

EPAP – Ability to Suppress CAIs 143, 144 and 171 with Gas Oil Ratios

Jurisdiction	Release/Revision Date	Location of Change in this Document	Comment
SK	October 5, 2023		Initial Release

Audience: All Saskatchewan Users

Purpose: To advise Industry that Saskatchewan Ministry of Energy and Resources (ER) have upgraded the Enhanced Production Audit Program Compliance Assessment Indicators (CAI's) to allow them to be suppressed with the submission of a valid gas oil ratio.

Background:

The Enhanced Production Audit Program's (EPAP) Compliance Assessment Indicators (CAIs) functionality has been enhanced to allow the submission of a gas oil ratio (GOR) to suppress CAIs 143, 144, and 171.

- For CAI 171 – Missing Gas Volume for a crude oil/heavy oil well - Well-Level (VME0041). Oil production at a well is greater than 15 m³, without a corresponding gas volume for a crude oil well or heavy crude oil well.
- CAI 143 – Low Gas/Oil Ratio – Heavy Oil Battery. The calculated Gas/Oil Ratio (GOR) is less than or equal to 2 m³ gas/m³ oil for a Heavy Oil battery.
- CAI 144 – Low Gas/Oil Ratio - Oil Battery. The calculated Gas/Oil Ratio (GOR) is less than or equal to 5 m³ gas/m³ oil for an Crude Oil battery.

By sending an email to the ER Service Desk (er.servicedesk@gov.sk.ca), operators can submit the gas oil ratio (GOR) for all the wells that are triggering CAI 143, 144, and 171. The GOR documentation must include GOR test records, gas meter calibration records, production months the GOR is applicable, well ID, and facility ID.

The submission of a gas oil ratio is optional, and operators can still utilize the workflow in the EPAP functionality in Petrinex to request a Regulator Acceptable Date for the CAI. However, the Regulator Acceptable Date does not suppress the CAI. After the gas oil ratio and associated documentation is reviewed and approved, the Ministry of Energy and Resources will submit the gas oil ratio in Petrinex for each well within the facility for the applicable production months. If an operator already has a submitted GOR then Petrinex will automatically determine if the CAIs

should be triggered, and ER does not require the GOR to be submitted again for those production months.

On a monthly basis, Petrinex will determine based on the submitted GOR whether the CAI should be triggered.

- For CAI 171, if based on the oil production and GOR submitted Petrinex calculates there is enough gas production to be reported (i.e. greater than $0.04 \text{ } 10^3\text{m}^3$ per month) then the CAI will still generate. Moreover, CAI 171 may only generate for some of the wells within the facility depending on each well's GOR.
- For CAI 143, if a GOR is submitted that is over 2.0 m^3 of gas per m^3 of oil (m^3/m^3) and the GOR calculated by Petrinex is less than or equal to $2.0 \text{ m}^3/\text{m}^3$ then the CAI will still trigger. The same logic is applied to CAI 144 for a GOR of $5.0 \text{ m}^3/\text{m}^3$.
- In addition, for CAI 143 and 144 if not all the active wells within a multi-well battery have a GOR submitted, then the CAI will still generate as the GOR for CAIs 143 and 144 are calculated based on the whole facility's production of oil and gas. Therefore all wells within a multi-well battery must have a GOR submitted in Petrinex.

Please be aware that if the CAIs 143, 144 and 171 have been triggered for production months historically and a GOR is submitted for those historical production months the CAIs cannot be suppressed.

More information:

ER Service Desk

Phone: 1-855-219-9373

E-mail: ER.ServiceDesk@gov.sk.ca

Or

Petrinex Business Desk.

Phone: 403-297-6111

Toll Free 1-800-992-1144

E-mail petrinexsupport@petrinex.ca