



**RECIEVED**  
10/4/2023

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

ALT SITE ID: WLPAD - APHRODITE WELL PAD

DEP USE ONLY
Application Tracking # 1457054

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

Well Operator <b>Olympus Energy, LLC</b>		DEP ID# <b>40059</b>	Well Permit or Registration Number <b>129-29236</b>	
Address <b>501 Technology Drive, Suite 1200</b>		CLIENT ID: 331797		Well Farm Name <b>Aphrodite</b>
City <b>Canonsburg</b>	State <b>PA</b>	Zip Code <b>15317</b>	Well # <b>4M</b>	Serial #
Phone <b>724-754-0110</b>	Fax <b>AMiller@olympusenergy.com</b>	County <b>Westmoreland</b>	Municipality <b>Penn Twp</b>	

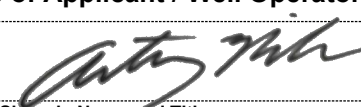
A proposed alternate method is subject to provisions in §3221 of the 2012 Oil and Gas Act, 58 Pa. C.S. §3221 Section 13 of the Coal and Gas Resource Coordination Act, 58 P.S. §513 and 25 PA Code §§78.75-78.75a (relating to Alternate Methods.) **Attach proof of notification of coal operator(s).**

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

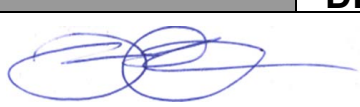
1. the proposed alternate method or materials, and
2. the manner in which the alternative will satisfy the goals of the laws and regulations.

Olympus Energy, LLC requests to avoid 25 PA Code 78a.85 (c) concerning the mandatory 8 hours waiting on cement time to continue operations. Olympus is making this request by proposing an alternate method to 78a.85(c) (3), in regards to slacking off the casing into the cement sheath. Olympus will secure the casing and not disturb the cement for each string under this alternative method (Surface, Coal/Mine, and Intermediate) by supporting the casing weight with the use of a casing hanger/landing ring wellhead system, which results in the cement no longer needing to devote early strength development to support the weight of the casing while curing. Olympus will pump the cement by the displacement method and utilize dual floats (1 in the shoe and 1 in the landing collar) to ensure the cement does not U-tube. In the event of loss returns during a mine cement job, which cement is not circulated to surface, Olympus will be able to utilize a grout string through the casing hanger system and perform a grout cement job bringing cement to the surface. With floats holding, the casing weight suspended on the dedicated hanger systems, and cement brought to surface, Olympus can therefore conduct operations safely and efficiently on surface during the 8 hour wait on cement time without compromising the integrity of the cement job. These operations would include handling/installing landing joints, risers, wellheads, & BOP's; function/pressure testing BOP's; installing packoffs; and picking up the next hole section's bottom hole assembly (BHA). Olympus will still be abiding by all details of regulation 78a.85 (b) in regards to cement standards and will not trip the new BHA into the well until at least 350 psi compressive strength is obtained at the zone of critical cement. Attached are the blend tests for all cement used in conjunction with this alternative method (surface/mine/coal strings will utilize the same cement slurry) in which the test temperature has been determined from offset log data and projected surface temperature. Any questions please contact:

Anthony Miller  
Drilling & Completions Manager  
Olympus Energy, LLC  
C: 740-296-9585

<b>Optional: Approval by Coal Owner or Operator</b>		<b>Signature of Applicant / Well Operator</b>	
Signature	Date	Signature 	Date <b>10/4/2023</b>
Print or Type Signer's Name and Title		Print or Type Signer's Name and Title <b>Anthony Miller-D&amp;C Manager</b>	

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

<b>DEP USE ONLY</b>	
Approved by (DEP Manager) 	Conditions <input type="checkbox"/> YES, See Attached <input checked="" type="checkbox"/> NO Date <b>10/17/2023</b>