



---

west virginia department of environmental protection

---

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Thursday, September 5, 2024  
PERMIT MODIFICATION APPROVAL  
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION  
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit Modification Approval for IVORY UNIT 1H  
47-095-02889-00-00

**Extended Lateral Length**

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.

A handwritten signature in blue ink, appearing to read "James A. Martin".

James A. Martin  
Chief

Operator's Well Number: IVORY UNIT 1H  
Farm Name: NEIL R STEBBINS  
U.S. WELL NUMBER: 47-095-02889-00-00  
Horizontal 6A New Drill  
Date Modification Issued: 9/5/2024

Promoting a healthy environment.

09/06/2024

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

1) Well Operator: Antero Resources Corporation 494507062 095-Tyler Lincoln Paden City 7.5'  
Operator ID County District Quadrangle

2) Operator's Well Number: Ivory Unit 1H MOD Well Pad Name: Starkey Pad

3) Farm Name/Surface Owner: Neil R. Stebbins Public Road Access: Hamilton Drive

4) Elevation, current ground: 1107' Elevation, proposed post-construction: 1091'

5) Well Type (a) Gas  Oil  Underground Storage

Other \_\_\_\_\_

(b) If Gas Shallow  Deep

Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Marcellus Shale: 6800' TVD, Anticipated Thickness- 55 feet, Associated Pressure- 2800#

8) Proposed Total Vertical Depth: 6800' TVD

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 22400' MD

11) Proposed Horizontal Leg Length: 11771.9'

12) Approximate Fresh Water Strata Depths: 464'

13) Method to Determine Fresh Water Depths: 47-095-00275

14) Approximate Saltwater Depths: 1522'

15) Approximate Coal Seam Depths: None Identified

16) Approximate Depth to Possible Void (coal mine, karst, other): None Anticipated

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes \_\_\_\_\_ No

(a) If Yes, provide Mine Info: Name: \_\_\_\_\_  
Depth: \_\_\_\_\_  
Seam: \_\_\_\_\_  
Owner: \_\_\_\_\_

RECEIVED  
Office of Oil and Gas  
AUG 28 2024  
Department of  
Environmental Protection

*John May*  
8/27/24  
09/06/2024

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

1) Well Operator: Antero Resources Corpora 494507062 095-Tyler Lincoln Paden City 7.5'  
Operator ID County District Quadrangle

2) Operator's Well Number: Ivory Unit 1H MOD Well Pad Name: Starkey Pad

3) Farm Name/Surface Owner: Neil R. Stebbins Public Road Access: Hamilton Drive

4) Elevation, current ground: 1107' Elevation, proposed post-construction: 1091'

5) Well Type (a) Gas  Oil  Underground Storage

Other

(b) If Gas Shallow  Deep

Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Marcellus Shale: 6800' TVD, Anticipated Thickness- 55 feet, Associated Pressure- 2800#

8) Proposed Total Vertical Depth: 6800' TVD

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 22400' MD

11) Proposed Horizontal Leg Length: 11771.9'

12) Approximate Fresh Water Strata Depths: 464'

13) Method to Determine Fresh Water Depths: 47-095-00275

14) Approximate Saltwater Depths: 1522'

15) Approximate Coal Seam Depths: None Identified

16) Approximate Depth to Possible Void (coal mine, karst, other): None Anticipated

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes  No

(a) If Yes, provide Mine Info: Name: \_\_\_\_\_  
Depth: \_\_\_\_\_  
Seam: \_\_\_\_\_  
Owner: \_\_\_\_\_

CK# 4034426  
# 2500  
8/15/24

RECEIVED  
Office of Oil and Gas  
AUG 19 2024  
WV Department of  
Environmental Protection

WW-6B  
(04/15)

API NO. 47- 095 - 02889  
 OPERATOR WELL NO. Ivory Unit 1H MOD  
 Well Pad Name: Starkey Pad

18)

**CASING AND TUBING PROGRAM**

<u>TYPE</u>	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	20"	New	H-40	94#	100	100	CTS, 89 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	514	514	CTS, 536 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	2500	2500	CTS, 1018 Cu. Ft.
Intermediate							
Production	5-1/2"	New	P-110	23#	22400	22400	4717 Cu. Ft.
Tubing	2-3/8"	New	N-80	4.7#			
Liners							

<u>TYPE</u>	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	20"	24"	0.438"	1530	50	Class A/L	~1.18
Fresh Water	13-3/8"	17-1/2"	0.38"	2730	1000	Class A/L	~1.18
Coal	9-5/8"	12-1/4"	0.352"	3520	1500	Class A/L	~1.18
Intermediate							
Production	5-1/2"	8-3/4" & 8-1/2"	0.415"	12,630	2500	LABS-HPOZ & Tel-H	H/POZ-1.44 & H-1.8
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners							

**PACKERS**

Kind:	N/A			RECEIVED Office of Oil and Gas
Sizes:	N/A			AUG 28 2024
Depths Set:	N/A			WV Department of Environmental Protection

09/06/2024

WW-6B  
(10/14)

API NO. 47-095 - 02889  
OPERATOR WELL NO. Ivory Unit 1H MOD  
Well Pad Name: Starkey Pad

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill, perforate, fracture a new shallow well and complete Marcellus Shale.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Antero plans to pump Slickwater into the Marcellus Shale formation in order to ready the well for production. The fluid will be comprised of approximately 99 percent water and sand, with less than 1 percent special-purpose additives as shown in the attached "List of Anticipated Additives Used for Fracturing or Stimulating Well."

Anticipated Max Pressure - 9300 lbs  
Anticipated Max Rate - 80 bpm

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 35.27 acres

22) Area to be disturbed for well pad only, less access road (acres): 14.87 acres

23) Describe centralizer placement for each casing string:

Conductor: no centralizers  
Surface Casing: one centralizer 10' above the float shoe, one on the insert float collar and one every 4th joint spaced up the hole to surface.  
Intermediate Casing: one centralizer above float joint, one centralizer 5' above float collar and one every 4th collar to surface.  
Production Casing: one centralizer at shoe joint and one every 3 joints to top of cement in intermediate casing.

24) Describe all cement additives associated with each cement type:

Conductor: no additives, Class A/L cement.  
Surface: Class A/L cement with 2-3% calcium chloride and 1/4 lb of flake  
Intermediate: Class A/L cement with 1/4 lb of flake, 5 gallons of clay treat  
Production: Lead cement- 50/50 Class H/Poz + 1.5% salt + 1% C-45 + 0.5% C-16a + 0.2% C-12 + 0.45% C-20 + 0.05% C-51  
Production: Tail cement- Class H + 45 PPS Calcium Carbonate + 1.0% FL-160 + 0.2% ACGB-47 + 0.05% ACSA-51 + 0.2% ACR-20

25) Proposed borehole conditioning procedures:

Conductor: blowhole clean with air, run casing, 10 bbls fresh water.  
Surface: blowhole clean with air, trip to conductor shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate pipe capacity + 40 bbls fresh water followed by 25 bbls bentonite mud, 10 bbls fresh water spacer.  
Intermediate: blowhole clean with air, trip to surface casing shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate 40 bbls brine water followed by 10 bbls fresh water and 25 bbls bentonite mud, pump 10 bbls fresh water.  
Production: circulate with 14 lb/gal NaCl mud, trip to middle of lateral, circulate, pump high viscosity sweep, trip to base of curve, pump high viscosity sweep, trip to top of curve, trip to bottom, circulate, pump high viscosity sweep, trip out, run casing, circulate 10 bbls fresh water, pump 48 bbls barite pill, pump 10 bbls fresh water followed by 48 bbls mud flush and 10 bbls water.

\*Note: Attach additional sheets as needed.

RECEIVED  
Office of Oil and Gas

AUG 28 2024

WV Department of  
Environmental Protection

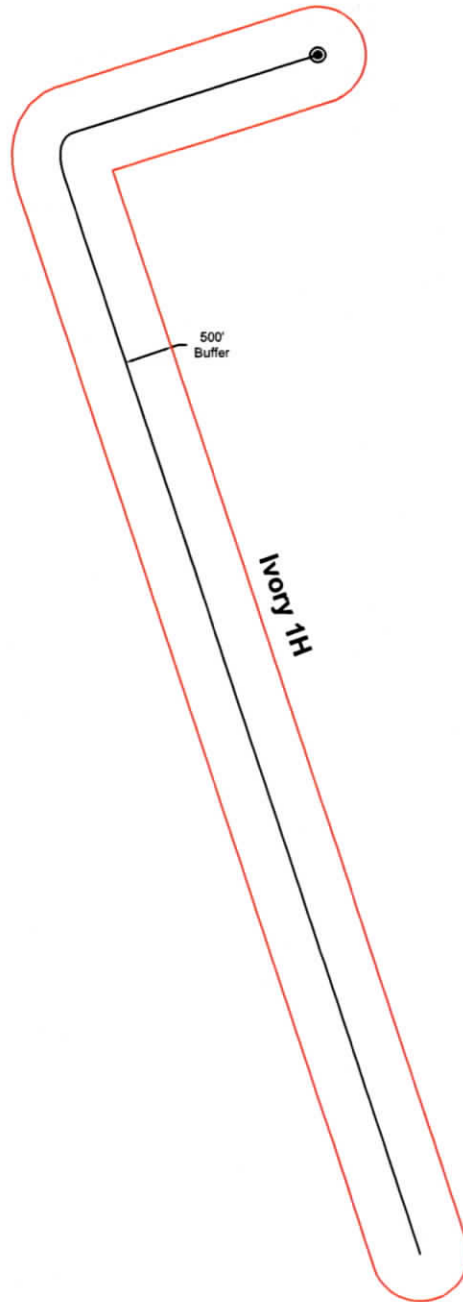
09/06/2024

**LEGEND**

- Proposed gas well
- ⊗ Existing Well, as noted
- ⊗ Digitized Well, as noted



The orientation of this survey is Grid North, and its coordinate base is the West Virginia Coordinate System of 1927, North Zone



RECEIVED  
Office of Oil and Gas  
AUG 19 2024  
WV Department of  
Environmental Protection

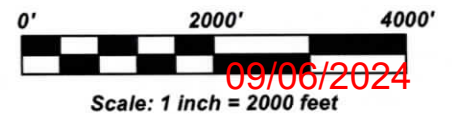


Bridgeport Office  
Phone: (304) 848-5035  
Fax: (304) 848-5037

172 Thompson Drive  
Bridgeport, WV 26330

PARTY CHIEF: C. Lynch	DRAWN BY: J. McNemar
RESEARCH: J. Miller	PREPARED: May 29, 2024
SURVEYED: Dec. 2016	PROJECT NO: 160-54-L-23
FIELD CREW: C.L., K.M.	DRAWING NO: Ivory 1H AOR

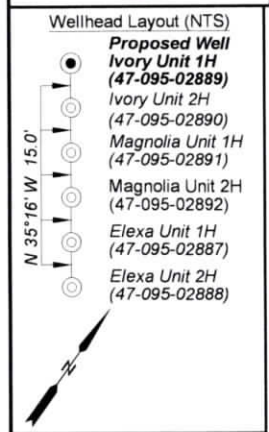
Sheet 1 of 1



**Antero Resources**  
**Well No. Ivory 1H**  
**BHL MOD**  
**Antero Resources Corporation**

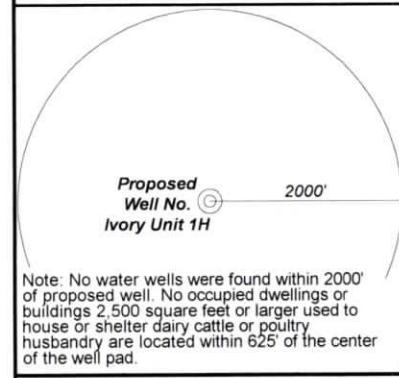
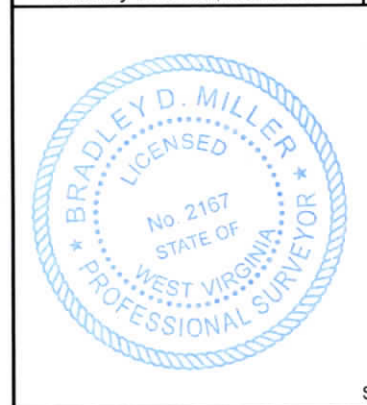


Page  
1 of 2



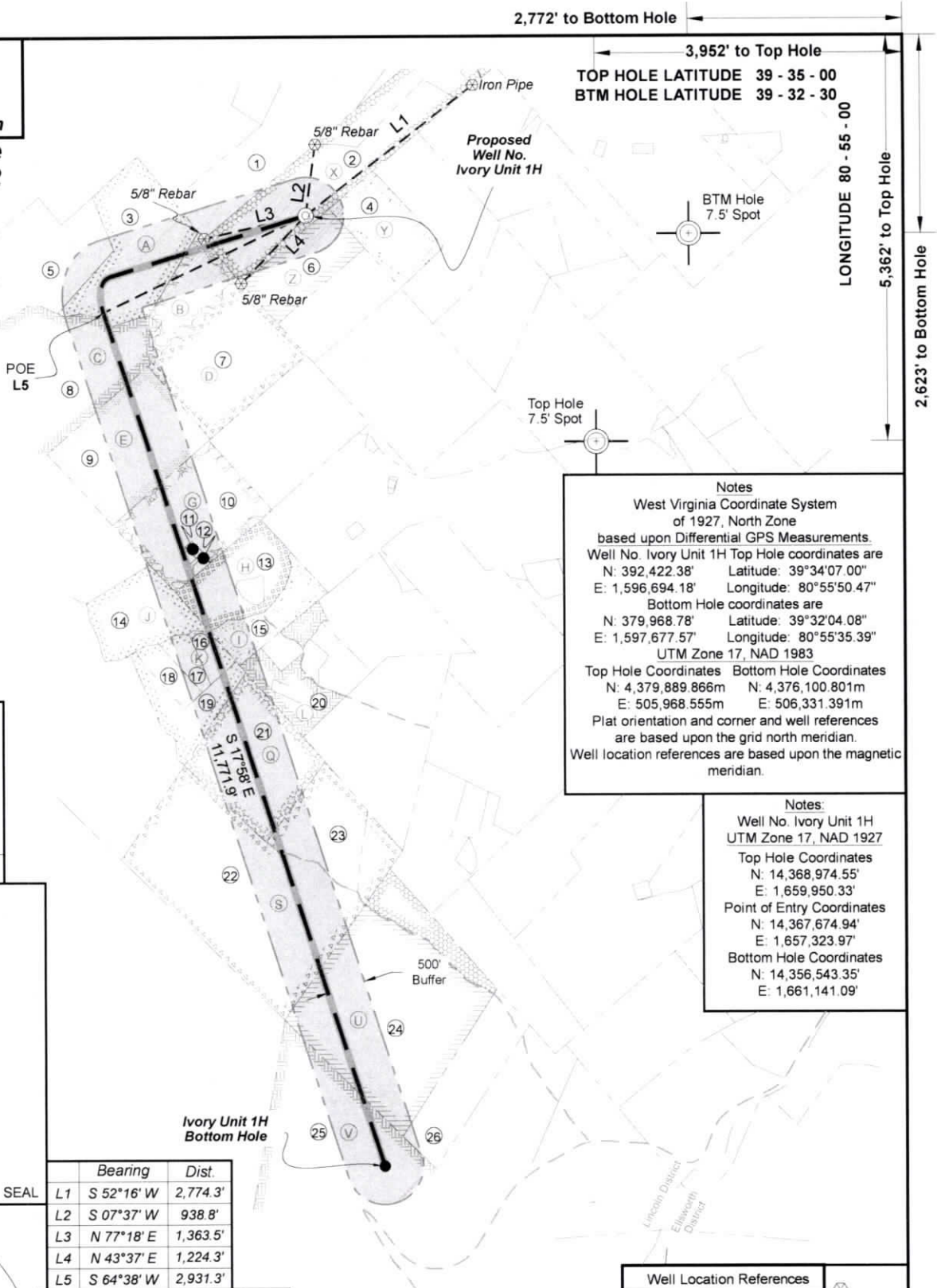
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

*Bradley D. Miller*  
 Bradley D. Miller, P.S. 2167



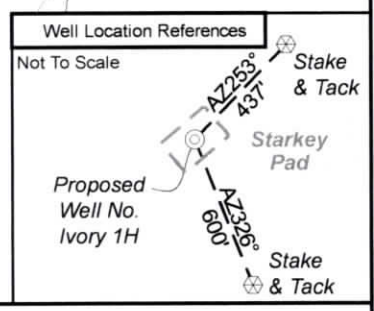
	Bearing	Dist.
L1	S 52°16' W	2,774.3'
L2	S 07°37' W	938.8'
L3	N 77°18' E	1,363.5'
L4	N 43°37' E	1,224.3'
L5	S 64°38' W	2,931.3'

- Legend
- Proposed gas well
  - ⊕ Monument, as noted
  - ⊙ Existing Well, as noted
  - ⊙ Digitized Well, as noted
  - - - Creek or Drain
  - Road
  - Surface boundary (approx.)
  - Interior surface tracts (approx.)
  - County Line



Notes  
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
 Well No. Ivory Unit 1H Top Hole coordinates are N: 392,422.38' Latitude: 39°34'07.00" E: 1,596,694.18' Longitude: 80°55'50.47"  
 Bottom Hole coordinates are N: 379,968.78' Latitude: 39°32'04.08" E: 1,597,677.57' Longitude: 80°55'35.39"  
 UTM Zone 17, NAD 1983  
 Top Hole Coordinates Bottom Hole Coordinates  
 N: 4,379,889.866m N: 4,376,100.801m  
 E: 505,968.555m E: 506,331.391m  
 Plat orientation and corner and well references are based upon the grid north meridian.  
 Well location references are based upon the magnetic meridian.

Notes  
 Well No. Ivory Unit 1H  
 UTM Zone 17, NAD 1927  
 Top Hole Coordinates  
 N: 14,368,974.55'  
 E: 1,659,950.33'  
 Point of Entry Coordinates  
 N: 14,367,674.94'  
 E: 1,657,323.97'  
 Bottom Hole Coordinates  
 N: 14,356,543.35'  
 E: 1,661,141.09'



FILE NO: 160-54-L-23  
 DRAWING NO: Ivory 1H Well Plat  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: Submeter  
 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

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

DATE: July 24 20 24  
 OPERATOR'S WELL NO. Ivory 1H  
 API WELL NO  
 47 - 095 - 02889  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: Proposed Elev: 1,091' Existing Elev: 1,107' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City  
 DISTRICT: Lincoln COUNTY: Tyler 09/06/2024  
 SURFACE OWNER: Neil R. Stebbins ACREAGE: 51.48  
 ROYALTY OWNER: AMP IV, LP LEASE NO: ACREAGE: 80.37  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD 6,800' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,400' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis  
 ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.  
 Denver, CO 80202 Bridgeport, WV 26330



Leases	
A	Moore Self Storage, North Carolina, LLC
B	Robert F. & Rita K. Scardina
C	Evon Heintzman, by Debra K. Spencer as AIF
D	Robert F. & Rita K. Scardina
E	Bounty Minerals, LLC
G	Theresa J. Drain
H	Bounty Minerals, LLC
I	Delbert D. & Betty R. Rush
J	M. Sharon Deaton
K	Larry A. & Karen B. Wells
L	Delbert D. & Betty R. Rush
Q	Gerald W. Meckley, Jr. et al
S	Arlen Glen Wells, Jr.
U	Gerald W. Meckley, Jr. et al
V	Gerald W. Meckley, Jr. et al
X	AMP IV, LP
Y	Robert F. & Rita K. Scardina
Z	Robert F. & Rita K. Scardina

ID	TM-Par	Owner	Bk/Pg	Acres
1	5-4	Ralph D. & Sophia Judge	306/681	60.77
2	5-9.4	Neil R. Stebbins	366/436	51.48
3	4-9.1	Donna Kathy Johnston	184/133	54.06
4	5-12	Robert F. & Rita K. Scardina	320/646	25.00
5	4-90.1	Gary B. & Melinda J. Lewis	473/1	47.33
6	5-11	Robert F. & Rita K. Scardina	320/646	25.00
7	8-14	Robert F. & Rita K. Scardina	320/646	72.79
8	8-12	Donna Kathy Johnston	184/133	86.89
9	8-13	Donna Kathy Johnston	184/133	50.00
10	8-24	Theresa J. Drain	428/607	49.47
11	8-25	Theresa J. Drain	342/614	0.53
12	8-24.1	Thomas P. & Debra N. Doig	383/394	1.09
13	8-26	Delbert D. & Betty Ruth Rush	191/125	20.65
14	8-27	Sharon M. & Jeffrey Darrin Deaton	349/176	24.652
15	9-12	Betty Ruth Rush	162/25	23.00
16	8-30.4	Rada Ann Weekley	OR135/379	5.007
17	8-30.1	Rada Ann Weekley	WB30/516	5.007
18	8-30.3	Coy L. Moffitt	10/439	6.772
19	8-30.2	Nevin J. Moffitt	332/25	16.380
20	9-14	Donal Lee & Ronal Wayne Rush	368/825	32.71
21	9-22	GR Meckley Family Trust	OR50/28	43.75
22	8-61	GR Meckley Family Trust	OR50/28	106.51
23	9-45	GR Meckley Family Trust	OR50/606	26.05
24	13-1	GR Meckley Family Trust	OR50/28	99.00
25	13-9.6	GR Meckley Family Trust	OR50/28	65.48
26	13-5	GR Meckley Family Trust	OR50/28	31.50

FILE NO: 160-54-L-23  
 DRAWING NO: Ivory 1H Well Plat  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY:  
Submeter  
 PROVEN SOURCE OF ELEVATION:  
WVDOT, Harrisville, WV

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

DATE: July 24 20 24  
 OPERATOR'S WELL NO. Ivory 1H  
**API WELL NO**  
47 - 095 - 02889  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: Proposed Elev: 1,091' Existing Elev: 1,107' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City  
 DISTRICT: Lincoln COUNTY: Tyler  
 SURFACE OWNER: Neil R. Stebbins ACREAGE: 51.48  
 ROYALTY OWNER: AMP IV, LP LEASE NO: \_\_\_\_\_ ACREAGE: 80.37  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD 6,800' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,400' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis  
 ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.  
Denver, CO 80202 Bridgeport, WV 26330



**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6A, Section 5(a)(5)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
<b><u>V: Gerald W. Meckley, Jr et al Lease</u></b>				
	Gerald W. Meckley, Jr et al	Triad Hunter, LLC	1/8	2/642
	Triad Hunter, LLC	Blue Ridge Mountain Resources, Inc	Assignment	104/354
	Blue Ridge Mountain Resources, Inc	Eclipse Resources I, LP	Assignment	104/357
	Eclipse Resources I, LP	SWN Production (Ohio), LLC	Name Change	WVSOS
	SWN Production (Ohio), LLC	Antero Resources Corporation	Assignment	235/291

**Acknowledgement of Possible Permitting/Approval  
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

RECEIVED  
Office of Oil and Gas  
**AUG 19 2024**  
WV Department of  
Environmental Protection

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Antero Resources Corporation

By: Tim Rady

Its: Senior Vice President of Land

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6A, Section 5(a)(5)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

(1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;

(2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
<u>X: AMP IV, LP Lease</u> AMP IV, LP	Antero Resources Corporation	1/8+	231/747
<u>B: Robert F. &amp; Rita K. Scardina Lease</u> Robert F. & Rita K. Scardina	Antero Resources Corporation	1/8+	235/654
<u>A: Moore Self Storage, North Carolina, LLC Lease</u> Moore Self Storage, North Carolina, LLC	Antero Resources Corporation	1/8+	261/175
<u>C: Evon Heintzman, by Debra K. Spencer as AIF Lease</u> Evon Heintzman, by Debra K. Spencer as AIF	Antero Resources Corporation	1/8+	631/387
<u>E: Bounty Minerals, LLC Lease</u> Bounty Minerals, LLC	Antero Resources Corporation	1/8+	286/571
<u>G: Theresa J. Drain Lease</u> Theresa J. Drain	Antero Resources Corporation	1/8+	192/90
<u>H: Bounty Minerals, LLC Lease</u> Bounty Minerals, LLC SWN Production Company	SWN Production Company Antero Resources Corporation	1/8+ Assignment	222/315 235/291
<u>J: M. Sharon Deaton Lease</u> M. Sharon Deaton	Antero Resources Corporation	1/8+	197/208
<u>I: Delbert D. &amp; Betty R. Rush Lease</u> Delbert D. & Betty R. Rush	Antero Resources Corporation	1/8+	665/159
<u>K: Larry A. &amp; Karen B. Wells Lease</u> Larry A. & Karen B. Wells	Antero Resources Corporation	1/8+	220/613
<u>Q: Gerald W. Meckley, Jr. et al Lease</u> Gerald W. Meckley, Jr. et al Triad Hunter, LLC Blue Ridge Mountain Resources, Inc Eclipse Resources I, LP SWN Production Company	Triad Hunter, LLC Blue Ridge Mountain Resources, Inc Eclipse Resources I, LP SWN Production Company Antero Resources Corporation	1/8 Assignment Assignment Name Change Assignment	2/644 104/354 104/357 WVSOS 235/291
<u>S: Arlen Glen Wells, Jr. Lease</u> Arlen Glens Wells, Jr.	Antero Resources Corporation	1/8+	211/509

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
 Chapter 22, Article 6A, Section 5(a)(5)  
 IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
<b><u>U: Gerald W. Meckley, Jr. et al Lease</u></b>			
Gerald W. Meckley, Jr. et al	Triad Hunter, LLC	1/8	2/640
Triad Hunter, LLC	Blue Ridge Mountain Resources, Inc	Assignment	104/354
Blue Ridge Mountain Resources, Inc	Eclipse Resources I, LP	Assignment	104/357
Eclipse Resources I, LP	SWN Production Company	Name Change	WVSOS
<b>SWN Production Company</b>	<b>Antero Resources Corporation</b>	<b>Assignment</b>	<b>235/291</b>

\*Partial Assignments to Antero Resources Corporation include 100% rights to extract, produce and market the oil and gas from the Marcellus and any other formations completed with this well.

**\*Cotenancy Utilization** - Antero is utilizing the Co-tenancy Modernization and Majority Protection Act to proceed with development of certain royalty owners' interests in this tract.

**\*\*Pooling/Unitization** – Antero has filed a horizontal well unitization application with the West Virginia Oil and Gas Conservation Commission that seeks to pool certain owners in this tract

RECEIVED  
 Office of Oil and Gas  
 AUG 19 1  
 WV Department of  
 Environmental Protection