



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Tuesday, September 1, 2026
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit Modification Approval for GUM 1217 S-7H
47-041-05785-00-00

Increased LOD for slip correction

ANTERO RESOURCES CORPORATION

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

H. Jason Harmon
Chief

Operator's Well Number: GUM 1217 S-7H
Farm Name: GARNETT A. GUM
U.S. WELL NUMBER: 47-041-05785-00-00
Horizontal 6A New Drill
Date Modification Issued:

Promoting a healthy environment.

09/04/2026

WEST VIRGINIA
COUNTY MAP



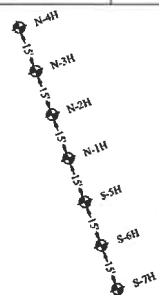
1217 Well Site
Site Design, Construction Plan, &
Erosion and Sediment Control Plans
Antero Resources Corporation
Lewis County
Freemans Creek District
Latitude 39.09802744°
Longitude -80.57966740°
Leading Creek Watershed

Pertinent Site Information
1217 Well Site
Emergency Number: 304-269-8243
Freemans Creek District, Lewis County, WV
Watershed: Leading Creek Watershed
Site 911 Address:

Antero Resources Emergency Contact Number: 1-800-878-1373

Exhibit A: As-Built

Site Entrance	Staging Area	Center of West Well Pad	Center of AST
WV-NAD 83 N: 764638.60 WV-NAD 83 E: 2090425.60 WV-NAD 27 N: 764588.74 WV-NAD 27 E: 2121877.09 Lat. NAD 83: 39.0980642 Lon. NAD 83: -80.57041904 Lat. NAD 27: 39.09807521 Lon. NAD 27: -80.57060137 UTM 17 NAD 83 N: 4327846.91 UTM 17 NAD 83 E: 537146.37	WV-NAD 83 N: 764467.66 WV-NAD 83 E: 2089772.52 WV-NAD 27 N: 764417.82 WV-NAD 27 E: 2121224.00 Lat. NAD 83: 39.0980543 Lon. NAD 83: -80.5727279 Lat. NAD 27: 39.09804425 Lon. NAD 27: -80.57280324 UTM 17 NAD 83 N: 432794.81 UTM 17 NAD 83 E: 536947.40 Pad Elev: 1145.09	WV-NAD 83 N: 764466.36 WV-NAD 83 E: 2087726.50 WV-NAD 27 N: 764596.58 WV-NAD 27 E: 2118778.01 Lat. NAD 83: 39.0980268 Lon. NAD 83: -80.58133784 Lat. NAD 27: 39.09809566 Lon. NAD 27: -80.58151996 UTM 17 NAD 83 N: 4327849.19 UTM 17 NAD 83 E: 536202.17 Pad Elev: 1162.30	WV-NAD 83 N: 764492.17 WV-NAD 83 E: 2087201.14 WV-NAD 27 N: 764842.39 WV-NAD 27 E: 2118632.65 Lat. NAD 83: 39.0997035 Lon. NAD 83: -80.58177561 Lat. NAD 27: 39.09961206 Lon. NAD 27: -80.58195770 UTM 17 NAD 83 N: 4327924.07 UTM 17 NAD 83 E: 536163.97 Pad Elev: 1162.30



Proposed Well Name	WV North NAD 27	NAD 27 Lat & Long (DMS)	NAD 83 Lat & Long (DMS)	NAD 83 Lat & Long (DMS)
Gum 1217 N-14	N: 764,638.65 E: 2,118,762.68	LAT 39-05-56.5669 LONG -80-34-53.6639	N: 4,327,861.46 E: 536,297.50	LAT 39-05-56.894000 LONG -80-34-53.028300
Gum 1217 N-24	N: 764,638.87 E: 2,118,752.35	LAT 39-05-56.7058 LONG -80-34-53.7809	N: 4,327,865.73 E: 536,195.87	LAT 39-05-57.033467 LONG -80-34-53.075241
Gum 1217 N-34	N: 764,664.89 E: 2,118,752.03	LAT 39-05-56.8946 LONG -80-34-53.7977	N: 4,327,870.00 E: 536,194.25	LAT 39-05-57.123294 LONG -80-34-53.142056
Gum 1217 N-44	N: 764,678.90 E: 2,118,746.67	LAT 39-05-56.9833 LONG -80-34-53.8646	N: 4,327,874.27 E: 536,192.62	LAT 39-05-57.313003 LONG -80-34-53.208998
Gum 1217 N-54	N: 764,682.83 E: 2,118,768.02	LAT 39-05-56.4282 LONG -80-34-53.5971	N: 4,327,857.18 E: 536,199.13	LAT 39-05-56.755832 LONG -80-34-52.941485
Gum 1217 N-64	N: 764,608.83 E: 2,118,773.36	LAT 39-05-56.2894 LONG -80-34-53.5302	N: 4,327,852.91 E: 536,200.75	LAT 39-05-56.617064 LONG -80-34-52.874544
Gum 1217 N-74	N: 764,594.79 E: 2,118,778.69	LAT 39-05-56.1508 LONG -80-34-53.4632	N: 4,327,848.64 E: 536,202.38	LAT 39-05-56.478256 LONG -80-34-52.807652
Well Pad Elevation			1162.3'	

APPROVED
WVDEP OOG
MODIFICATION
9/1/2026

Project Contacts
Operator
Antero Resources Corporation
535 White Oak Blvd
Bridgeport, WV 26330
Phone: (304) 842-4100
Fax: (304) 842-4102
Survey and Engineer
Kenneth Kelly
304-338-6985 Off.
Zachary Summerfield
304-338-6987 Off.
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Eli Wagner - Environmental Engineer
Office: (304) 842-4068 Cell: (304) 476-9770
Geotechnical
Jon McEvoy - Operations Superintendent
Office: (303) 357-6799 Cell: (303) 808-2423
CEC
Scott A. Hatfield
304-933-3119 Off.
Construction
Aaron Kuntzler - Construction Supervisor
Cell: (405) 227-4344
Field Engineer
Robert B. Wicks - Field Engineer
Office: (304) 842-4100 Cell: (304) 627-7405
Surveying Coordinator
Charles E. Compton, III - Surveying Coordinator
Cell: (304) 719-6449

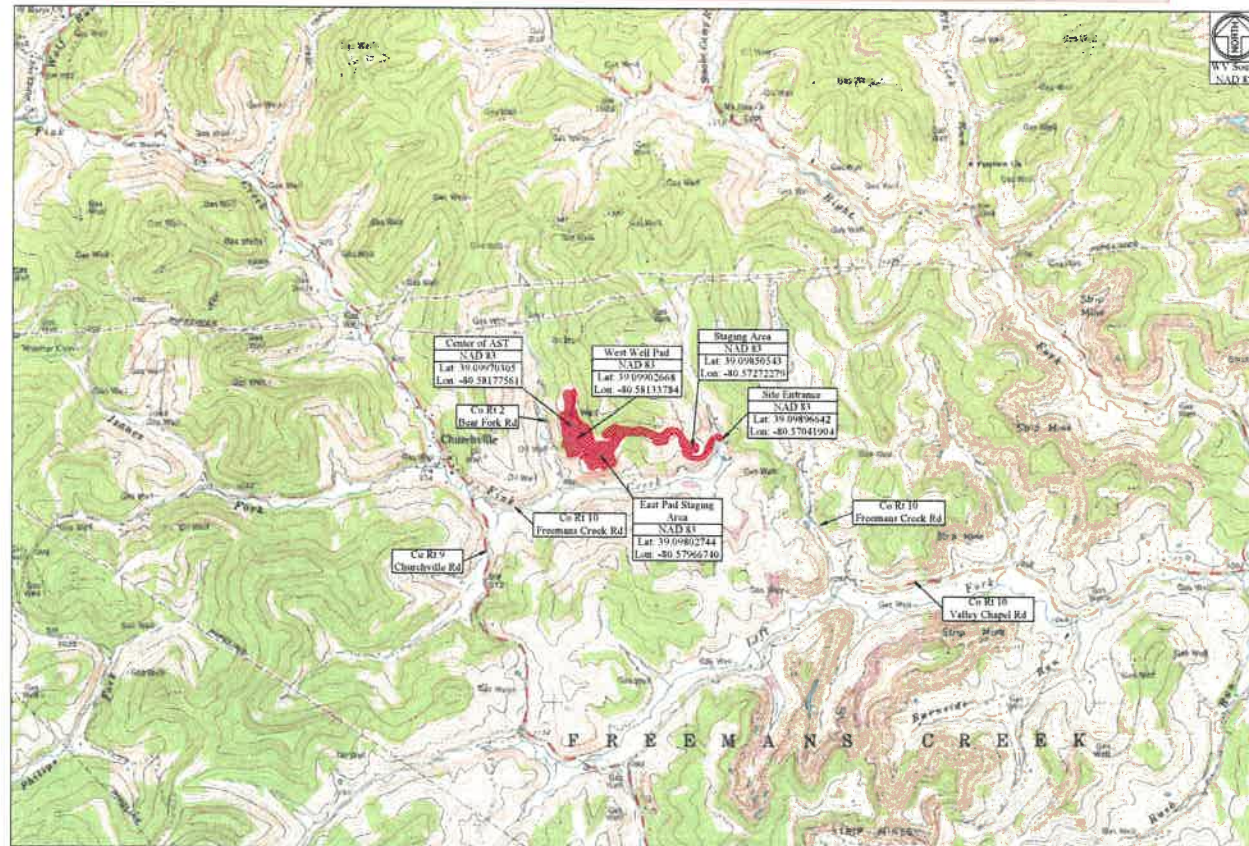
Environmental:
Wetland Delineations as provided by Palustris Environmental dated June 18, 2024
Topographic Information:
The topographic information shown herein is based on aerial photography by Blue Mountain Aerial Mapping, Barter, WV

MISS UTILITY OF
WEST VIRGINIA
1-800-245-4848
West Virginia State Law
Section XIV, Chapter 24-C requires
that you call two business days
before
you dig in the state of West Virginia.
IT'S THE LAW
Know what's Below.
Call before you dig.

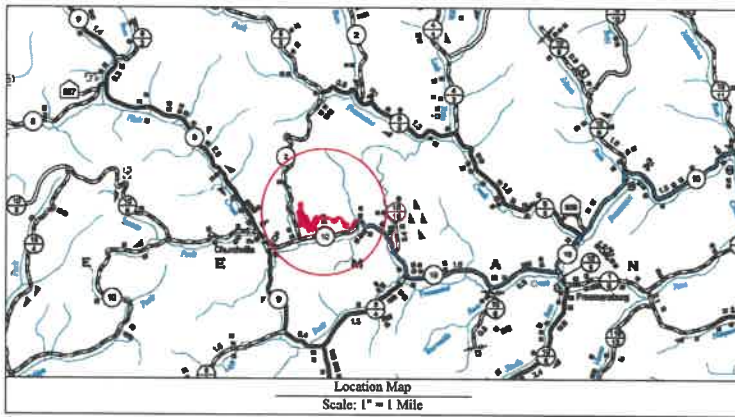
HG Energy LLC will obtain an Encroachment Permit (Form MM-109) from the WV Department of Transportation, Division of Highways, prior to the commencement of any construction activities
The WV Mines Website was consulted. Previous mining activities are not within the AOI.
WVDEP Website files show that there are active and/or abandoned gas wells within the AOI

Approach Routes:
From I-79 North near Jane Lew, WV. Take Exit 105 towards Jane Lew. Turn Left onto Co Rt 7, Hackers Creek Rd. Follow Co Rt 7 for 0.9 mi. Turn Left onto US Rt 19 South. Follow US Rt 19 South for 4.9 mi. Turn Right onto Co Rt 12, Jacksons Mill Rd. Follow Co Rt 12 for 3.0 mi. Turn Left onto Co Rt 1, Old Mill Rd. Follow Co Rt 1 for 0.1 mi. Turn Right onto Co Rt 10, Valley Chapel Rd. Follow Co Rt 10 for 2.7 mi. Turn Right onto Co Rt 10, Freemans Creek Rd. Follow Co Rt 10 for 2.7 mi. The site entrance will be on the Right (North) side of the road.

Floodplain Conditions	
Do site construction activities take place in a floodplain?	NO
Permit needed from county floodplain coordinator?	NO
Flood Hazard Zone	N/A
Floodplain shown on drawing?	N/A
FIRM Map Number for site	54041C 0125E
Activities of construction in floodplain	N/A



USGS 7.5' Quadrangle: Camden
Watershed: Leading Creek



Design Certification
The drawings, construction notes and reference diagrams attached hereto have been prepared in accordance with the West Virginia Code of State Rules, Division of Environmental Protection, Office of Oil and Gas 15-2-30.01
All Plans, Sheets, and/or Reference Diagrams included in this design constitute a complete set of plans. A complete set of plans is necessary to construct the site in accordance with the design.
Zachary C. Summerfield
RPE 22214
Kelly Sharrett PLLC
COA, CO-0232409
Date: 09/04/2026

1217 WELL SITE LIMITS OF DISTURBANCE AREA (AC)			
Total Site	Permitted	Modified	Total
Well Pad Access Road (3,945.58')	5.68	-	5.68
Existing Access Road Tie (479.54')	0.11	-	0.11
Staging Area #1	0.63	-	0.63
Staging Area #2	1.98	-	1.98
Well Pad	9.44	-	9.44
Excess/Topsoil Material Stockpiles	4.20	-	4.20
Additional Clearing Area	13.19	-	13.19
Total Affected Area	35.23	0.49	35.72
Total Wooded Area	14.94	-	14.94

Impacts to Lane & Lauren Hurl TM 40-45.1			
Total Site	Permitted	Modified	Total
Well Pad Access Road (2,050.86')	1.97	-	1.97
Staging Area #1	0.63	-	0.63
Excess/Topsoil Material Stockpiles	0.60	-	0.60
Additional Clearing Area	3.82	-	3.82
Total Affected Area	7.02	0.49	7.51
Total Wooded Area	3.82	-	3.82

Impacts to Gamett Gum Trust TM 40-43			
Total Site	Permitted	Modified	Total
Well Pad Access Road (1,894.77')	3.71	-	3.71
Existing Access Road Tie (479.54')	0.11	-	0.11
Staging Area #2	1.98	-	1.98
Well Pad	9.44	-	9.44
Excess/Topsoil Material Stockpiles	3.60	-	3.60
Additional Clearing Area	9.37	-	9.37
Total Affected Area	28.21	0.41	28.62
Total Wooded Area	0.41	-	0.41

Perennial Stream Impact (Linear Feet)				
Stream and Impact Cause	Culvert (LF)	Inlet/Outlet Structures Fill (LF)	Slope Fill (LF)	Total Impact (LF)
Watercourse J8 (Access Road)	67.25	7.65	-	74.90
Total Stream Impacts: 74.90				

Intermittent Stream Impact (Linear Feet)				
Stream and Impact Cause	Culvert (LF)	Inlet/Outlet Structures Fill (LF)	Slope Fill (LF)	Total Impact (LF)
Watercourse K1 (Access Road)	-	-	19.81	19.81
Total Stream Impacts: 19.81				

Ephemeral Stream Impact (Linear Feet)				
Stream and Impact Cause	Culvert (LF)	Inlet/Outlet Structures Fill (LF)	Slope Fill (LF)	Total Impact (LF)
Watercourse C1 (Access Road)	-	-	21.92	21.92
Total Stream Impacts: 21.92				

Wetland Impact (Square Feet)			
Wetland (Impact Cause)	Fill (SF)	Cost, Ditch, to LOD (SF)	Total Impact (SF)
Wetland Q2 (Access Road)	4.0	214.5	218.5
Total Impacts: 218.5			
Total Impacts (Acres): 0.005			

8-4-26

Sheet	Description
1	Cover Sheet
N1-N4	Site Notes
2	Existing Site Conditions
3	Site Soil Map
4	Overall Plan View
5-8	Plan View
9-10	Cross Sections - East Pad Staging Area
11-14	Cross Sections - West Well Pad
15-17	Cross Sections - Access Road
18	Cross Sections - Stockpiles
G1-G3	Geotechnical Exhibit
S1	Site Reclamation
M1-M3	Production Exhibit
D1-D2	Erosion and Sediment Control Details
R1	Access Road Details
P1	Pad Details



THIS DOCUMENT
PREPARED FOR
ANTERO RESOURCES
CORPORATION



1217 Well Site
Freemans Creek District
Lewis County, WV

Date: 06/01/2026
Scale: As Shown
Designed By: ZS
File No.
Sheet 1 of 18

