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west virginia department of environmental protection

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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)

Monday, August 12, 2024  
PERMIT MODIFICATION APPROVAL  
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION  
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit Modification Approval for ELEXA UNIT 2H  
47-095-02888-00-00

**Lateral Extension**

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 blue ink signature of James A. Martin, Chief, is written over a white background.

James A. Martin  
Chief

Operator's Well Number: ELEXA UNIT 2H  
Farm Name: NEIL R STEBBINS  
U.S. WELL NUMBER: 47-095-02888-00-00  
Horizontal 6A New Drill  
Date Modification Issued: 08/12/2024

Promoting a healthy environment.

08/16/2024

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: Elexa Unit 2H 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 X Oil \_\_\_\_\_ Underground Storage \_\_\_\_\_

Other \_\_\_\_\_

(b) If Gas Shallow X Deep \_\_\_\_\_

Horizontal X

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: 21000' MD

11) Proposed Horizontal Leg Length: 12369.7'

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 X

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

Depth: \_\_\_\_\_

Seam: \_\_\_\_\_

Owner: \_\_\_\_\_

CK # 4033944  
# 2500

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*Tyler*  
8-16-24

WW-6B  
(04/15)

API NO. 47-095 - 02888  
 OPERATOR WELL NO. Elexa Unit 2H MOD  
 Well Pad Name: Starkey Pad

18)

**CASING AND TUBING PROGRAM**

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
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#	21000	21000 ✓	4364 Cu. Ft
Tubing	2-3/8"	New	N-80	4.7#			
Liners							

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
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	Lead-H/POZ & Tail - H	H/POZ-1.44 & H-1.8
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners							

**PACKERS**

Kind:	N/A			
Sizes:	N/A			
Depths Set:	N/A			

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

Drill, perforate, fracture a new vertical 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

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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.

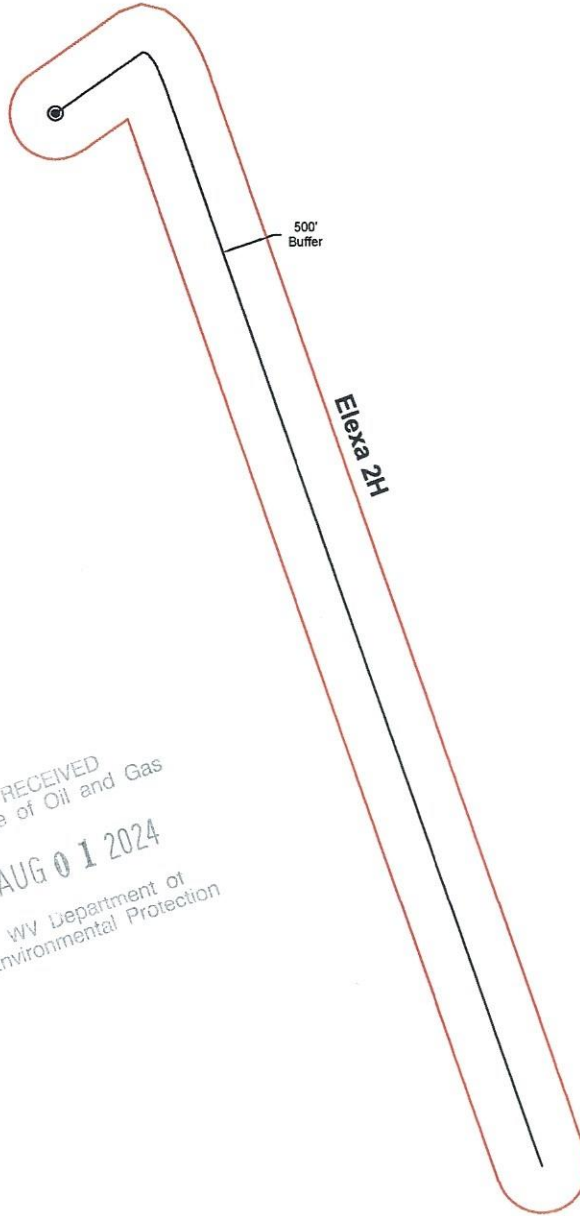
SMW  
08/16/2024

**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



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

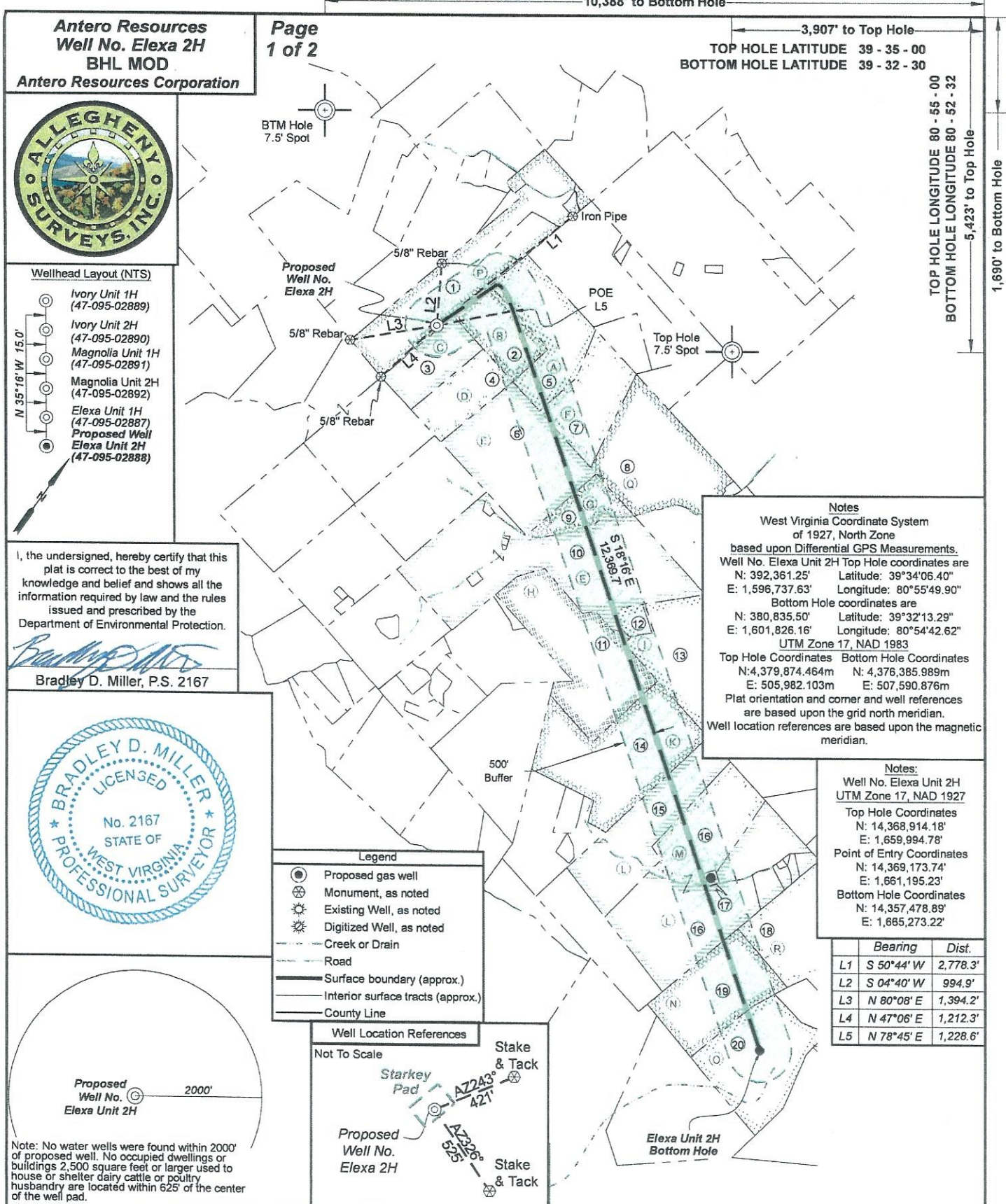
172 Thompson Drive  
Bridgeport, WV 26330

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: Elexa 2H AOR



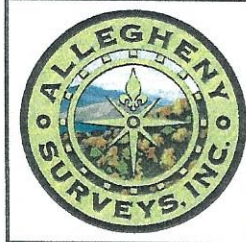
Scale: 1 inch = 2000 feet

08/16/2024



**Antero Resources**  
**Well No. Elexa 2H**  
**BHL MOD**  
**Antero Resources Corporation**

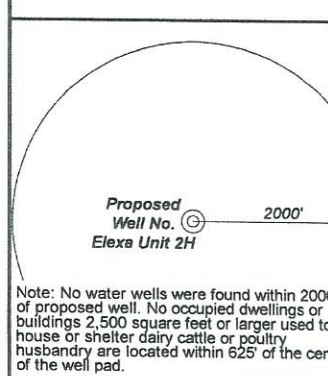
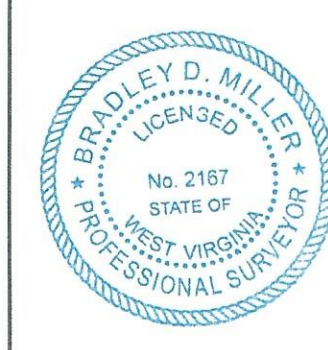
Page  
 1 of 2



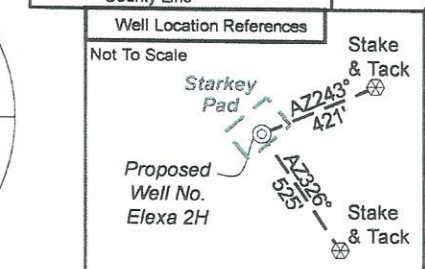
- Wellhead Layout (NTS)**
- Ivory Unit 1H (47-095-02889)
  - Ivory Unit 2H (47-095-02890)
  - Magnolia Unit 1H (47-095-02891)
  - Magnolia Unit 2H (47-095-02892)
  - Elexa Unit 1H (47-095-02887)
  - Proposed Well Elexa Unit 2H (47-095-02888)

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



- 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. Elexa Unit 2H Top Hole coordinates are  
 N: 392,361.25' Latitude: 39°34'06.40"  
 E: 1,596,737.63' Longitude: 80°55'49.90"

Bottom Hole coordinates are  
 N: 380,835.50' Latitude: 39°32'13.29"  
 E: 1,601,826.16' Longitude: 80°54'42.62"

UTM Zone 17, NAD 1983  
 Top Hole Coordinates Bottom Hole Coordinates  
 N: 4,379,874.464m N: 4,376,385.989m  
 E: 505,982.103m E: 507,590.876m

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. Elexa Unit 2H UTM Zone 17, NAD 1927

Top Hole Coordinates  
 N: 14,368,914.18'  
 E: 1,659,994.78'

Point of Entry Coordinates  
 N: 14,369,173.74'  
 E: 1,661,195.23'

Bottom Hole Coordinates  
 N: 14,357,478.89'  
 E: 1,665,273.22'

	Bearing	Dist.
L1	S 50°44' W	2,778.3'
L2	S 04°40' W	994.9'
L3	N 80°08' E	1,394.2'
L4	N 47°06' E	1,212.3'
L5	N 78°45' E	1,228.6'

FILE NO: 158-54-L-23  
 DRAWING NO: Elexa 2H 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: August 5 20 24  
 OPERATOR'S WELL NO. Elexa 2H  
 API WELL NO  
 47 - 095 - 02888  
 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: \_\_\_\_\_ ACRES: 087.169000  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,000' MD 6,800' TVD

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

*JKR 8/16/24*



Leases	
A	Robert F. & Rita K. Scardina
B	Robert F. & Rita K. Scardina
C	Robert F. & Rita K. Scardina
D	Robert F. & Rita K. Scardina
E	Earl K. Grimes, et ux
F	BRC Appalachian Minerals I, LLC
G	BRC Appalachian Minerals I, LLC
H	Breck Minerals, LP
I	BRC Appalachian Minerals I, LLC
K	Ethan A. & Marsh L. Riffle, JTWROS
L	Blanche B. Bailey & Shelby R. Bailey
M	Charles R. Jobes
N	Melodee A. Mathery
O	Heritage Resources-Marcellus, LLC
P	AMP IV, LP
Q	Janet L. Heintzman
R	Diane W. Kestle

ID	TM-Par	Owner	Bk/Pg	Acres
1	5-9.4	Neil R. Stebbins	366/436	51.48
2	5-12	Robert F. & Rita K. Scardina	320/646	25.00
3	5-11	Robert F. & Rita K. Scardina	320/646	25.00
4	5-10	Robert F. & Rita K. Scardina	320/646	25.00
5	5-13	Robert F. & Rita K. Scardina	320/646	46.00
6	9-3	D.E. Grimes & Sons Farm, LLC	209/496	67.00
7	5-18	Melvin S. Stern, et al	155/637	43.50
8	9-5	D.E. Grimes & Sons Farm, LLC	209/496	1.59
9	9-4	Brandon Scott Grimes	637/841	20.00
10	9-16	D.E. Grimes & Sons Farm, LLC	209/496	118.22
11	9-15.1	Larry M. & Betty L. Jochum; Mark Lee Jochum	573/794	75.00
12	9-17.1	James E. Vancamp & Barbie Jean Palmer	318/485	4.91
13	9-17	Ethan A. & Marsha L. Riffle	323/649	90.04
14	9-24	Ethan A. & Marsha L. Riffle	299/26	82.00
15	9-27	Robert Livio Bolner	226/593	59.00
16	9-28	Constance Heintzman	WB43/505	104.50
17	9-29	Russell D. & Mary A. Adams	190/300	1.00
18	9-36	Diane Weaver Clark	WB39/544	59.00
19	13-3	Mark E. Heintzman	221/635	51.96
20	13-8	D.H. Lancaster, Jr.	351/288	52.84

FILE NO: 158-54-L-23  
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 MINIMUM DEGREE OF ACCURACY:  
Submeter  
 PROVEN SOURCE OF ELEVATION:  
WVDOT, Harrisville, WV

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 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:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
<u>P: AMP IV, LP Lease</u> AMP IV, LP	Antero Resources Corporation	1/8+	231/747
<u>C: Robert F. &amp; Rita K. Scardina Lease</u> Robert F. & Rita K. Scardina	Antero Resources Corporation	1/8+	235/654
<u>B: Robert F. &amp; Rita K. Scardina Lease</u> Robert F. & Rita K. Scardina	Antero Resources Corporation	1/8+	235/654
<u>A: Robert F. &amp; Rita K. Scardina Lease</u> Robert F. & Rita K. Scardina	Antero Resources Corporation	1/8+	235/654
<u>B: Robert F. &amp; Rita K. Scardina Lease</u> Robert F. & Rita K. Scardina	Antero Resources Corporation	1/8+	235/654
<u>A: Robert F. &amp; Rita K. Scardina Lease</u> Robert F. & Rita K. Scardina	Antero Resources Corporation	1/8+	235/654
<u>F: BRC Appalachian Minerals I, LLC Lease</u> BRC Appalachian Minerals I, LLC BRC Working Interest Company LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties, Inc SWN Exchange Titleholder LLC SWN Production Company LLC Antero Exchange Properties	BRC Working Interest Company LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties, Inc SWN Exchange Titleholder LLC SWN Production Company LLC Antero Exchange Properties Antero Resources Corporation	1/8 Assignment Assignment Assignment Merger Assignment Merger	369/300 369/784 378/764 470/668 9/404 544/242 525/315
<u>E: Earl K. Grimes, et ux Lease</u> Earl K. Grimes, et ux John Richmond Gas Corporation of WV John Richmond Jack Holden, Driller-Operator Nancy J. Holden Triad Hunter, LLC	John Richmond Gas Corporation of WV John Richmond Jack Holden, Driller-Operator Nancy J. Holden Triad Hunter, LLC Antero Resources Corporation	1/8 Assignment Assignment Assignment Assignment Assignment Assignment	210/296 211/149 212/270 212/315 390/758 402/569 496/776
<u>G: BRC Appalachian Minerals I, LLC Lease</u> BRC Appalachian Minerals I, LLC BRC Working Interest Company LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties, Inc SWN Exchange Titleholder LLC SWN Production Company LLC Antero Exchange Properties	BRC Working Interest Company LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties, Inc SWN Exchange Titleholder LLC SWN Production Company LLC Antero Exchange Properties Antero Resources Corporation	1/8 Assignment Assignment Assignment Merger Assignment Merger	369/300 369/784 378/764 470/668 9/404 544/242 525/315

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
<b><u>E: Earl K. Grimes, et ux Lease</u></b>			
Earl K. Grimes, et ux	John Richmond	1/8	210/296
John Richmond	Gas Corporation of WV	Assignment	211/149
Gas Corporation of WV	John Richmond	Assignment	212/270
John Richmond	Jack Holden, Driller-Operator	Assignment	212/315
Jack Holden, Driller-Operator	Nancy J. Holden	Assignment	390/758
Nancy J. Holden	Triad Hunter, LLC	Assignment	402/569
Triad Hunter, LLC	<b>Antero Resources Corporation</b>	<b>Assignment</b>	<b>496/776</b>
<b><u>I: BRC Appalachian Minerals I, LLC Lease</u></b>			
BRC Appalachian Minerals I, LLC	BRC Working Interest Company LLC	1/8	369/300
BRC Working Interest Company LLC	Chesapeake Appalachia, LLC	Assignment	369/784
Chesapeake Appalachia, LLC	Statoil USA Onshore Properties, Inc	Assignment	378/764
Statoil USA Onshore Properties, Inc	SWN Exchange Titleholder LLC	Assignment	470/668
SWN Exchange Titleholder LLC	SWN Production Company LLC	Merger	9/404
SWN Production Company LLC	Antero Exchange Properties	Assignment	544/242
Antero Exchange Properties	<b>Antero Resources Corporation</b>	<b>Merger</b>	<b>525/315</b>
<b><u>H: Breck Minerals, LP Lease</u></b>			
Breck Minerals, LP	<b>Antero Resources Corporation</b>	1/8+	306/62
<b><u>K: Ethan A. &amp; Marsh L. Riffle, JTWROS Lease</u></b>			
Ethan A. & Marsh L. Riffle, JTWROS	<b>Antero Resources Corporation</b>	1/8+	236/369
<b><u>L: Blanche B. Bailey &amp; Shelby R. Bailey Lease</u></b>			
Blanche B. Bailey & Shelby R. Bailey	Triad Hunter, LLC	1/8	380/210
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
SWN Production Company	<b>Antero Resources Corporation</b>	<b>Assignment</b>	<b>235/291</b>
<b><u>M: Charles R. Jobes Lease</u></b>			
Charles R. Jobes	EOG Resources, Inc	1/8	353/284
EOG Resources, Inc	PC Exploration, Inc	Assignment	357/210
PC Exploration, Inc	Phillips Exploration, Inc	Merger	WVSOS
Phillips Exploration, Inc	Chesapeake Appalachia, LLC	Assignment	375/312
Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc	Assignment	381/524
Statoil USA Onshore Properties Inc	Antero Exchange Properties	Assignment	544/291
Antero Exchange Properties	<b>Antero Resources Corporation</b>	<b>Merger</b>	<b>525/315</b>

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Blanche B. Bailey & Shelby R. Bailey	Triad Hunter, LLC	1/8	380/210
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
SWN Production Company	Antero Resources Corporation	Assignment	235/291
<b><u>N: Melodee A. Matheny Lease</u></b>			
Melodee A. Matheny	Antero Resources Corporation	1/8+	557/713

\*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

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**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
<u>/O: Heritage Resources -- Marcellus, LLC Lease</u>	Heritage Resources --Marcellus, LLC	Antero Resources Corporation	1/8+	640/592

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**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

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