



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

Friday, March 21, 2025

WELL WORK PLUGGING PERMIT
Horizontal 6A Plugging

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit approval for CALKINS UNIT 1H
47-033-05669-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

A handwritten signature in blue ink, appearing to read "James A. Martin", is written over a blue circular stamp.

Operator's Well Number: CALKINS UNIT 1H
Farm Name: ANTERO RESOURCES APPA+
U.S. WELL NUMBER: 47-033-05669-00-00
Horizontal 6A Plugging
Date Issued: 3/21/2025

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing.

1) Date March 3rd, 20 25
2) Operator's
Well No. Calkins Unit 1H
3) API Well No. 47-033 - 05809

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS**

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ____/ Gas X/ Liquid injection ____/ Waste disposal ____/
(If "Gas, Production ____ or Underground storage ____) Deep ____/ ShallowX

5) Location: Elevation 1358' Watershed Middle West Fork Creek
District Union County Harrison Quadrangle Big Isaac

6) Well Operator Antero Resources Corporation 7) Designated Agent Conrad Baston
Address 1615 Wynkoop Street Address 535 White Oaks Blvd
Denver, CO 80202 Bridgeport, WV 26330

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Kenny Willett Name N/A - Antero will plug well
Address 2393 Tallmansville Rd Address _____
Buckhannon, WV 26201

10) Work Order: The work order for the manner of plugging this well is as follows:

***Please See Attached Work Order**

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector Kenny Willett Date 3/13/25

03/28/2025

Calkins Unit 1H
Harrison County, WV
API #47-033-05669



Antero Resources
1615 Wynkoop St.
Denver, CO 80202
Office: 303.357.7310
Fax: 303.357.7315

Objective: Plug and Abandon Conductor

Well Design:

- 20" OD Conductor, 94#/ft, ID 19.124" @ 40' – Cemented to Surface

Oil and Gas Zones:

1. N/A

Procedure:

1. Notify WV DEP 24 hours prior to commencing work.
2. Hold JSA Pre Job Meeting.
3. MIRU cement services. Mix and pump Class A cement plug to surface.
 - a. 40' conductor- approximately 70 sacks @ yield of 1.15 ft³/sk
4. Install Monument Marker with API #47-033-05669

03/28/2025

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47 - 033 - 05669 County Harrison District Union
Quad Big Isaac Pad Name Quinn Field/Pool Name -----
Farm name Antero Resources Corporation Well Number Calkins Unit 1H
Operator (as registered with the OOG) Antero Resources Corporation
Address 1615 Wynkoop Street City Denver State CO Zip 80202

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4338792.28m Easting 542608.03m
Landing Point of Curve Northing m Easting m
Bottom Hole Northing m Easting m

Elevation (ft) 1358' GL Type of Well ☒ New ☐ Existing Type of Report ☐ Interim ☒ Final
Permit Type ☐ Deviated ☐ Horizontal ☒ Horizontal 6A ☐ Vertical Depth Type ☐ Deep ☒ Shallow
Type of Operation ☐ Convert ☐ Deepen ☒ Drill ☐ Plug Back ☐ Redrilling ☐ Rework ☒ Stimulate
Well Type ☐ Brine Disposal ☐ CBM ☒ Gas ☒ Oil ☐ Secondary Recovery ☐ Solution Mining ☐ Storage ☐ Other -----
Type of Completion ☒ Single ☐ Multiple Fluids Produced ☐ Brine ☒ Gas ☐ NGL ☒ Oil ☐ Other -----
Drilled with ☐ Cable ☒ Rotary

Drilling Media Surface hole ☒ Air ☐ Mud ☐ Fresh Water Intermediate hole ☒ Air ☐ Mud ☐ Fresh Water ☐ Brine
Production hole ☐ Air ☒ Mud ☐ Fresh Water ☐ Brine
Mud Type(s) and Additive(s)
Air - Foam & 4% KCL
Mud - Polymer

Date permit issued 10/17/2012 Date drilling commenced 5/29/2013 Date drilling ceased N/A
Date completion activities began N/A Date completion activities ceased N/A
Verbal plugging (Y/N) N/A Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft ~~140'~~ Open mine(s) (Y/N) depths No
Salt water depth(s) ft ~~1936'~~ Void(s) encountered (Y/N) depths No
Coal depth(s) ft ~~178', 458'~~ Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by:

03/28/2025

WR-35
Rev. 8/23/13

Page 2 of 4

API 47- 033 - 05669

Farm name Antero Resources Corporation Well number Calkins Unit 1H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	24"	20"	40'	New	94#, H-40	N/A	Y
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set		N/A					

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Class A	120 sx	15.6	1.18	141.6	0'	8 Hrs.
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) 40' (Deepest Point Drilled)

Loggers TD (ft) N/A

Deepest formation penetrated N/A

Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) _____

Check all wireline logs run

☐ caliper ☐ density ☐ deviated/directional ☐ induction
☐ neutron ☐ resistivity ☐ gamma ray ☐ temperature ☐ sonic

Well cored ☐ Yes ☒ No

Conventional Sidewall

Were cuttings collected ☐ Yes ☒ No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

Conductor - 0

Surface - 1 above guide shoe, 1 above insert float, 1 every 4th joint to surface

Intermediate - 1 above float joint, 1 above float collar, 1 every 4th joint to surface

Production - 1 above float joint, 1 below float collar, 1 every 3rd joint to top of cement

WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ☒ No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? ☐ Yes ☒ No DETAILS _____

WERE TRACERS USED ☐ Yes ☒ No TYPE OF TRACER(S) USED N/A

03/28/2025

API 47-033 - 05669 Farm name Antero Resources Corporation Well number Calkins Unit 1H

PERFORATION RECORD

[illegible]

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

03/28/2025

Farm name **Antero Resources Corporation** Well number **Calkins Unit 1H**

DEPTHS

N/A (TOP)

TVD

N/A (TOP)

MD

GAS TEST ☐ Build up ☐ Drawdown ☒ Open Flow

OIL TEST ■ Flow □ Pump

SHUT-IN PRESSURE Surface _____ psi Bottom Hole --- _____ psi DURATION OF TEST --- _____ hrs

Gas

Oil

NGL

Water

GAS MEASURED BY

mcfpd

bnd

—

bpd

bed

☐ Estimated☐ Office ☐ Pilot

TOP

BOTTOM

TOP

BOTTOM

DESCRIBE ROCK TYPE AND RECORD QUANTITY AND
TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H₂S, ETC)

[illegible]

Drilling Contractor IDC Drilling

Address 20475 SH 249, Suite 300 City Houston State TX Zip 77070

Logging Company

Address _____ City _____ State _____ Zip _____

Cementing Company Allied Cement

Address 3500 NW 114th St City Miami State FL Zip 33167-3325

Stimulating Company

Address _____ City _____ State _____ Zip _____

Please insert additional pages as applicable.

Completed by Carly Wren

Telephone 303-357-7373

Signature

Title **Permitting Agent**

Date 3/3/2025

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACFOCUS Registry

03/28/2025

WW-4A
Revised 6-07

1) Date: 3/3/2025
2) Operator's Well Number
Calkins Unit 1H

3) API Well No.: 47 - 033 - 05669

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

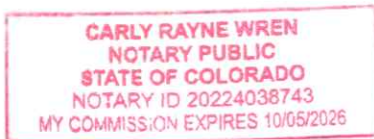
<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Antero Resources Corporation</u> Address <u>1615 Wynkoop St</u> <u>Denver, CO 80202</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p> <p>6) Inspector <u>Kenny Willett</u> Address <u>2393 Tallmansville Rd</u> <u>Buckhannon, WV 26201</u> Telephone <u>681-990-2567</u></p>	<p>5) (a) Coal Operator</p> <p>Name _____ Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name _____ Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name _____ Address _____</p>
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TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator Antero Resources Corporation
By: Jon McEvers
Its: Senior VP of Operations
Address 1615 Wynkoop Street
Denver, CO 80202
Telephone 303-357-7310

Subscribed and sworn before me this 4 day of MARCH 2025
Carly Rayne Wren Notary Public
My Commission Expires 10-5-26

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

03/28/2025

WW-9
(5/16)

API Number - 47 - 033-05669
Operator's Well No. - Calkins Unit 1H

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Antero Resources Corporation OP Code 494507062

Watershed (HUC 10) Middle West Fork Creek Quadrangle Big Isaac

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes ☐ No ☒

Will a pit be used? Yes ☐ No ☒

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes ☐ No ☐ If so, what ml? _____

Proposed Disposal Method For Treated Pit Wastes:

- ☐ Land Application (if selected provide a completed form WW-9-GPP)
- ☒ Underground Injection (UIC Permit Number UIC Permit # will be provided on Form WR-34)
- ☒ Reuse (at API Number Future permitted well locations when applicable. API# will be provided on Form WR-34)
- ☒ Off Site Disposal (Supply form WW-9 for disposal location) (Meadowfill Landfill Permit #SWF-1032-98)
- ☐ Other (Explain _____ Northwestern Landfill Permit #SWF-1025/WV0109410)

Will closed loop system be used? If so, describe: Yes, fluids stored in tanks, cuttings removed off site and taken to landfill.

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.

-If oil based, what type? Synthetic, petroleum, etc.

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc.

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Gretchen Kohler

Company Official (Typed Name) Gretchen Kohler

Company Official Title Director of Environmental & Regulatory Compliance

Subscribed and sworn before me this 7 day of MARCH, 20 25

CARLY RAYNE WREN Notary Public

My commission expires 10-5-26

CARLY RAYNE WREN
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20224038743
MY COMMISSION EXPIRES 10/05/2026

03/28/2025

Operator's Well No. Calkins Unit 1HProposed Revegetation Treatment: Acres Disturbed 4.81 Prevegetation pH Lime 2-3 Tons/acre or to correct to pH 6.5Fertilizer type Fertilizer amount 500 lbs/acreMulch 2-3 Tons/acre**Seed Mixtures****Temporary****Permanent**

Seed Type	lbs/acre
Annual Ryegrass	<u>40</u>
Field Bromegrass	<u>40</u>

Please reference Table IV-3 on page 6 of the Well #1 Plugging Plan

Seed Type	lbs/acre
Crownvetch	<u>10-15</u>
Tall Fescue	<u>30</u>

Please reference Table IV-4A on page 6 of the Well #1 Plugging Plan

or type of grass seed requested by surface owner*Attach:**

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Konny WillottComments:

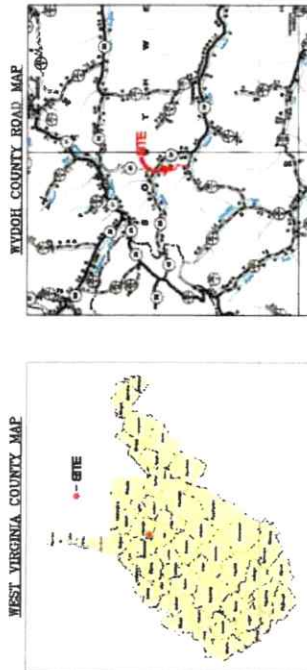
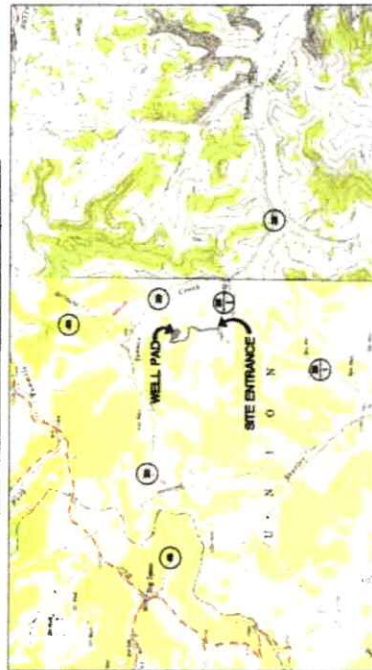
 Title: InspectorDate: 3/13/25

Field Reviewed?

☒ Yes☐ No

03/28/2025

UNION DISTRICT, HARRISON COUNTY, WEST VIRGINIA
ISAACS CREEK-WEST FORK RIVER WATERSHED
USGS 7.5 BIG ISAAC & WEST MILFORD QUAD MAP



(NOT TO SCALE)

0 5000
SCALE: 1" = 5000'

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!!

REPRODUCTION NOTE

THESE PLANS WERE CREATED TO BE PLOTTED ON 36"X24" (ANSI D) PAPER HALF SCALE DRAWINGS ARE ON 11"X17" (ANSI B) PAPER

SHEET INDEX:

1	-	COVER SHEET
2	-	CONSTRUCTION AND E&G CONTROLS NOTES
3	-	LEGEND
4	-	OVERALL PLAN SHEET INDEX
5	-	WELL PAD AS-BUILT PLAN
6	-	CONSTRUCTION DETAILS

WEST VIRGINIA STATE PLANE COORDINATE SYSTEM
NORTH ZONE MAPS
ELEVATION BASED ON NAVD83
EXTRACTED BY SURFACE GRADE CDS & DURS
PORT-PROCESSING

SUMMARY OF THE FINANCIAL RESULTS	
	Total
Total Advanced Assets	4.81
Total Recovered Assets Outstanding	0.10
Impairment to Admitted Assets	TM 483.3
Total Advanced Assets	0.00
Total Recovered Assets Outstanding	0.00
Impairment to Admitted Assets	TM 39.29-48.7
Total Advanced Assets	0.00
Total Recovered Assets Outstanding	0.00
Impairment to Admitted Assets	TM 32.3-39
Total Advanced Assets	4.70
Total Recovered Assets Outstanding	0.00
Impairment to Admitted Assets	TM 115.39-1
Total Advanced Assets	0.44
Total Recovered Assets Outstanding	0.00
Impairment to Admitted Assets	TM 115.39-1

Book Name	Year of Birth	Year of Death	Year of Burial	Year of Burial	Year of Burial
Book 1	1880	1880	1880	1880	1880
Book 2	1881	1881	1881	1881	1881
Book 3	1882	1882	1882	1882	1882
Book 4	1883	1883	1883	1883	1883
Book 5	1884	1884	1884	1884	1884
Book 6	1885	1885	1885	1885	1885
Book 7	1886	1886	1886	1886	1886
Book 8	1887	1887	1887	1887	1887
Book 9	1888	1888	1888	1888	1888
Book 10	1889	1889	1889	1889	1889
Book 11	1890	1890	1890	1890	1890
Book 12	1891	1891	1891	1891	1891
Book 13	1892	1892	1892	1892	1892
Book 14	1893	1893	1893	1893	1893
Book 15	1894	1894	1894	1894	1894
Book 16	1895	1895	1895	1895	1895
Book 17	1896	1896	1896	1896	1896
Book 18	1897	1897	1897	1897	1897
Book 19	1898	1898	1898	1898	1898
Book 20	1899	1899	1899	1899	1899
Book 21	1900	1900	1900	1900	1900
Book 22	1901	1901	1901	1901	1901
Book 23	1902	1902	1902	1902	1902
Book 24	1903	1903	1903	1903	1903
Book 25	1904	1904	1904	1904	1904
Book 26	1905	1905	1905	1905	1905
Book 27	1906	1906	1906	1906	1906
Book 28	1907	1907	1907	1907	1907
Book 29	1908	1908	1908	1908	1908
Book 30	1909	1909	1909	1909	1909
Book 31	1910	1910	1910	1910	1910
Book 32	1911	1911	1911	1911	1911
Book 33	1912	1912	1912	1912	1912
Book 34	1913	1913	1913	1913	1913
Book 35	1914	1914	1914	1914	1914
Book 36	1915	1915	1915	1915	1915
Book 37	1916	1916	1916	1916	1916
Book 38	1917	1917	1917	1917	1917
Book 39	1918	1918	1918	1918	1918
Book 40	1919	1919	1919	1919	1919
Book 41	1920	1920	1920	1920	1920
Book 42	1921	1921	1921	1921	1921
Book 43	1922	1922	1922	1922	1922
Book 44	1923	1923	1923	1923	1923
Book 45	1924	1924	1924	1924	1924
Book 46	1925	1925	1925	1925	1925
Book 47	1926	1926	1926	1926	1926
Book 48	1927	1927	1927	1927	1927
Book 49	1928	1928	1928	1928	1928
Book 50	1929	1929	1929	1929	1929
Book 51	1930	1930	1930	1930	1930
Book 52	1931	1931	1931	1931	1931
Book 53	1932	1932	1932	1932	1932
Book 54	1933	1933	1933	1933	1933
Book 55	1934	1934	1934	1934	1934
Book 56	1935	1935	1935	1935	1935
Book 57	1936	1936	1936	1936	1936
Book 58	1937	1937	1937	1937	1937
Book 59	1938	1938	1938	1938	1938
Book 60	1939	1939	1939	1939	1939
Book 61	1940	1940	1940	1940	1940
Book 62	1941	1941	1941	1941	1941
Book 63	1942	1942	1942	1942	1942
Book 64	1943	1943	1943	1943	1943
Book 65	1944	1944	1944	1944	1944
Book 66	1945	1945	1945	1945	1945
Book 67	1946	1946	1946	1946	1946
Book 68	1947	1947	1947	1947	1947
Book 69	1948	1948	1948	1948	1948
Book 70	1949	1949	1949	1949	1949
Book 71	1950	1950	1950	1950	1950
Book 72	1951	1951	1951	1951	1951
Book 73	1952	1952	1952	1952	1952
Book 74	1953	1953	1953	1953	1953
Book 75	1954	1954	1954	1954	1954
Book 76	1955	1955	1955	1955	1955
Book 77	1956	1956	1956	1956	1956
Book 78	1957	1957	1957	1957	1957
Book 79	1958	1958	1958	1958	1958
Book 80	1959	1959	1959	1959	1959
Book 81	1960	1960	1960	1960	1960
Book 82	1961	1961	1961	1961	1961
Book 83	1962	1962	1962	1962	1962
Book 84	1963	1963	1963	1963	1963
Book 85	1964	1964	1964	1964	1964
Book 86	1965	1965	1965	1965	1965
Book 87	1966	1966	1966	1966	1966
Book 88	1967	1967	1967	1967	1967
Book 89	1968	1968	1968	1968	1968
Book 90	1969	1969	1969	1969	1969
Book 91	1970	1970	1970	1970	1970
Book 92	1971	1971	1971	1971	1971
Book 93	1972	1972	1972	1972	1972
Book 94	1973	1973	1973	1973	1973
Book 95	1974	1974	1974	1974	1974
Book 96	1975	1975	1975	1975	1975
Book 97	1976	1976	1976	1976	1976
Book 98	1977	1977	1977	1977	1977
Book 99	1978	1978	1978	1978	1978
Book 100	1979	1979	1979	1979	1979

ROBERT WILES - DESIGN MANAGER

COVER SHEET
QUINN
WELL PAD
UNION DISTRICT
HARRISON COUNTY, WEST VIRGINIA



DATE 01/28/2025
SCALE AS SHOWN
SHEET 1 OF 6



NAVITUS
ENERGY ENGINEERING

[illegible]

NOTES

1999

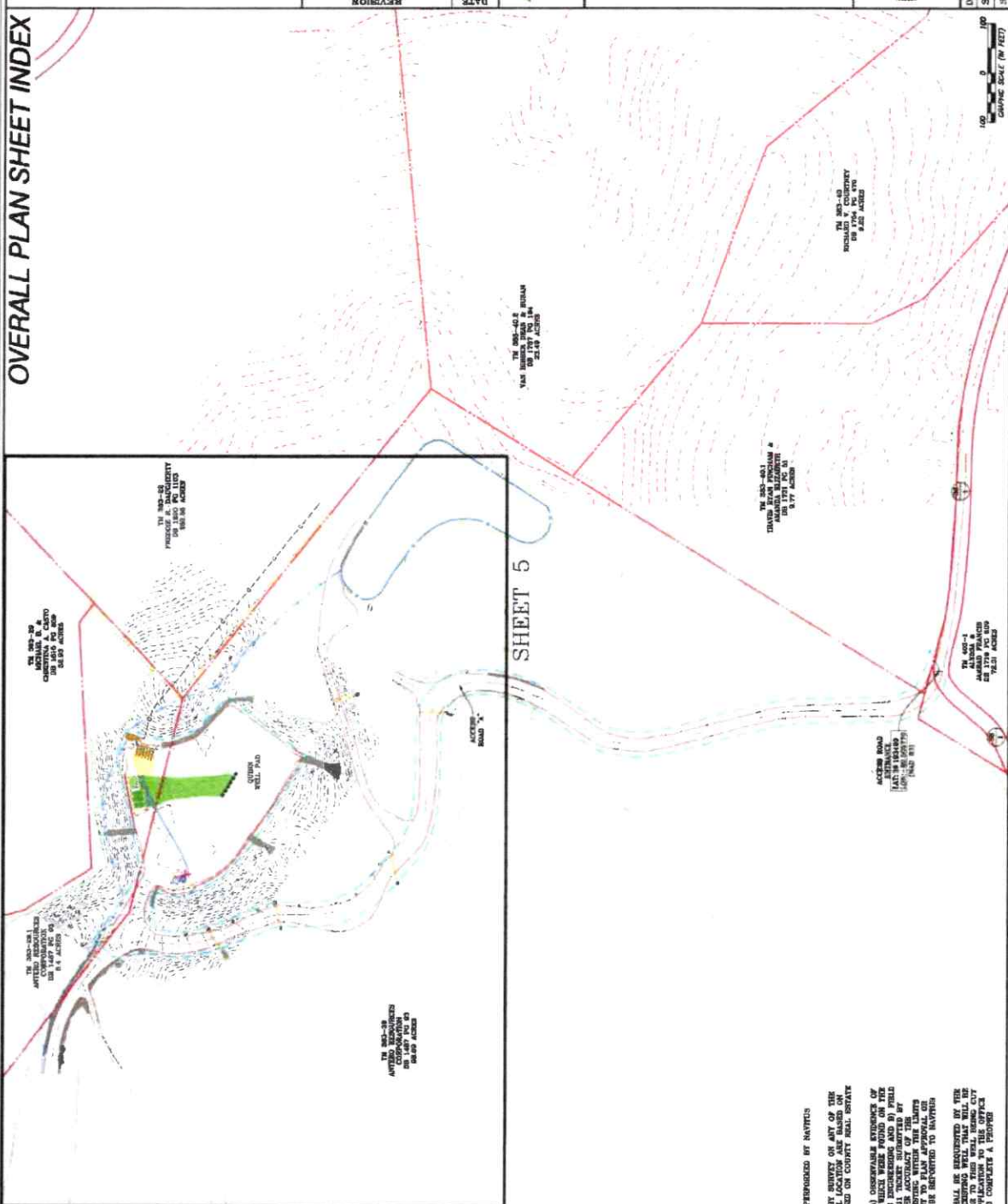


THIS DOCUMENT
WAS PREPARED FOR:
AMTRON RESOURCES
CORPORATION

LEGEND
QUINN
WELL PAD
UNION DISTRICT
HARRISON COUNTY, WEST VIRGINIA



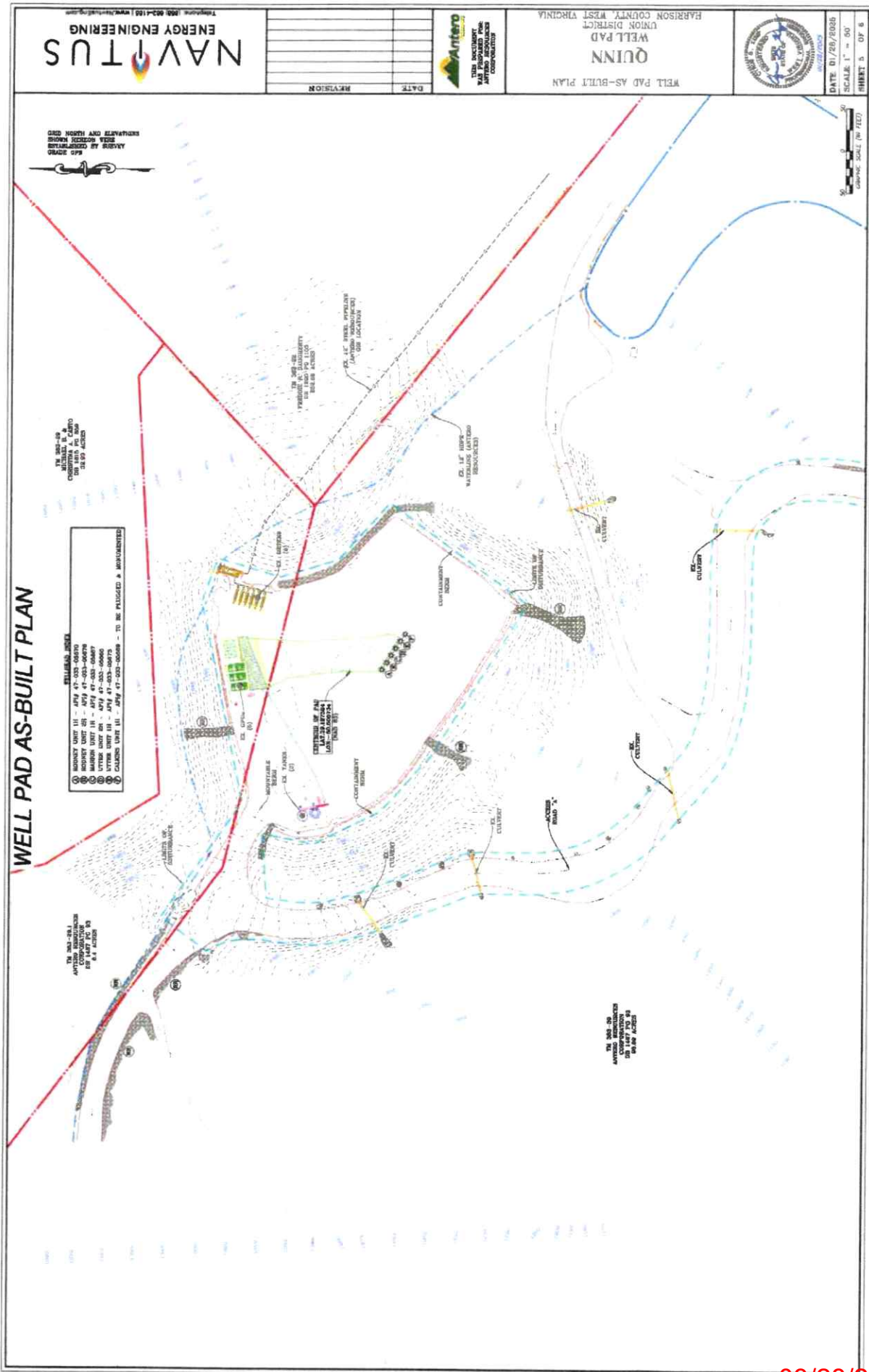
DATE 01/28/2025
SCALE N/A
INSET 3 OF 8



SHEET 5

GRID NORTH AND ELEVATIONS
SHOWN HEREON WERE
ESTABLISHED BY SURVEY
GRADE GPS

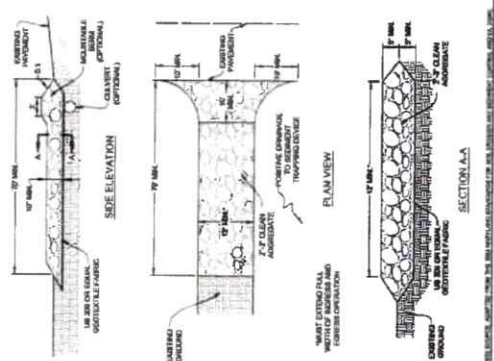
[illegible]



03/28/2025

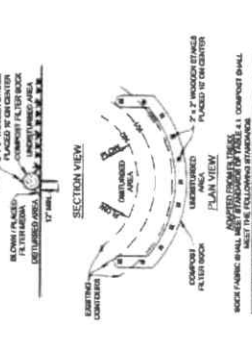
ROCK CONSTRUCTION ENTRANCE

N.T.S.



COMPOST FILTER SOCK

N.T.S.



NOTES:
1. THE ROCK CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
2. THE ROCK CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
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10. THE ROCK CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

REVEGETATION

N.T.S.

1. THE REVEGETATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
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ANTEROS' PREFERRED SEED MIXTURE

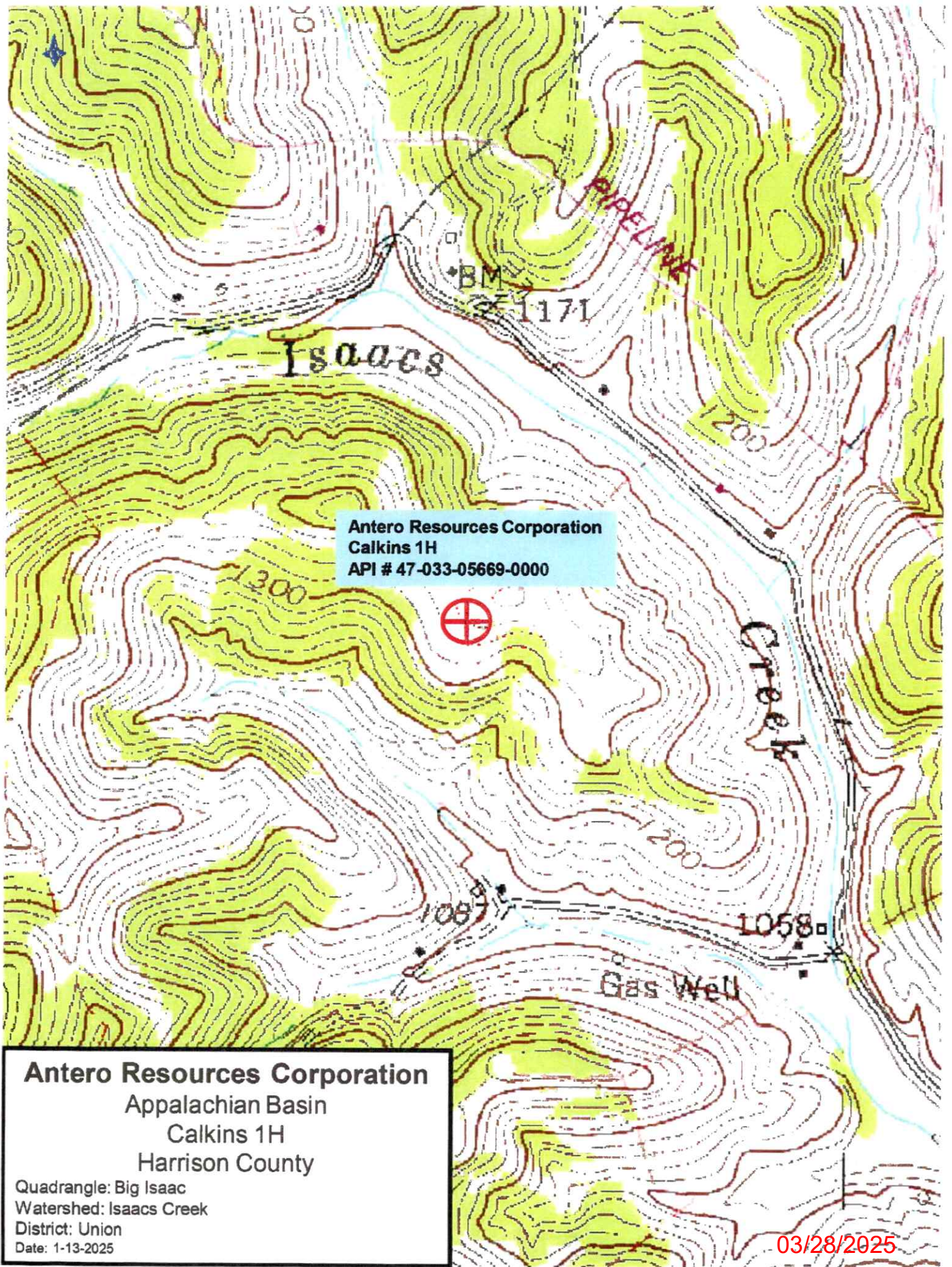
N.T.S.

Species	Percentage	Notes
Grass	40%	
Legume	40%	
Forage	20%	
Wildflower	10%	
Other	10%	

ANTEROS' PREFERRED SEED MIXTURE

N.T.S.

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Grass	40%	
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West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-033-05669 WELL NO.: Calkins 1H

FARM NAME: Quinn

RESPONSIBLE PARTY NAME: Antero Resources Corporation

COUNTY: Harrison DISTRICT: Union

QUADRANGLE: Big Isaac

SURFACE OWNER: Antero Resources Corporation

ROYALTY OWNER: _____

UTM GPS NORTHING: 4338792.28 m

UTM GPS EASTING: 542608.03 m GPS ELEVATION: 1358.0 ft

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS X: Post Processed Differential _____
Real-Time Differential X

Mapping Grade GPS X: Post Processed Differential _____
Real-Time Differential X

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

May Turt
Signature

Permitting Manager
Title

3/5/2025
Date

03/28/2025

WW-4B

API No.	47-033-05669
Farm Name	Antero Resources Corporation
Well No.	Calkins Unit 1H

INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator ____/ owner ____/ lessee ____/ of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____

By: _____

Its _____

03/28/2025

SURFACE OWNER WAIVER

Operator's Well
Number

Calkins Unit 1H

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT. WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

_____	Date _____	Name _____	_____
Signature		By _____	
		Its _____	Date _____
		Signature _____	Date _____

03/28/2025



Kennedy, James P <james.p.kennedy@wv.gov>

plugging permit issued 4703305669

1 message

Kennedy, James P <james.p.kennedy@wv.gov>


Fri, Mar 21, 2025 at 11:48 AM

To: Kenny S Willett <kenny.s.willett@wv.gov>, Dani Devito <ddevito@shalepro.com>, Mallory Turco <mturco@anteroresources.com>, dpalmer@harrisoncountywv.com

To whom it may concern, a plugging permit has been issued for 4703305669.

James Kennedy

WVDEP OOG

 **4703305669.pdf**
3167K

03/28/2025