

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

Monday, August 7, 2023 PERMIT MODIFICATION APPROVAL Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET

DENVER, CO 80202

Permit Modification Approval for TANGERINE UNIT 1H

47-095-02866-00-00

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.

Operator's Well Number: TANGERINE UNIT 1H

Farm Name: DAVID E BOWYER

U.S. WELL NUMBER: 47-095-02866-00-00 Horizontal 6A New Drill

Date Modification Issued: 08/07/2023

Promoting a healthy environment.

API NO. 47- 095	- 02866		
OPERATOR !	WELL NO.	Tangerine Unit 1H MOD	1
Well Pad Na			,

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

1) Well Operator: Antero Resources Corporal 494507062 095 - Tyler Lincoln Paden City 7	
Operator ID	.5'
2) Operator's Well Number: Tangerine Unit 1H MOD / Well Pad Name: Dry Run Pad	
3) Farm Name/Surface Owner: David E. Bowyer Public Road Access: Dry Run Road	
4) Elevation, current ground: 1007' Elevation, proposed post-construction:	
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: 6700' TVD, Anticipated Thickness- 55 feet, Associated Pressure- 2850#	
8) Proposed Total Vertical Depth: 6700' TVD	
Oll and o	
AUG 07 2020	-
11) Proposed Horizontal Leg Length: 16013.1' 12) Approximate Fresh Water Strata Dontho: 382'	-
12) Approximate Fresh Water Strata Depths: 382'	
13) Method to Determine Fresh Water Depths: 47095002750000 Offset well records. Depths have been adjusted according to surface eleval	
14) Approximate Saltwater Depths: 1653'	tions.
15) Approximate Coal Seam Depths: None Anticipated	
16) Approximate Depth to Possible Void (coal mine, karst, other): None Anticipated	
7) Does Proposed well location contain coal seams lirectly overlying or adjacent to an active mine? Yes No X	
(a) If Yes, provide Mine Info: Name:	
Depth:	
Seam:	
Owner:	

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API NO. 47-_095 __ 02866

OPERATOR WELL NO. Tangerine Unit 1H MOD
Well Pad Name: Dry Run Pad

18)

CASING AND TUBING PROGRAM

TYPE	T	New	T			1	
	Size (in)	or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well	Fill-up
Conductor	20"	New	H-40	79#	100'	(ft)	(Cu. Ft.)/CTS
Fresh Water	13-3/8"	New	J/K-55			100'	CTS, 96 Cu. Ft.
Coal				54.5#	570'	570'	CTS, 594 Cu. Ft.
	9-5/8"	New	J-/K55	36#	2500'		CTS, 1018 Cu. Ft.
Intermediate						2000	C15, 1018 Cu. Ft.
Production	5-1/2"	New	P-110CY	20#	000001		
Tubing	2-3/8"				26200'	26200'	CTS, 5674 Cu. Ft.
	2-3/0	New	N-80	4.7#			
Liners							

TYPE			Wall	T			
0 1	Size (in)	Wellbore Diameter (in)	Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield
Conductor	20"	24"	0.375"	2250	50		(cu. ft./k)
Fresh Water	13-3/8"	17-1/2"	0.38"		1	Class A/L	~1.18
Coal	0.5/01			2730	1000	Class A/L	~1.18
Intermediate	9-5/8"	12-1/4"	0.352"	3520	1500	Class A/L	~1.18
Production	E 4100	0.0///					
	5-1/2"	8-3/4" & 8-1/2"	0.415"	14,360	2500	Class G/H	- 4.0
Tubing	2-3/8"	4.778"	0.19"		2000	Class G/II	~1.8
Liners			0.10	11,200			

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1

Page 2 of 3

08/11/2023

WW-6B (10/14)

API NO. 47-095 - 02868

OPERATOR WELL NO. Tangerine Unit 1H MOD Well Pad Name: Dry Run Pad

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

Drill a new horizontal shallow well into the Marcellus Shale.

*Antero will be air drilling the fresh water string which makes it difficult to determine when fresh water is encountered. Therefore, we have built in a buffer for the casing setting depth which helps to ensure

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

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

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 22.58 acres
- 22) Area to be disturbed for well pad only, less access road (acres): 9.70 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

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 G/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.

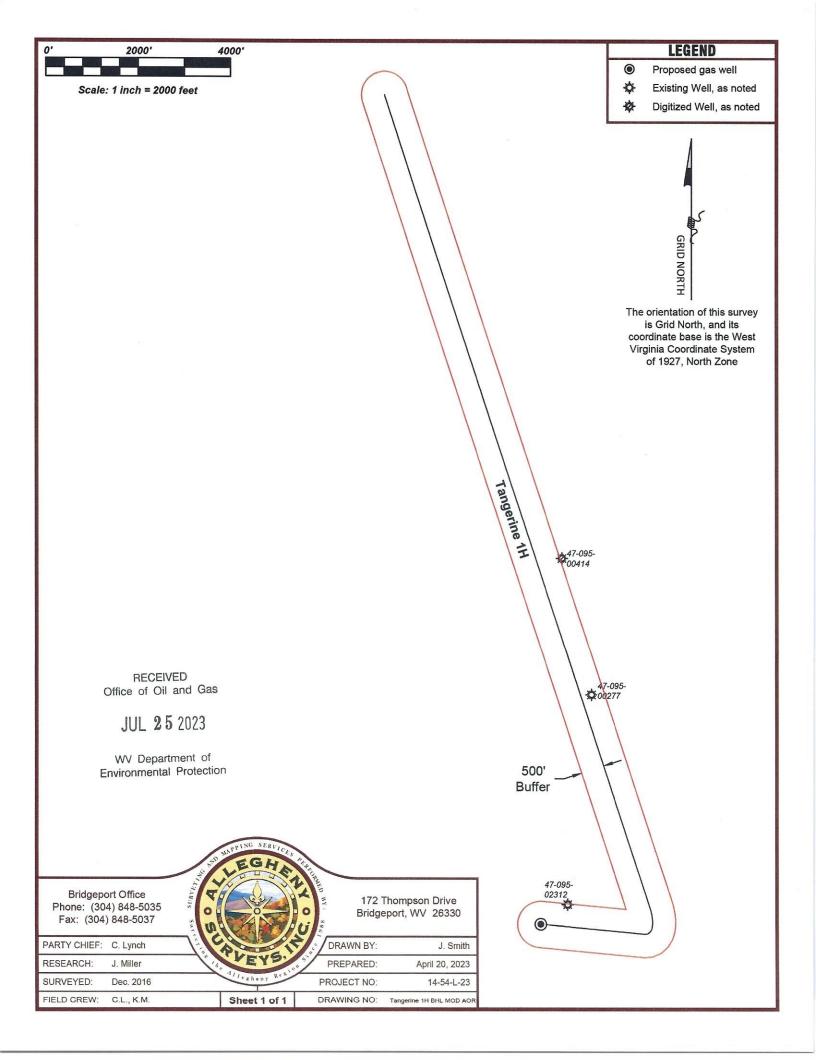
Intermediate: blowhole clean with air, trip to surface casing shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate 40 bbls brine water followed by 10 bbls fresh water and 25 bbls bentonite mud, pump 10 bbls fresh water.

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.

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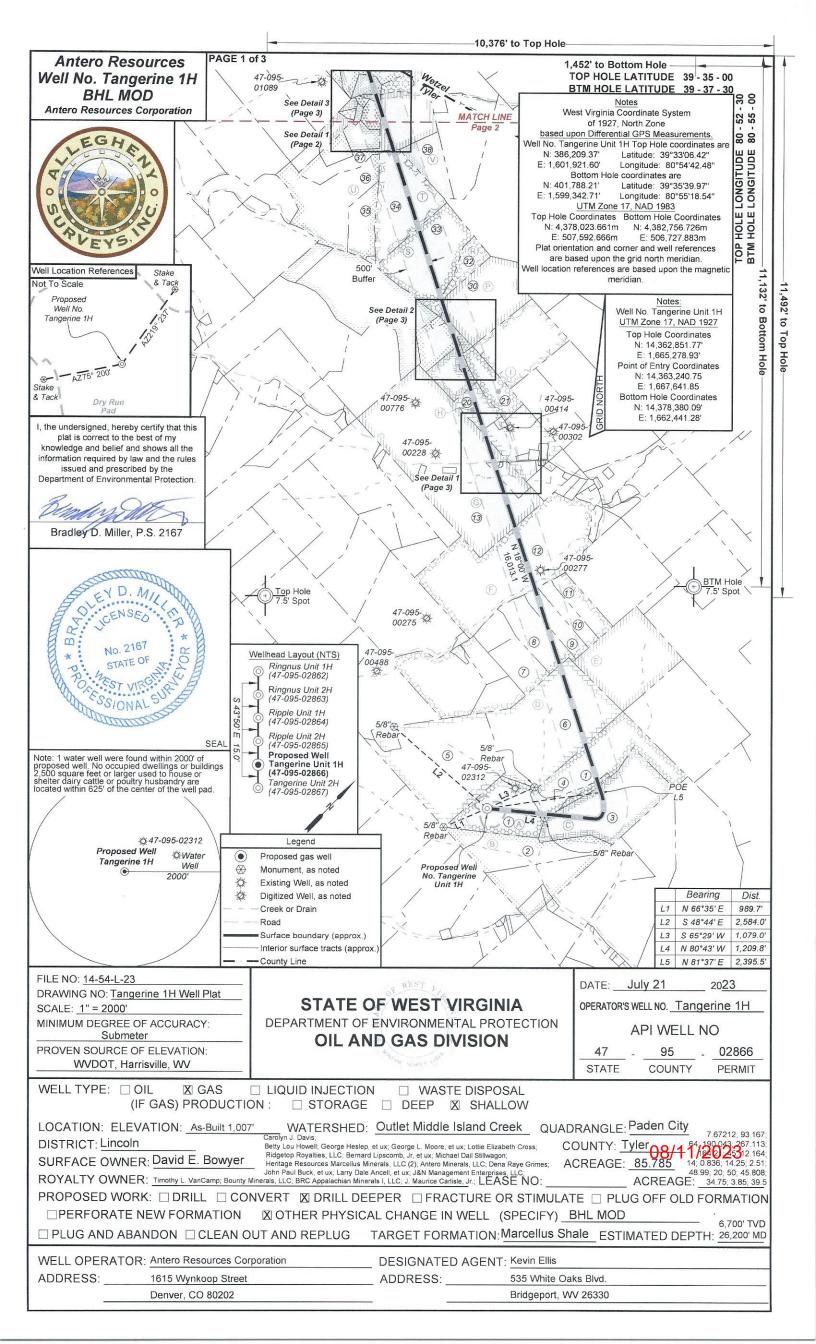


(APINum)	Well Name	Well Number	Operator	Historical Operator	TD	Perforated Interval (shallowest, deepest)	Perforated Formation(s)	Producible Formation(s) not perf'd
0002770000	J S BUCK HEIRS	1	CANON OIL	CANON OIL	2,900		Devonian	Berea, Weir, Alexander
004140000	H HESLEP	1	ANTERO RESOURCES CORP	MAREVE OIL	3,000	2057 - 2593	Berea, Gantz, Fifth	Weir, Alexander
023120000	SCRUB OAK	1 V-1	BOWYER DAVID	ALLIANCE PETR CORP	5,401	4684 - 5212	Big Injun, Benson, Alexander, Rhinestreet	Weir

RECEIVED Office of Oil and Gas

JUL 25 2023

WV Department of Environmental Protection

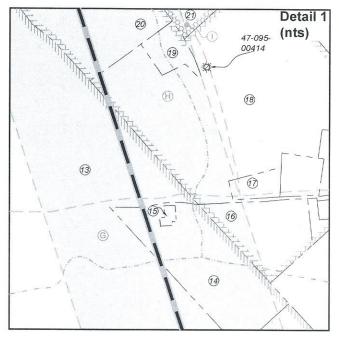


Antero Resources Well No. Tangerine 1H **BHL MOD**

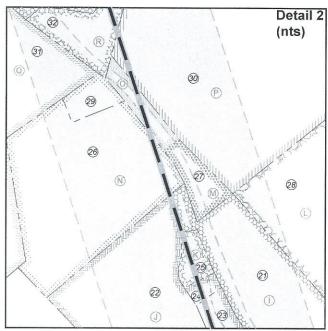
Antero Resources Corporation

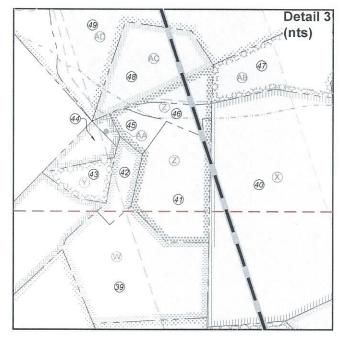






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FILE NO: 14-54-L-23 DRAWING NO: Tangerine 1H Well Plat SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY:

Submeter

PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

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

WEST

DATE: July 21 2023 OPERATOR'S WELL NO. Tangerine 1H

API WELL NO

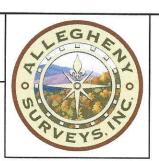
- 95 - 02866 COUNTY PERMIT 47

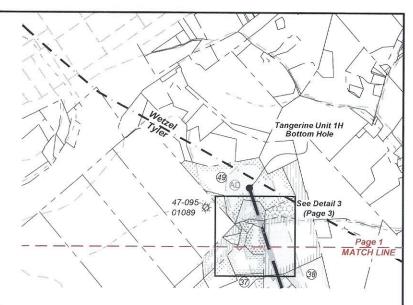
	242.417	STATE COUNTY FERMIT
WELL TYPE: ☐ OIL ☒ GAS (IF GAS) PRODUCTION	□ LIQUID INJECTION □ WASTE DISPOSAL DN: □ STORAGE □ DEEP ☒ SHALLOW	
LOCATION: ELEVATION: As-Built 1,007 DISTRICT: Lincoln SURFACE OWNER: David E. Bowyer ROYALTY OWNER: Timothy L. VanCamp; Bounty N	Carolyn I Davis	ADRANGLE: Paden City COUNTY: Tyler 08/1 1/20 25 3.167; ACREAGE: 85./85 14.895 20; 50; 45.808; ACREAGE: 34.75; 3.85; 39.5
PROPOSED WORK: ☐ DRILL ☐ COI	NVERT 🛮 DRILL DEEPER 🗆 FRACTURE OR STIMUL	ATE ☐ PLUG OFF OLD FORMATION
PERFORATE NEW FORMATION	☑ OTHER PHYSICAL CHANGE IN WELL (SPECIFY)	BHL MOD 6.700' TVD
☐ PLUG AND ABANDON ☐ CLEAN O	OUT AND REPLUG TARGET FORMATION: Marcellus	Shale ESTIMATED DEPTH: 26,200' MD
WELL OPERATOR: Antero Resources Cor	poration DESIGNATED AGENT: Kevin Ellis	
ADDRESS: 1615 Wynkoop Street	ADDRESS: 535 White (Daks Blvd.
Denver, CO 80202	Bridgeport,	WV 26330

Antero Resources Well No. Tangerine 1H BHL MOD

Antero Resources Corporation

PAGE 2 of 3





ID	TM-Par	Owner	Bk/Pg	Acres
1	9-19	David E. Bowyer	OR16/22	85.79
2	9-31.1	David E. Bowyer	OR16/22	38.04
3	9-21	Thomas K. Brotherton	23/310	64.00
4	9-20	Jason & Jessica Greathouse & Laken Curtis	OR59/513	7.38
5	9-17	Ethan A. & Marsha L. Riffle	323/649	90.04
6	9-18	Michael V. & Debra K. Smith	331/94	100.00
7	9-7.3	Larry G. & Joyce Ann Kaprich	375/254	17.23
8	9-8	Tammy Williams & Alf Riggs	372/134	25.24
9	9-8.1	Steven Wayne & Cynthia Dennis	317/540	13.41
10	9-7.4	Terry L. Nelson, et al	456/828	10.78
11	9-7.2	Robert N. & Rita Paulette Christen	339/333	13.05
12	9-7.1	Carl L & Donna M Yoho	320/456	117.00
13	5-19	John P. & Susan Buck	337/634	159.2
14	5-23	John Paul & Susan Buck	337/634	5.00
15	5-22	Church of Christ	171/13	
16	5-24.6	James G. & Brittany E. Flesher	577/289	3.82
17	5-24.4	Becky L. Anderson	299/173	0.75
18	5-24	Jamie Lee Moore and Cathy Jean Moore	419/556	25.22
19	5-24.2	Todd A. Keller	312/346	1.00
20	5-24.5	Jessica D. & Jonathan L. Moffit	565/511	11.19
21	5-28	Reed J. Davis	175/220	14.00
22	5-29.2	Larry Dale & Kay Lynn Ancell	273/511	11.00
23	5-29.1	Larry & Kay L. Ancell	229/446	1.38
24	5-29	Larry Ancell	WB27 6	
25	5-29.3	Ray T. & Amy S. Fluharty	452/795	0.83
26	5-30	Timothy J. & Miranda Haynes	OR151/407	
27	5-31.1	Ronnie Tate & Ellen Jane Eddy	304/292	6.00
28	5-27	Robert L. Oldham and Cynthia M. Oldham, et al	OR24/300	45.00
29	5-31	Mary Baker Stewart	212/34	1.01
30	5-32	Meghan E. Britton	OR135/173	48.99
31	5-34	Timothy J. & Miranda Haynes	OR151/407	74.50
32	5-33	George L. & Marie Moore	204/45	20.00
33	5-33.1	Judy K. Chichick	437/566	50.00
34	2-15	Karl F. Evans, et al	576/763	45.80
35	5-39	Jason Phillips	OR164/108	16.29
36	5-41	Cheryl W. Cowen, et al	166/56	36.00
37	2-??	Shawn D. & Tara A. Cross	612/75	50.00
38	2-21	Clinton Leasure	512/549	13.88
39	2-10	Shawn D. & Tara A. Cross	612/75	6.50
40	2-18	Bernard Jr. & Ellen Lipscomb	163/177	34.75
41	2-9	Shawn D. & Tara A. Cross	612/75	4.01
42	2-13	Shawn D. & Tara A. Cross	612/75	1.35
43	2-13	Shirley J. Billiter	434/262	1.12
44	2-14.1	Shirley Billiter	215/573	7.13
45	2-14	Shawn D. & Tara A. Cross	612/75	0.92
46	2-17	Todd Hadley & Shawna Moore	OR19/499	0.92
47	2-17	Robert Wayne Cross	282/184	4.46
48	2-19	Robert W. & Jean A. Cross	140000000000000000000000000000000000000	3/1/2/2/2/19/4
	2-0	ROBERT W. & Jean A. Cross	483/582	3.85

	Leases
Α	Timothy L. Vancamp
В	Tamara M. Reynolds
С	Bounty Minerals, LLC
D	BRC Appalachian Minerals I LLC
Е	Robert N. & Rita Paulette Christen
F	J. Maurice Carlisle, Jr.
G	John Paul Buck, et ux
Н	George Heslep, et ux
1	Carolyn J. Davis
J	Larry Dale Ancell, et ux
K	J&N Management Enterprises, LLC
L	Richard A. Slider
M	Mary Evans
N	Heritage Resources - Marcellus Minerals, LLC
0	Antero Minerals, LLC
Р	Dena Raye Grimes
Q	Waco Oil & Gas Co Inc.
R	George L. Moore, et ux
S	Ridgetop Royalties, LLC
Т	Heritage Resources - Marcellus Minerals, LLC
U	Heritage Resources - Marcellus Minerals, LLC
V	Clinton Leasure
W	Rex S. & Tracy Goddard
X	Bernard Lipscomb, Jr., et ux
Υ	Douglas C. Harris, et ux
Z	Lottie Elizabeth Cross
AA	Shirley J. Billiter
AB	Robert W. Cross, et ux
AC	Betty Lou Howell
AD	Michael Dail Stillwagner

FILE NO: 14-54-L-23

DRAWING NO: Tangerine 1H Well Plat

SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY:
Submeter

PROVEN SOURCE OF ELEVATION:

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

OPERATOR'S WELL NO. <u>Tangerine 1H</u>

API WELL NO

DATE: July 21 2023

API WELL NO

WVDOT, Harrisville, WV	SEWER LOUP	STATE COUNTY PERMIT
WELL TYPE: ☐ OIL	□ LIQUID INJECTION □ WASTE DISPOSAL DN: □ STORAGE □ DEEP ☒ SHALLOW	
PROPOSED WORK: ☐ DRILL ☐ CO	WATERSHED: Outlet Middle Island Creek Carolyn J. Davis; Betty Lou Howell; George Heslep, et ux; George L. Moore, et ux; Lottie Elizabeth Cn Ridgetop Royalties, LLC; Bernard Lipscomb, Jr, et ux; Michael Dail Stillwagon; Heritage Resources Marcellus Minerals, LLC (2); Antero Minerals, LLC; Dena Raye John Paul Buck, et ux; Larry Dale Ancell, et ux; J&N Management Enterprises, LLC; Minerals, LLC; BRC Appalachian Minerals I, LLC; J. Maurice Carlisle, Jr.; LEASE N VERT X DRILL DEEPER FRACTURE OR S X OTHER PHYSICAL CHANGE IN WELL (SPE	COUNTY: Tyler 4, 190,043,267,113, Grimes; ACREAGE: 85.785 14, 08.36, 14.25, 2.51, 48.99,20, 50, 45.808, ACREAGE: 34.75, 3.85, 39.5 TIMULATE PLUG OFF OLD FORMATION ECIFY) BHL MOD
WELL OPERATOR: Antero Resources Cor	poration DESIGNATED AGENT: Kev	vin Ellis
ADDRESS: 1615 Wynkoop Street	ADDRESS: 535	5 White Oaks Blvd.
Denver, CO 80202	Brid	dgeport, 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
	A: Timothy L. VanCamp Lease			
1	Timothy L. VanCamp	Chesapeake Appalachia, LLC	1/8	354/704
	Chesapeake Appalachia, LLC	Statoil USA Onshore Properties, Inc	Assignment	423/152
	Statoil USA Onshore Properties, Inc	EQT Production Company	Assignment	539/239
	EQT Production Company	Antero Resources Corporation	Assignment	134/172
1	C: Bounty Minerals, LLC Lease			
	Bounty Minerals, LLC	Antero Resources Corporation RECEIVED Office of Oil and Gas	1/8+	623/575
1	A: Timothy L. Vancamp Lease			
	Timothy L. VanCamp	Chesapeake Appalachia, LLC IIII 25 2023	1/8	354/704
	Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC Statoil USA Onshore Properties, Inc. UL 25 2023 EOT Production Company	Assignment	423/152
	Statoil USA Onshore Properties, Inc		Assignment	539/239
	EQT Production Company	Antero Resources Corporation WV Department of Environmental Protection	Assignment	134/172
	D: BRC Appalachian Minerals I LLC Lease	Elivironing		
1	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	Antero Resources Corporation	Merger	525/315
,	F: J. Maurice Carlisle Jr. Lease			
1	J. Maurice Carlisle, Jr	Antero Resources Corporation	1/8+	229/723
1	G: John Paul Buck, et ux Lease			
	John Paul Buck, et ux	Antero Resources Corporation	1/8+	233/447
1	H: George Heslep, et ux Lease			
1	George Heslep, et ux	Joseph S. Gruss	1/8	176/240
	Joseph S. Gruss	Mareve Oil Corp, Evmar Oil Corp, Jogruss Oil Corp,	Assignment	176/502
	Mareve Oil Corp, Evmar Oil Corp, Jogruss Oil Corp,	Jomacare Inc	Assignment	200/152
	Jomacare Inc	Quaker State Oil Refining Corporation	Name Change	WVSOS
	Quaker State Corporation	Quaker State Corporation	Assignment	311/584
	Belden and Blake Corporation	Belden and Blake Corporation	Assignment	321/340
	Peake Energy, Inc	Peake Energy, Inc	Name Change	8/702
	North Coast Energy Eastern Inc	North Coast Energy Eastern, Inc	Name Change	9/80
	EXCO-North Coast Energy Eastern, Inc	EXCO- North Coast Energy Eastern, Inc	Name Change	WVSOS
	EXCO Resources	EXCO Resources	Name Change	WVSOS
	EXCO Production Company	Antero Resources Appalachian Corporation	Assignment	417/307
	Antero Resources Appalachian Corporation	Antero Resources Corporation	Merger	557/430
-	K: J&N Management Enterprises, LLC Lease		. 7=	
	J&N Management Enterprises, LLC	Antero Resources Corporation	1/8+	223/540
	J: Larry Dale Ancell, et ux Lease			
	Larry Dale Ancell, et ux	Antero Resources Corporation	1/8+	587/623

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
1: Carolyn J. Davis Lease Carolyn J. Davis	Antero Resources Corporation	1/8+	605/139
/ N: Heritage Resources – Marcellus Minerals, LLC Lease Heritage Resources Marcellus Minerals, LLC	Antero Resources Corporation	1/8+	576/80
/ O: Antero Minerals, LLC Lease Antero Minerals, LLC	Antero Resources Corporation	1/8+	218/581
P: Dena Raye Grimes Lease Dena Raye Grimes	Antero Resources Corporation	1/8+	205/778
R: George L. Moore, et ux Lease George L. Moore, et ux	Antero Resources Corporation	1/8+	253/627
S: Ridgetop Royalties, LLC Lease Ridgetop Royalties, LLC	Antero Resources Corporation	1/8+	181/483
T: Heritage Resources – Marcellus Minerals, LLC Lease Heritage Resources – Marcellus Minerals, LLC	Antero Resources Corporation	1/8+	196/5
X: Bernard Lipscomb, Jr., et ux Lease Bernard Lipscomb, Jr., et ux	Antero Resources Corporation	1/8+	205/487
Z: Lottie Elizabeth Cross Lease Lottie Elizabeth Cross	Antero Resources Corporation	1/8+	261/649
AC: Betty Lou Howell Lease Betty Lou Howell	Antero Resources Corporation	1/8+	205/484

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Office of Oil and Gas

JUL 25 2023

epartment of Environmental Protection

*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.

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)

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Michael Dail Stillwagner Lease				
wiichaei Daii Stillwagner Lease				
	Michael Dail Stillwagner	Antero Resources Corporation	1/8+	245/405

RECEIVED
Office of Oil and Gas

JUL 25 2023

WV Department of Environmental Protection

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 Lech	 	
Its:	Senior Vice President of Land		

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July 24th, 2023

West Virginia Department of Environmental Protection Office of Oil and Gas Attn: Mr. Taylor Brewer 601 57th Street Charleston, WV 25304 Antero Resources 1615 Wynkoop Street Denver, CO 80202 Office 303.357.7310 Fax 303.357.7315

Mr. Brewer:

Antero Resources Corporation (Antero) would like to submit the following permit modifications for approved well on the existing Dry Run Pad: Tangerine Unit 1H (47-095-02866) Expedited.

Attached you will find the following:

- > AOR
- Revised Form WW-6B
- Revised Form WW-6A1
- Revised Mylar Plat

If you have any questions please feel free to contact me at (303) 357-7373.

Thank you in advance for your consideration.

Sincerely,

Carly Marvel Permitting Agent

Antero Resources Corporation

CHECK# 4021439

7,500.00

Enclosures

RECEIVED
Office of Oil and Gas

JUL 25 2023

epartment of Environmental Protection