nopsema.gov.au>; [REDACTED]@eni.com>
Subject: [EXTERNAL] Blacktip P3 annulus pressure investigation and Blacktip WOMP

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Hi [REDACTED] and [REDACTED],

Thanks for promptly providing the requested information about BT-P3 annulus pressure and the 13-5/8" cement job. I understand the well has been handed to production with plans to be brought online in a couple of weeks.

From our investigation so far, we have formed the view that PT-B3 well integrity has been subject to a significant new risk (annulus pressure associated with **s 47 - [REDACTED]** and we consider that a WOMP revision should be submitted (5 10(3)(a)). This could be an addendum submitted via the revision in part process.

Points that we would expect the WOMP revision to provide additional detail on:

- the risks associated with the annulus pressure, including the risk of loss of integrity outside the 20" casing (current and future risk) and potential impact of adjacent wells.
- the risk (likelihood, based on available data, and consequence) of the source of the gas including zones below the A1 Mt Goodwin (e.g. Fossil Head), and potential impact on 20" shoe.
- how the risks associated with HC inventory in the annulus will be managed (may also be Safety Case implications to consider).
- demonstration that the WI risks are being reduced to ALARP, including consideration of remedial options.

s 47 - commercial value

[REDACTED]

Please would you propose some time slots next week that would be suitable to discuss (Mon, Tues or Thurs).

Thanks and regards

[REDACTED]

[REDACTED] | [REDACTED]
Well Integrity

[REDACTED]
National Offshore Petroleum Safety and Environmental Management Authority

T: [REDACTED] | **E:** [REDACTED]@nopsema.gov.au | **W:** nopsema.gov.au

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NOPSEMA recognises the First Peoples of this nation and their ongoing connection to culture and country. We acknowledge First Nations Peoples as the Traditional Owners, Custodians and Lore Keepers of the world's oldest living culture and pay respects to their Elders past, present and emerging.

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Notes

As per the DDR#21

No losses observed (read time breakdown between 04:45-05:00AM)