



## Managing Surface Casing Vent Flows with Casing Connections

The BC Oil and Gas Commission (Commission) is aware high pressure, low flow rate surface casing vent flows (SCVF) can be associated with slickwater hydraulic fracturing and single-barrier wellbore construction.

One operator has diagnosed LT&C (API Long Thread and Coupling) connections to be the cause of this type of SCVF. This operator has since successfully eliminated all high pressure, low flow rate SCVFs by running gas-tight premium connections into the producing zone.

In light of these findings, the Commission reminds oil and gas operators of the requirements in Section 18 of the [Drilling and Production Regulation](#):

- (1) A well permit holder must ensure that casing is designed so that it will not fail if subjected to the maximum loads and service conditions that can reasonably be anticipated during the expected service life of the well.
- (8) On detection of a casing leak or failure, a well permit holder must
  - (a) notify the commission about the leak or failure without delay
  - (b) repair the leak without unreasonable delay.

Operators are encouraged to review wellbore construction designs to ensure all regulations are met and determine if the use of gas-tight premium connections will assist in maintaining compliance.

Should you have any questions regarding this Industry Bulletin, please contact:

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