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

DEP USE ONLY
Application Tracking # 1556127

ALT SITE ID: WLPAD - SCHILLER GERALD UNIT

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

Well Operator Range Resources Appalachia, LLC		DEP ID# 141142	Well Permit or Registration Number 37-003-22721	
Address 3000 Town Center Blvd.		Well Farm Name SCHILLER GERALD UNIT		
City Canonsburg	State PA	Zip Code 15317	Well # 7H	Serial #
Phone 724-743-6700	Fax	County ALLEGHENY		Municipality FRAZER

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.**

The SCHILLER GERALD UNIT pad is in a known area of mining. The top of the mined-out Upper Freeport coal was estimated to be around 312'GL (no other workable coal seams) with a 5-10' estimated thickness and was anticipated to contain water. Due to the open mine void and water flows, we experienced hole instability that hindered the ability to set a mine casing string 30' below the base of the mine. Communication was made with the OGIS and in response to the hole instability, we received approval to set the mine casing less than 30' below the base of the mine. We proceeded with a mine balance cement job and waited on cement for 12 hours. Following the wait-on-cement time, we drilled out cement and performed a flow check which was successful. We then proceeded with a CBL to ensure effective zonal isolation of the mine.

§78a.83. Surface and coal protective casing and cementing procedures.

(g) The operator shall set and cement a coal protective string of casing through workable coal seams. The base of the coal protective casing shall be at least 30 feet below the lowest workable coal seam. The operator shall install at least two centralizers. One centralizer shall be within 50 feet of the casing seat and the second centralizer shall be within 100 feet of the surface.

Optional: Approval by Coal Owner or Operator		Signature of Applicant / Well Operator	
Signature	Date	Signature	Date
		<i>Callie M. Fry</i>	1/21/2026
Print or Type Signer's Name and Title		Print or Type Signer's Name and Title	
		Callie M. Fry	

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) 	Conditions <input type="checkbox"/> YES, See Attached <input checked="" type="checkbox"/> NO	Date 3/30/2026