



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS MANAGEMENT

DEP USE ONLY
Application Tracking #

Proposed Alternate Method or Material for Casing, Plugging, Venting or Equipping a Well

Client 391698
Site 886296
APS 1161533
Auth 1572561
Received 06/08/2026

Well Operator EXPAND OPERATING LLC		DEP ID# 391698		Well Permit or Registration Number 37-015-24045	
Address 14 Chesapeake Lane				Well Farm Name BOUSE	
City Sayre	State PA	Zip Code 18840	Well # 105HC		Serial #
Phone 570-882-7702	Fax 570-888-9814	County BRADFORD		Municipality MONROE	

A proposed alternate method is subject to provisions in §3221 of the 2012 Oil and Gas Act, 58 Pa. C.S. §3221 Section 13 of the Coal and Gas Resource Coordination Act, 58 P.S. §513 and 25 PA Code §§78.75-78.75a (relating to Alternate Methods.) **Attach proof of notification of coal operator(s).**

Describe in reasonable detail using a written description and / or diagram:

1. the proposed alternate method or materials, and
2. the manner in which the alternative will satisfy the goals of the laws and regulations.

Requesting an Alternative Method to 78.84/78a.84 Casing standards (f) regarding the 30-minute casing pressure test for surface and intermediate casings.

1. The request is to perform a 5-minute green cement casing pressure test on the surface and intermediate casings in place of the 30-minute casing pressure test.
2. To prevent gas from potential flow zones from entering the wellbore a thixotropic cement slurry will be pumped over the surface and intermediate casings. Thixotropic cement when static will immediately begin to develop gel strength and transition quickly as illustrated in the attached diagram. Due to the rapid gel strength development, a 5-minute green cement test is the most appropriate to avoid potential micro-debonding or damage to the cement sheath. Further, 5 minutes will be more than adequate to allow the fluid in the wellbore to stabilize and any potential casing leak to present itself in the test chart.

According to API RP65 – Part 2, pressure testing of casing should be done before significant gel strength has developed in the cement. The pressure testing will ultimately be limited by the pressure ratings of plugs, floats, cement heads and other equipment. Pressure testing after the cement has set can result in micro annulus formations or damage to the cement sheath. The pressure should only ever be held for the shortest amount of time required to achieve the objectives of the test.

Optional: Approval by Coal Owner or Operator		Signature of Applicant / Well Operator	
Signature	Date	Signature 	Date 6/8/2026
Print or Type Signer's Name and Title		Print or Type Signer's Name and Title KERI FIENO, REGULATORY SPECIALIST	

If optional approval is signed by coal owner or operator, the 15-day objection period may be waived.

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Approved by (DEP Manager) 	Conditions ☒ YES, See Attached ☐ NO
Date 6/11/2026	

General Conditions for alternate method to 25 PA Code §78a.84(f) (Casing Standards)

The following represents general conditions necessary to confirm that the proposed alternate method or materials will satisfy the goals of the laws and regulations of the Commonwealth. Additional conditions may apply to address specific concerns of individual alternate method applications.

1. Cement Job Reports for the Surface and Intermediate Casing strings, including mix water temperatures and temperatures of cement returns to surface, shall be provided to the Department.
2. If any significant changes occur to the cement blend which was submitted for the compressive strength lab results attached to this Proposed Alternative Method, Operator shall submit updated lab results reflecting the actual cement blend being used.
3. If leak off is noted at initial casing pressure test, performed at cement plug bump, a second casing pressure test shall be performed after the 8 hour wait on cement, prior to drill out. Operator shall notify the Oil and Gas Inspector covering their area if this should occur.

A copy of this General Conditions page to be sent to Operator along with the processed Proposed Alternative Method Application.