



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

DEP USE ONLY
Application Tracking #

Client 213205
Site 888101
APS 1164351
Auth 1575091
Received 07/02/2026

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

Well Operator Pennsylvania General Energy		DEP ID# OGO-63025		Well Permit or Registration Number 37-081-22094-00-00	
Address 120 Market Street		Well Farm Name HL Hazlak Pad F			
City Warren	State PA	Zip Code 16365	Well # 2872		Serial # N/A
Phone (814) 723-3230	Fax (814) 723-3502	County Lycoming		Municipality Shrewsbury Township	

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.

PGE would like to propose an alternate method to 78a.84f (30 minute casing test). PGE is seeking permission to pressure test our 13-3/8" surface casing string and our 9-5/8" intermediate casing string immediately following cementing operations and bumping the plug on the HL Hazlak Pad F 2872 (Permit # 37-081-22094-00-00). By pressure testing the casing immediately following the bumping of the plug, the chances of creating a micro-annulus between the casing and cement sheath will be significantly reduced. Both casing tests will be held for 5 minutes and performed before the cement slurries begin to transition. Please see the attached cement lab data for information on both slurries. The specific details for the casing tests and cement slurries are as follows;

13-3/8" Surface Casing: The surface casing string will be set at a maximum depth of 782' MD/TVD. Planned excess is 50% and total slurry volume will be approximately 150 bbls. Displacement volume will be approximately 115 bbls. Total job time at an average of 5 bpm for 265 bbls is 53 minutes. The plug will be bumped with 500 psi over FCP and then increased to our casing integrity test pressure of 1500 psi and held for 5 minutes. In the event the plug doesn't bump, we will revert to performing a 30 minute pressure test when we return to the well and no sooner than 8 hours after bumping the plug.

9-5/8" Intermediate Casing: The intermediate casing string will be set at a minimum depth of 2500' MD/TVD. Planned excess is 30% and total slurry volume will be approximately 181 bbls. Displacement volume will be approximately 187 bbls. Total job time at an average of 5 bpm for 368 bbls is 74 minutes. The plug will be bumped with 500 psi over FCP and then increased to our casing integrity test pressure of 1500 psi and held for 5 minutes. In the event the plug doesn't bump, we will revert to performing a 30 minute pressure test when we return to the well and no sooner than 8 hours after bumping the plug.

Optional: Approval by Coal Owner or Operator		Signature of Applicant / Well Operator	
Signature	Date	Signature <i>Dustin Pottmeyer</i>	Date 7/2/2026
Print or Type Signer's Name and Title		Print or Type Signer's Name and Title Dustin Pottmeyer, Drilling Engineer	

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

DEP USE ONLY	
Approved by (DEP Manager) <i>Stephanie Wharton</i>	Conditions ☒ YES, See Attached ☐ NO Date 7/9/2026

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

1. The operator shall provide all available Open Hole Logs.
2. 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 upon request.
3. At a minimum, Cement Bond Logs shall be run on the Surface and Intermediate Casing strings on the first new well drilled on the pad. A qualified company representative shall evaluate the Cement Bond Log Reports prior to running and cementing subsequent strings of casing. Copies of the reports shall be provided to the Department upon request.
4. Following the cement jobs, Post Treatment Reports for the Surface and Intermediate Casing strings shall be submitted to the Department upon request.