

# COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS MANAGEMENT ALT SITE ID: WLPAD - CONNER SAMUEL 17458 WELL PAD

Application Tracking #

RECEIVED 1/14/2025

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

Well Operator	D, CC	EP ID#	Well Permit or Registration Numbe			
Range Resources Appalachia, LLC		41142	37-125-29168			
Address			Well Farm Name			
3000 Town Center Blvd.			CONNER SAMUEL 17458	3		
City	State	Zip Code	Well #	Serial #		
Canonsburg	PA	15317	2H			
Phone 7.04 7.42 6700	Fax		County	Municipality		
1. the proposed alter	Coordination Act, fication of coal ope detail using a warnate method or rech the alternative on a known mined cop is at 274' GL. No job is anticipated by within a 2,500' reche top of the miner ough room from the coal protective of the surface casing mined-out coal.	58 P.S. §5 perator(s). ritten descripted atterials, and atterials will satisfy out area. The loother work to be required addius of the ne void. Currothe surface of asing string a seat and to With this alterial.	iption and / or diagram: ind ind iption and / or diagram: ind iption and /	regulations. nan 28" thick and is anticipated the Pittsburgh Coal are ctive casing string. The deepest orrelated to a depth of 217' GL a water string at least 50' p of the mine for proper 78a.83(h) as shown below). The best cement coverage and string to set a surface casing		
§78a.83. Surface and coal protection (c.) The operator shall drill to approximate the consolidated rock, whichever is exactly depth.  (h) Unless an alternative method	proximately 50 fee deeper, and immed	t below the diately set a	deepest fresh groundwater or nd permanently cement a stri	ng of surface casing to that		
alternative methods), when a we well is drilled through a coal pilla the bottom of the coal seam. The operator shall equip the casing was practical.	Il is drilled through r, the operator sha e operator shall se	a coal sean Ill drill to a de t and cemen	n at a location where the coa epth of at least 30 feet but no t a coal protection string of c	I has been removed or when a more than 50 feet deeper than asing to this depth. The		
Optional: Approval by Coal O	wner or Operator	;	Signature of Applicant / We	II Operator		
Signature	D		Signature	Date		
		1.	Randi Robertson	1/8/2025		
Print or Type Signer's Name and Title			Print or Type Signer's Name and Title			
			Randi Robertson			

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  YES NO	, See Attached 1/28/25



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see page 1

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Address		Well Farm Name	<del></del>			
3000 Town Center Blvd.		_	CONNER SAMUEL 174	<del>5</del> 8		
City	State	e Zip Code	Well #	Serial #		
Canonsburg	PA	15317	2H			
Phone	Fax		County	Municipality		
724-743-6700			Washington	Cecil		
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.  25 PA Code Chapter 78a.84(f) requires that Casing which is attached to a blow-out preventer with a pressure rating of greater than 3,000 psi shall be pressure tested after cementing. A passing pressure test must be holding the anticipated maximum pressure to which the casing will be exposed for 30 minutes with not more than a 10% decrease. Certification of the pressure test shall be confirmed by entry and signature of the person performing the test on the driller's log. Range is requesting to perform a Casing Integrity Test (CIT) immediately following cementing operations and verifying the plug bumped and reducing the test from 30 minutes to 10 minutes. This will be done per API Standard 65 - Part 2, Second Edition - 12/2010 Section 5.10.2 "Regulations may require casing to be pressure tested.  Preferably, pressure testing casing should be done before significant gel strength has developed. However, such pressure testing will be limited by the pressure ratings of plugs, floats, cementing heads and other equipment. Pressure testing can be done after the cement has set but this can result in micro-annulus formation or damage to the cement sheath. The pressure should be held on the casing for the shortest length of time required to accomplish the test." Reducing the test duration to 10 minutes ensures the cement is still in its liquid phase when the pressure test is completed. Performing the test for the full 30 minutes could allow the cement to enter the critical gel phase where it transitions from a liquid t						
Optional: Approval by Coal Owner or Operator Signature			gnature of Applicant / Well Operator			
Signature	D	Date S	ignature	Date		
			Randi Robertson	1/8/2025		
Print or Type Signer's Name and Title			rint or Type Signer's Name and Tit	1/0/2023		
		-	Randi Robertson			
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YES, See Attached