



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**

Received: 4/24/24

Auth ID: 1482286

Well Operator Leatherwood LLC		DEP ID# 136197		Well Permit or Registration Number 37-059-24587	
Address 275 Technology Drive				Well Farm Name McCullough	
City Canonsburg	State PA	Zip Code 15317	Well # GH 87	Serial #	
Phone 724-663-7165	Fax	County Greene	Municipality Washington		

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 well pump and tubing will be removed from the well. A down hole packer will be placed in the production hole. A polymer gel will be pumped into the well laterals so that the well can be safely mined through. A minimum of 10,000 gallons or 100% of the lateral volume will be pumped to fill the laterals. Once the gel has set, the packer will be removed. The production hole will be cemented with Class A expanding cement from total depth or attainable to the surface once the laterals have been safely mined through. The access hole will be filled with Class A expanding cement to the surface.

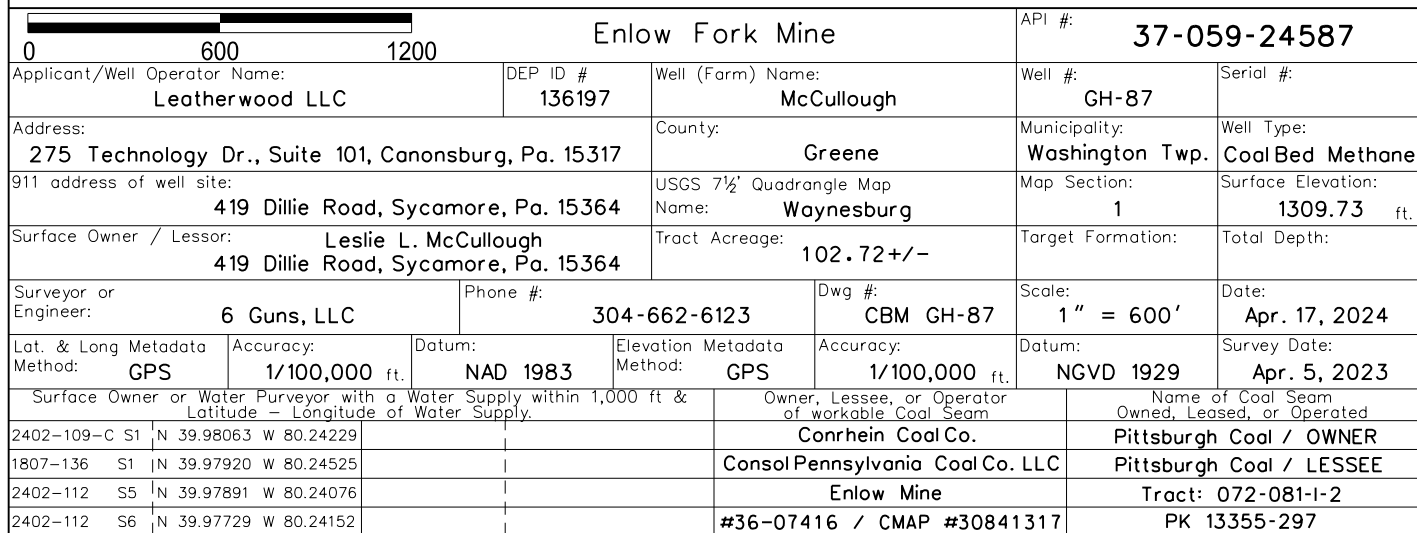
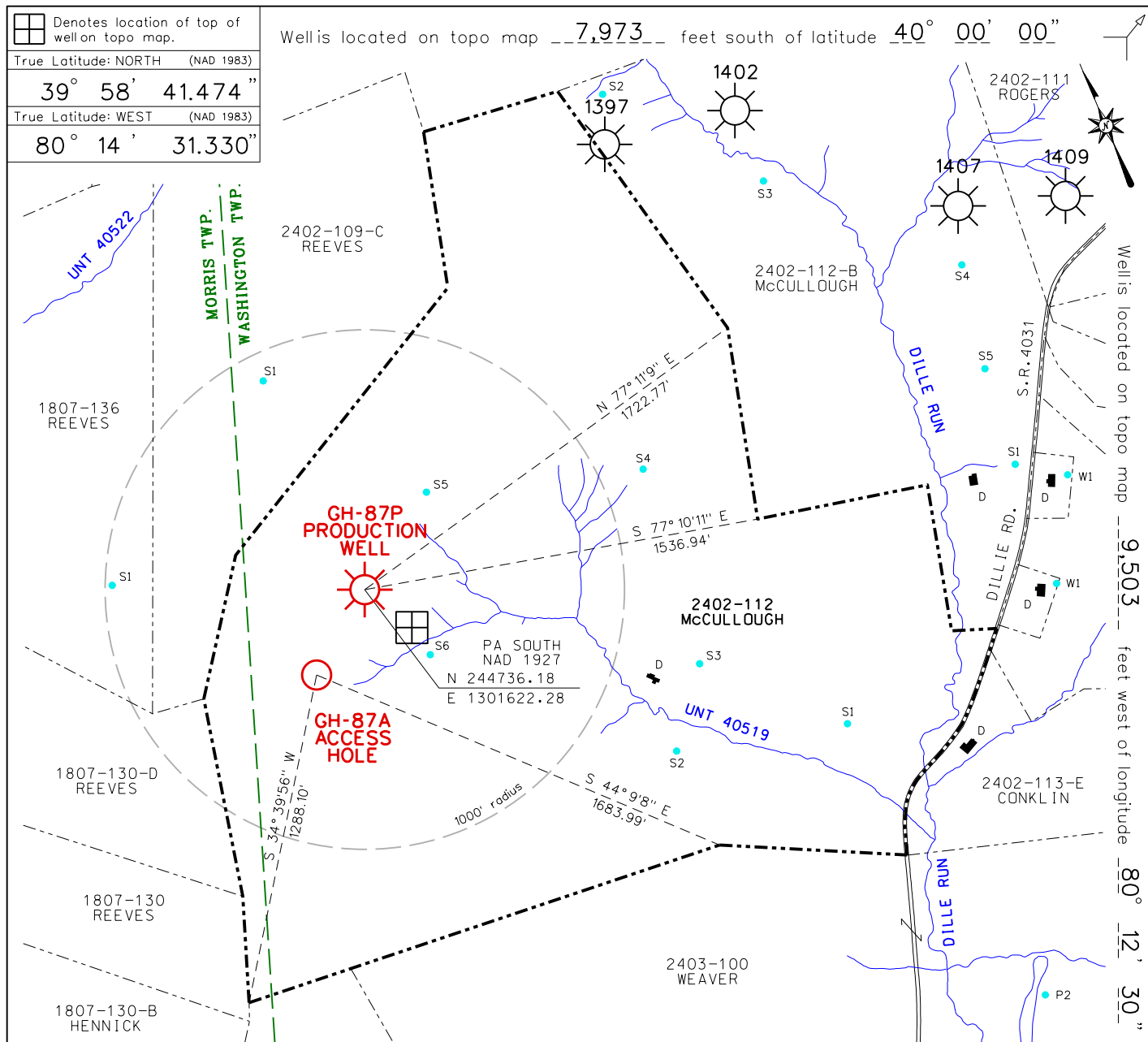
If it becomes necessary to deviate from this "proposed alternate method", approval must be received from the District Oil And Gas Inspector and coal operator affected.

Optional: Approval by Coal Owner or Operator		Signature of Applicant / Well Operator	
Signature 	Date 4/24/2024	Signature 	Date 4/24/2024
Print or Type Signer's Name and Title Craig Jones-Senior Project Engineer-CPCC		Print or Type Signer's Name and Title Casey Saunders-Manager of Coal/Gas-CPCC	

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, See Attached ☒ NO	Date 5/9/2024

DEP	Auth ID #:	G:
USE	Permit #:	
ONLY	Project #:	C:





LOG

**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM**

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

Well Operator CNX Gas Company, LLC		DEP ID#	Well API # (Permit / Reg) 37-059-24587-00	Project Number	Acres
Address 2481 John Nash BLVD		Well Farm Name McCullough		Well # GH-87	Serial #
City Bluefield	State WV	Zip Code 24701	County Greene	Municipality Morris	
Phone (304) 323-6515	Fax	USGS 7.5 min. quadrangle map Waynesburg			

Check all that apply: ☒ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD Also complete Log of Formations on back (page 2)

Well Type	☒ Gas	☐ Oil	☐ Combination Oil & Gas	☐ Injection	☐ Storage	☐ Disposal	
Drilling Method	☐ Rotary - Air	☒ Rotary - Mud	☐ Cable Tool				
Date Drilling Started 3/31/2008	Date Drilling Completed 4/20/2008	Surface Elevation 1311 ft.	Total Depth - Driller 1200 ft.	Total Depth - Logger 1197.88 ft.			
Casing and Tubing		Cement returned on surface casing? ☒ Yes ☐ No Cement returned on coal protective casing? ☒ Yes ☐ No ☐ N/A					
Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	Material Behind Pipe Type and Amount	Packer / Hardware / Centralizers Type Size Depth	Date Run
"	13 3/8"	37#	8RD	45'	Sanded In	"	3/31/08
11 1/4"	9 5/8"	26#	8RD	307.2'	Class A Cement D901, Basket @60'	9 5/8" 60'	4/1/08
8 7/8"	7"	17#	8RD	1167.2	Class A Cement D901	7" 60', 150'	4/2/08
"	"					"	

COMPLETION REPORT

Perforation Record			Stimulation Record					
Date	Interval Perforated From To		Date	Interval Treated	Fluid Type Amount	Propping Agent Type Amount	Average Injection	

Gas Well B (API No. 37-059-24587-00) is a horizontal well for CNX Gas Company, LLC's Horizontal Well Project. Refer to the attached information for additional information.

Natural Open Flow	Natural Rock Pressure	Hours	Days
After Treatment Open Flow	After Treatment Rock Pressure	Hours	Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name Nevis Energy Services Inc.	Name Crown Drilling LLC	Name
Address 327A Welch Court	Address P.O Box 4245	Address
City - State - Zip Traverse City, MI 49686	City - State - Zip Washington Pa 15301	City - State - Zip
Phone 231-995-0100	Phone 724-228-7565	Phone (

MAY 01 2008

SOUTHWEST REGION
OIL & GAS

LOG OF FORMATIONSWell API#: **37-059-24587-00**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Fill	0	15				
Shale	15	35				
Sand	35	40				
Shale	40	81				
Sand	81	115				
Shale	115	182				
Shale	182	206				
Sand	206	230				
Shale	230	293				
Sand	293	323				
Shale	323	430				
Red Rock	430	433				
Shale	433	463				
Sandy Shale	463	550				
Shale	550	600				
Sand	600	660				
Sandy Shale	660	815				
Shale	815	917				
Coal	917	923				
Shale	923	1025				
Sand	1025	1118				
Shale	1118	1200 TD				
MAY 01 2008 DEP. SOUTHWEST REGION DRILLING & GAS						

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature		DEP USE ONLY	
Geoff Fanning <i>Geoff Fanning</i>		Reviewed by:	Date:
Title: Drilling Manager	Date: 4/28/08	Comments:	

CONSOL Penna. Coal Company LLC
1000 CONSOL Energy Drive
Canonsburg, PA 15317

Phone: 724-485-4000

Eric V. Schubel
Vice President of Operations

May 16, 2018

Matthew Ruckle
Project Engineer
CONSOL Pennsylvania Coal Company LLC
1000 CONSOL Energy Drive
Canonsburg, PA 15317

Re: **Pennsylvania Mining Complex
Bailey Mine, Enlow Fork Mine, Harvey
Mine Oil & Gas Well Plugging
Order to Clean Out And Plug Oil & Gas Wells
Washington and Greene Counties, Pennsylvania**

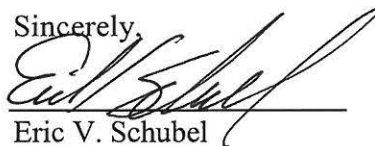
Dear Mr. Ruckle:

This letter is being executed in my official capacity as the Vice President of CONSOL Pennsylvania Coal Company LLC ("CPCC"), and CNX Thermal Holdings LLC ("CTH"), and Conrhein Coal Company ("CCC"), (CPCC, CTH, and CCC are hereinafter collectively referred to as, "CONSOL"). In accordance with the requirements set forth in Section 13(a) of the Pennsylvania Coal and Gas Resource Act of 1984, 58 Pa. C.S.A. Section 513(c), please let this letter serve as evidence that adequate notice has been provided to CONSOL as the coal owner/lessee/operator for the plugging of any and all oil & gas wells that need to be plugged for mine through purposes at Bailey, Enlow Fork and Harvey Mines.

Please be advised that CONSOL has no objection to the plugging of the oil & gas wells through the coal seam(s) and I do hereby waive, on behalf of CONSOL, any right CONSOL may have as to prior notification as the coal owner/lessee/operator.

CONSOL is not, however, waiving any other rights that it may have.

Sincerely,



Eric V. Schubel

Vice President Operations