

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

Austin Caperton, Cabinet Secretary www.dep.wv.gov

Friday, January 8, 2021
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET DENVER, CO 80202

Re: Permit Modification Approval for TYGART 2H

47-095-02722-00-00

Extend Lateral Length, Total Measured Depth, 12600' to 24200'. Updated Leases.

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.

James A. Martin

Operator's Well Number: TYGART 2H

Farm Name: PATRICIA ANN HEINTZMAN

U.S. WELL NUMBER: 47-095-02722-00-00

Horizontal 6A New Drill

Date Modification Issued: 01/08/2021

Promoting a healthy environment.

WW-6B (04/15) API NO. 47- 095 - 02722

OPERATOR WELL NO. Tygart Unit 2H

Well Pad Name: Elk Fork Pad

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

1) Well Operat	tor: Antero	Resources	Corpora	494507062	095 - Tyler	Ellsworth Porters Falls 7.5'
- / War alay	20-00			Operator ID	County	District Quadrangle
2) Operator's V	Well Number	: Tygart Uni	t 2H	Well	Pad Name: Elk F	Fork Pad
3) Farm Name	/Surface Owi	ner: Patricia	Ann Hein	tzman Public I	Road Access: Elk	Fork Road
4) Elevation, c	urrent ground	1: 1126'	El	evation, propos	sed post-construct	ion:
5) Well Type	(a) Gas	X	Oil	U	nderground Stora	
	Other					Office of Oil and Gas
	(b)If Gas	Shallow	X	Deep	P	DEC-2 9 2020
6) Existing Pac	d. Ves or No	Horizontal No	X			WV Department of Environmental Protection
7) Proposed Ta	arget Formati	on(s), Depth			ss and Expected I ociated Pressure-	Pressure(s):
8) Proposed To	otal Vertical	Depth: 700	D' TVD			
9) Formation a	nt Total Verti	cal Depth:	Marcellus	3		
10) Proposed	Total Measur	ed Depth:	24200'			
11) Proposed I	Horizontal Le	eg Length:	15628'			
12) Approxima	ate Fresh Wa	ter Strata De	pths:	125'		
13) Method to	Determine F	resh Water D	epths:	47-095-00269		
14) Approxima	ate Saltwater	Depths: 17	03'			
15) Approxima	ate Coal Sear	n Depths: 5	8'			
16) Approxima	ate Depth to	Possible Voi	d (coal m	ine, karst, other); None Anticipa	ated
17) Does Prop directly overly				ms Yes	No	o x
(a) If Yes, pr	ovide Mine I	nfo: Name				04/2012
		Depth				300 W
		Seam:				1 4 4 5 1 1 ··
		Owne	;		C	No of the second
						Kuto

WW-6B (04/15) API NO. 47- 095 - 02722

OPERATOR WELL NO. Tygart Unit 2H

Well Pad Name: Elk Fork Pad

18)

CASING AND TUBING PROGRAM

ТҮРЕ	Size (in)	New or Used	<u>Grade</u>	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#	90'	90'	CTS, 86 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	300'	300'	CTS, 417 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#	24200'	24200'	6246 Cu. Ft
Tubing	2-3/8"	New	N-80	4.7#			
Liners							

ТҮРЕ	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement <u>Yield</u> (cu. ft./k)
Conductor	20"	24"	0.438"	1530	50	Class A	~1.18
Fresh Water	13-3/8"	17-1/2"	0.38"	2730	1000	Class A	~1.18
Coal	9-5/8"	12-1/4"	0.352"	3520	1500	Class A	~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							

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Office of Oil and Gas

PACKERS

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Kind:	N/A		WV Department of Environmental Protection
Sizes:	N/A		
Depths Set:	N/A		

WW-6B (10/14) API NO. 47- 095 - 02722

OPERATOR WELL NO. Tygart Unit 2H

Well Pad Name: Elk Fork Pad

19) Describe p	rop	ose	l we	l work,	ir	ncl	uding	the c	drilling	g an	d plugging back of any pilot hole:
										••	<u> </u>	•

Drill a new vertical shallow well into the 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): 43.65 acres
- 22) Area to be disturbed for well pad only, less access road (acres): 8.91 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 cement.

Surface: Class A cement with 2-3% calcium chloride and 1/4 lb of flake Intermediate: Class A 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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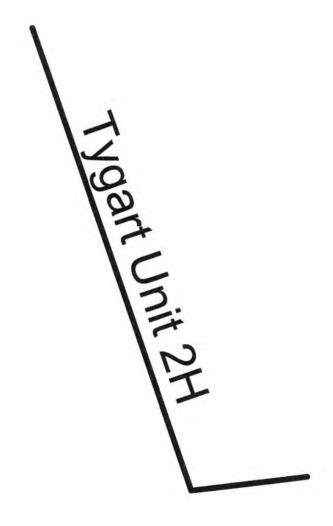
25) Proposed borehole conditioning procedures:

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WV Department of Environmental Protection

^{*}Note: Attach additional sheets as needed.

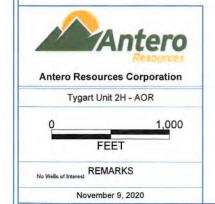




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WV Department of Environmental Protection



Operator's Well Number

Tygart Unit 2H

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
Patricia Ann Heintzman Lease (TM 10 PCL 2)			
Patricia Ann Heintzman	Antero Resources Corporation	1/8+	0594/0309
Patricia Ann Heintzman Lease (TM 10 PCL 21)			
Patricia Ann Heintzman	Antero Resources Corporation	1/8+	0594/0309
John E. Roberts Lease			
John E. Roberts	Stone Energy Corporation	1/8+	0402/0266
Stone Energy Corporation	Antero Resources Corporation	Assignment	0447/0115
Dennis R. Heintzman et ux Lease			
Dennis R. Heintzman et ux	Stone Energy Corporation	1/8+	0397/0726
Stone Energy Corporation	Antero Resources Appalachian Corporation	Assignment	0442/0037
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0557/0430
BRC Appalachian Minerals I LLC Lease (TM 2 PC	L		
8)	escontres pour pour pour se	*********	0378/0764
BRC Appalachian Minerals I LLC	Statoil USA Onshore Properties	Assignment	0539/0239
Statoil USA Onshore Properties EQT Production Company	EQT Production Company Antero Resources Corporation	Assignment Assignment	0663/0001
EQ1 Production Company	Antero Resources Corporation	Assignment	0003/0001
James D. VanCamp et al Lease (TM 3 PCL 32)	V		
James D. VanCamp et al	Antero Resources Appalachian Corporation	1/8+	0404/0380
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0557/0430
Kerry Lemasters et ux Lease			
Kerry Lemasters et ux	Antero Resources Corporation	1/8+	0417/0451
James D. VanCamp et al Lease (TM 3 PCL 28)	/		RECEIVED
James D. VanCamp et al	Antero Resources Appalachian Corporation	1/8+	Office of Oil and Ga9404/0380
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	DEC 2 9 2020
James D. VanCamp et al Lease (TM 3 PCL 28.2)			
James D. VanCamp et al	Antero Resources Appalachian Corporation	1/8+	WV Department of 404/0380 Environmental Protection
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	environmental Protection 0557/0430
James D. VanCamp et al Lease (TM 3 PCL 31)			
James D. VanCamp et al	Antero Resources Appalachian Corporation	1/8+	0404/0380
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0557/0430

^{*}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.

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
James D. VanCamp et al Lease (TM 3 PCL 32)			
James D. VanCamp et al Lease (1W 3 PCL 32)	Antero Resources Appalachian Corporation	1/8+	0404/0380
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0557/0430
James D. VanCamp et al Lease (TM 3 PCL 32.2)			
James D. VanCamp et al	Antero Resources Appalachian Corporation	1/8+	0404/0380
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0557/0430
Sybil Mae Gorby Lease			
Sybil Mae Gorby	Antero Resources Corporation	1/8	0076/0663
James D. VanCamp et al Lease (TM 3 PCL 32.2)	/		
James D. VanCamp et al	Antero Resources Appalachian Corporation	1/8+	0404/0380
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0557/0430
BRC Appalachian Minerals I LLC Lease (TM 2 PC) 8)	L'		
BRC Appalachian Minerals I LLC	Statoil USA Onshore Properties	Assignment	0378/0764
Statoil USA Onshore Properties	EQT Production Company	Assignment	0539/0239
EQT Production Company	Antero Resources Corporation	Assignment	0663/0001
James D. VanCamp et al Lease (TM 3 PCL 33)			
James D. VanCamp et al	Antero Resources Appalachian Corporation	1/8+	0404/0380
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0557/0430

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WV Department of Environmental Protection

WW-6A1 (5/13)

Operator's Well No.	Tygart Unit 2H

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- (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:

Sherry Lynn Chefren Lease	Sherry Lynn Chefren	Antero Resources Corporation	1/8+	0429/0527
Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page

*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.

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

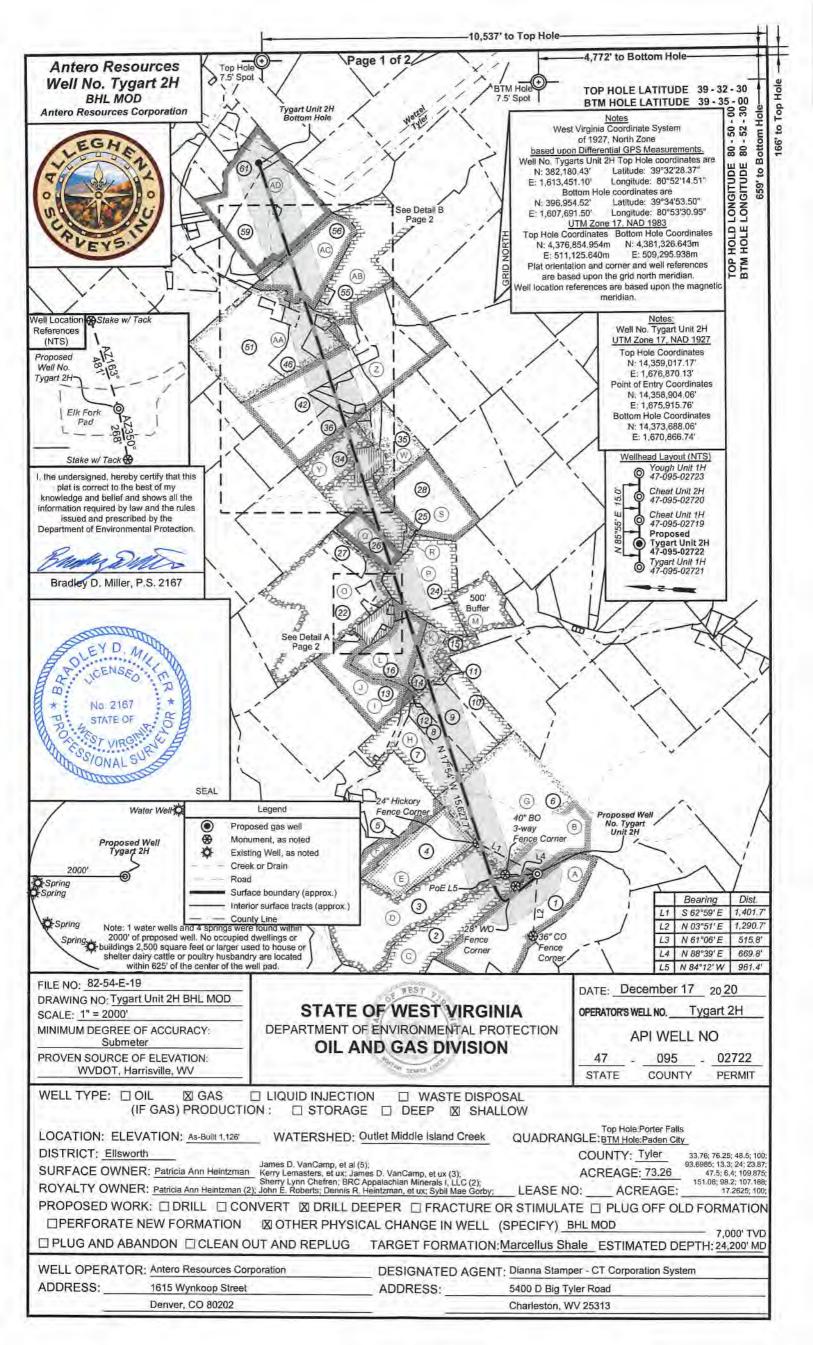
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The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides replaces car of nullifies the need for other permits/approvals that may be necessary and further affirms needed of the need for other permits/approvals that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

Well Operator: Antero Resources Corporation *Co-tenancy utilization - At least 7 By: Tim Rady Its: VP of Land

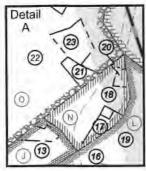
mineral owners in tract. At least 75% of the royalty owners have executed a lease on the tract. The interests of the remaining co-tenants were acquired pursuant to the Co-lenancy Modernization and Majority Protection Act



Antero Resources Well No. Tygart 2H BHL MOD Antero Resources Corporation

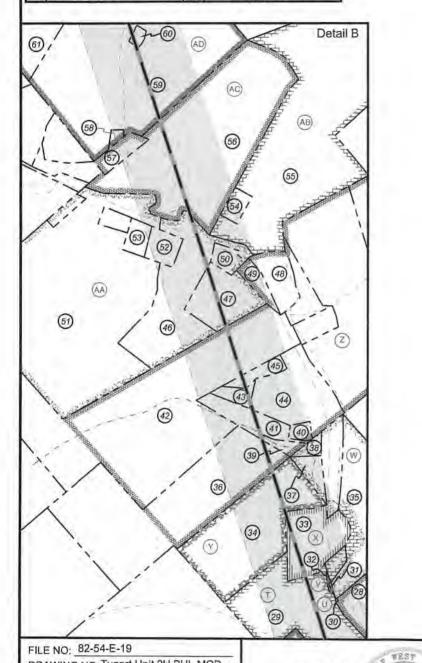
	Lea	ses	
Α	Patricia Ann Heintzman	P	James D. VanCamp, et al
В	Norma Smith	Q	James D.VanCamp, et ux
С	Patricia Ann Heintzman	R	James D.VanCamp, et al
D	John E. Roberts	S	James D. VanCamp, et al
E	Michael Scott Mercer, et ux	Т	James D.VanCamp, et al
F	Richard A. Mercer	U	Stanley Watkins
G	Dennis R. Heintzman, et ux	V	Stanley Watkins
Н	BRC Appalachian Minerals I, LLC	W	BRC Appalachian Minerals I, LLC
1	Waco Oil & Gas Company, Inc.	X	James D.VanCamp, et al
J	James D. VanCamp, et al	Y	Sybil Mae Gorby
K	James D. VanCamp, et al	Z	James D VanCamp, et al
L	Kerry Lemasters, et ux	AA	BRC Appalachian Minerals I, LLC
M	Brenda L. Martin	AB	Lowmax R. Kunkel
N	James D. VanCamp, et al	AC	James D. VanCamp, et ux
0	Kay Christen	AD	Sherry Lynn Chefren







				_
ID	TM/Par	Owner	Bk/Pg	Acres
1	10-2	Patricia Ann Heintzman	W13/384	73.26
2	10-1	Patricia Ann Heintzman	150/15	48.50
3	10-64	John E Roberts	W30/108	100.00
4	6-40	Alan D. Wyke	W40/195	42.20
5	9-13	Richard A. Mercer	321/197	16.00
6	6-36	Dennis & Clista Heintzman	297/640	417.60
7	6-35	Donald E. Forrester	343/381	25.75
8	6-35.1	Stephen & Andriea Knowlton	289/20	13.32
9	6-35.2	Stephen & Andriea Knowlton	224/77	29.02
10	6-35.4	Stephen & Andriea Knowlton	340/412	17.46
11	6-35.3	Stephen & Andriea Knowlton	224/77	3.00
12	6-23.2	Larry R. Henthorn	584/138	1.27
13	6-23	Randali Dennis, et al	W70/660	42.30
14	6-16.2	Stephen J. & Andriea Knowlton	211/375	13.30
15	6-16.3	Michael L. Roberts	407/45	14.81
16	6-16	Kerry & Barbara Lemasters	215/548	33.76
17	6-16.7	Terry Andrew Jackson	388/271	1.23
18	6-16.1	James W. & Geneva Lancaster	443/639	3.44
19	6-16.6	Terry Andrew Jackson	388/271	0.25
20	6-16.8	James W. & Geneva Lancaster	443/639	0.55
21	6-22.1	Charles E. Dennis	348/160	1.25
22	6-22	Patricia Ann Greathouse	W38/671	169.90
23	6-22.2	Roger & Nadine Greathouse	334/770	2.61
24	6-15	James D. VanCamp, et al	W38/144	
25	6-15.1	James D. VanCamp, et ux	174/451	2.28
26	6-14	James D. VanCamp, et al	W38/144	24.00
27	6-22.3	Lucinda J. Greathouse	350/674	10.00
28	6-4	James D. Vancamp, et al	W38/144	46.76
29	6-3	James D. Vancamp, et al	W38/144	23.87
30	6-3.2	Wayne L. Wade	220/322	0.05
31	6-3.3	Wayne L. Wade	220/322	0.03
32	6-3.4	Wayne L, Wade	268/478	0.12
33	6-2	Joel A. Prosser	387/736	6.64
34	6-1	Sybil Gorby	175/265	17.26
35	3-43	Joel A Prosser	387/736	23.62
36	5-1	James D. VanCamp, et al	W38/144	39.00
37	3-43.2	Larry & Kimberly Henthorn	642/513	2.05
38	3-43.1	Janet Johnson	W29/203	0.90
39	3-44.1	Tylor D. Hostuttler	592/109	0.98
40	3-44.2	Gary A & Penny K Midcap	272/632	88.0
41	3-44.4	Tylor D. Hostuttler	592/109	4.00
42	2-11	Rosalie B. Henry	W35/616	61.54
43	3-44.3	Wm J. & Melissa A. Buckhanan	299/515	1.88
44	3-44	Jamie Leigh Parks	337/764	9.86
45	3-44.5	W.J. & Melissa Buchanan	326/348	1.72
46	2-8.4	Jonathan & Mary Belle Pittman	186/170	21.14
47	3-47	Donna & Matthew Cecil	462/582	8.61
48	3-46.1	Pamela R. Nelson-Lansford	328/699	2.96
49	3-46	Vada R Hart	40/469	1.54
50	3-47.1	Jack L. Throck-Morton	462/582	1.33
51	2-8	Jonathan & Mary Belle Pittman	186/170	70.93
52	2-8.5	Stanley G. Pittman	327/751	3.68
53	2-8.3	Teresa A. Morris	343/390	1.82
\rightarrow	2 42 4	Josephine Kunkel	286/75	1.90
54	3-12.1		000,000	57.51
54 55	3-12	Lomax R. Kunkel	297/692	01.01
54 55 56	3-12 3-48	Linda Hoover	356/233	45.00
54 55 56 57	3-12 3-48 2-9	Linda Hoover Linda L. Hoover	356/233 356/233	
54 55 56 57 58	3-12 3-48 2-9 2-1.2	Linda Hoover Linda L. Hoover Donald E. Virden Jr.	356/233 356/233 421/281	45.00 1.57 0.41
54 55 56 57 58 59	3-12 3-48 2-9 2-1.2 2-1.1	Linda Hoover Linda L. Hoover Donald E. Virden Jr. Donald E. Virden, Jr.	356/233 356/233 421/281 421/281	45.00 1.57
54 55 56 57 58	3-12 3-48 2-9 2-1.2	Linda Hoover Linda L. Hoover Donald E. Virden Jr.	356/233 356/233 421/281	45.00 1.57 0.41



DRAWING NO: Tygart Unit 2H BHL MOD

MINIMUM DEGREE OF ACCURACY:

Submeter

PROVEN SOURCE OF ELEVATION:

SCALE: 1" = 2000'

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

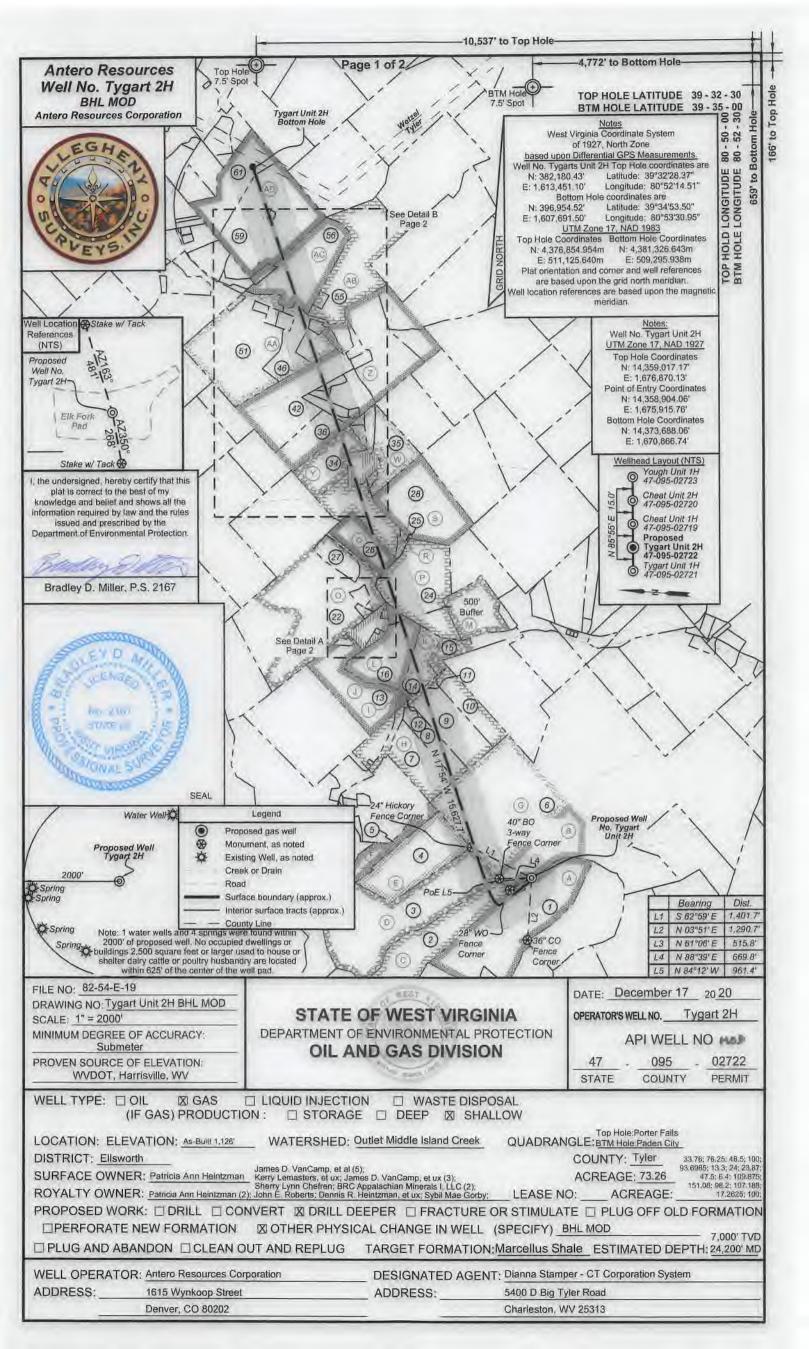
DATE: December 17 20 20 OPERATOR'S WELL NO. Tygart 2H

API WELL NO

- 02722 095

Charleston, WV 25313

WVDOT, Harrisville, WV	ally selected right	STATE COUNTY PERMIT
WELL TYPE: ☐ OIL ☐ GAS (IF GAS) PRODUC	☐ LIQUID INJECTION ☐ WASTE DISP CTION: ☐ STORAGE ☐ DEEP ☒ SHA	
LOCATION: ELEVATION: As-Built 1,12 DISTRICT: Ellsworth SURFACE OWNER: Patricia Ann Heintzm ROYALTY OWNER: Patricia Ann Heintzm PROPOSED WORK: DRILL DRILL PERFORATE NEW FORMATIO PLUG AND ABANDON CLEAN	James D. VanCamp, et al (5); Kerry Lemasters, et ux; James D. VanCamp, et ux (3); Sherry Lynn Chefren; BRC Appalachian Minerals I, LtC (2); an (2); John E. Roberts; Dennis R. Heintzman, et ux; Sybil Mae Gorby; CONVERT DRILL DEEPER FRACTURE N OTHER PHYSICAL CHANGE IN WELL	OR STIMULATE PLUG OFF OLD FORMATION
WELL OPERATOR: Antero Resources ADDRESS: 1615 Wynkoop Str Denver, CO 80202	eet ADDRESS:	T: Dianna Stamper - CT Corporation System 5400 D Big Tyler Road Charleston, WV 25313



Antero Resources Well No. Tygart 2H BHL MOD Antero Resources Corporation

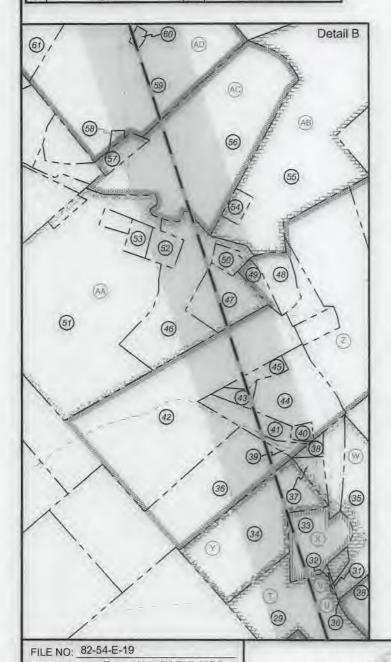
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J	James D. VanCamp, et al	Y	Sybil Mae Gorby
K	James D. VanCamp, et al	Z	James D VanCamp, et al
L	Kerry Lemasters, et ux	AA	BRC Appalachian Minerals I, LLC
M	Brenda L. Martin	AB	Lowmax R, Kunkel
N	James D. VanCamp, et al	AC	James D. VanCamp, et ux.
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-	10	6-35.4	Stephen & Andriea Knowlton	340/412	17.46
П	11	6-35.3	Stephen & Andriea Knowlton	224/77	3.00
I	12	6-23.2	Larry R. Henthorn	584/138	1.27
П	13	6-23	Randall Dennis, et al	W70/660	
J	14	6-16.2	Stephen J. & Andriea Knowlton	211/375	13.30
ı	15	6-16.3	Michael L. Roberts	407/45	14.81
H	16	6-16	Kerry & Barbara Lemasters	215/548	33.76
1	17	6-16.7	Terry Andrew Jackson	388/271	1.23
ı	18	6-16.1	James W. & Geneva Lancaster	443/639	3.44
1	19	6-16.6	Terry Andrew Jackson James W. & Geneva Lancaster	388/271	0.25
1	20	6-16.8	Charles E, Dennis	443/639	0.55
1	21	6-22.1	Patricia Ann Greathouse	348/160	1.25
H	22	6-22	Roger & Nadine Greathouse	W38/671	2.61
1	23	6-22.2	James D. VanCamp, et al	334/770	
н	25	6-15	James D. VanCamp, et ux	W38/144 174/451	47.50 2.28
Н	26	6-15.1	James D. VanCamp, et al	W38/144	
- 1	27		Lucinda J. Greathouse	350/674	10.00
Н	28	6-22.3	James D. Vancamp, et al	W38/144	
н	29	6-3	James D. Vancamp, et al	W38/144	
н	30	6-3.2	Wayne L. Wade	220/322	
и	31	6-3.3	Wayne L. Wade	220/322	0.03
- 1	32	6-3.4	Wayne L. Wade	268/478	0.12
П	33	6-2	Joel A. Prosser	387/736	6.64
	34	6-1	Sybil Gorby	175/265	17.26
п	35	3-43	Joel A Prosser	387/736	23.62
-1	36	5-1	James D. VanCamp, et al	W38/144	
_1	37	3-43.2	Larry & Kimberly Henthorn	642/513	
П	38	3-43.1	Janet Johnson	W29/203	0.90
-1	39	3-44.1	Tylor D. Hostuttler	592/109	0.98
П	40	3-44.2	Gary A & Penny K Midcap	272/632	0.88
-1	41	3-44.4	Tylor D. Hostuttler	592/109	4.00
П	42	2-11	Rosalie B. Henry	W35/616	61.54
	43	3-44.3	Wm J. & Melissa A. Buckhanan	299/515	1.88
1	44	3-44	Jamie Leigh Parks	337/764	9.86
1	45	3-44.5	W.J. & Melissa Buchanan	326/348	1.72
1	46	2-8.4	Jonathan & Mary Belle Pittman	186/170	21.14
	47	3-47	Donna & Matthew Cecil	462/582	8.61
	48	3-46.1	Pamela R. Nelson-Lansford	328/699	2.96
	49	3-46	Vada R Hart	40/469	1.54
	50	3-47.1	Jack L. Throck-Morton Jonathan & Mary Belle Pittman	462/582	1.33
1	51	2-8	Stanley G. Pittman	186/170	70.93
1	52	2-8.5	Teresa A. Morris	327/751	3.68
	53	2-8.3	Josephine Kunkel	343/390	1.82
1	55	3-12.1	Lomax R. Kunkel	286/75 297/692	57.51
I	56	3-12	Linda Hoover	356/233	45.00
	57	2-9	Linda L. Hoover	356/233	1.57
1	58	2-1.2	Donald E. Virden Jr.	421/281	0.41
1	59	2-1.2	Donald E. Virden, Jr.	421/281	68.20
	60	2-1.3	Lou Ann & Donald E. Virden Jr.	325/907	0.55
		to the state of	CONTRACTOR OF THE PROPERTY OF	LAPPIOU!	U.UU
ı	61	2-1	Donald E. Virden, Jr.	421/281	30.84



DRAWING NO: Tygart Unit 2H BHL MOD

Denver, CO 80202

MINIMUM DEGREE OF ACCURACY:

Submeter

PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

SCALE: 1" = 2000'

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

DATE: December 17 20 20 OPERATOR'S WELL NO. Tygart 2H API WELL NO 47 - 095 - 02722 STATE COUNTY PERMIT

Charleston, WV 25313

		1,02		
WELL TYPE: ☐ OIL ☒ GAS (IF GAS) PRODUCTIO		TE DISPOSAL SHALLOW		
LOCATION: ELEVATION: As-Built 1,126	WATERSHED: Outlet Middle Islan	d Creek QUADRANGL	Top Hole:Porter Falls E:BTM Hole:Paden City	: <u>L</u>
DISTRICT: Ellsworth		C	OUNTY: Tyler	33.76; 76.25; 48.5; 100;
SURFACE OWNER: Patricia Ann Heintzman	James D. VanCamp, et al (5); Kerry Lemasters, et ux; James D. VanCamp, et ux		CREAGE: 73.26	93.6985; 13.3; 24; 23.87; 47.5; 6.4; 109.875;
ROYALTY OWNER: Patricia Ann Heintzman (2	Shorry Lynn Chafron: DDC Appalachian Minasala	11000	ACREAGE:	151.08; 98.2; 107.188; 17.2625; 100;
PROPOSED WORK: ☐ DRILL ☐ COI			☐ PLUG OFF OL	D FORMATION
□PERFORATE NEW FORMATION				
			AND THE PERSON ASSESSMENT OF PRINCIPLE OF	7,000' TVD
☐ PLUG AND ABANDON ☐ CLEAN O	UT AND REPLUG TARGET FOR	MATION: Marcellus Shale	_ESTIMATED DE	EPTH: 24,200' MD
WELL OPERATOR: Antero Resources Cor	poration DESIGNATE	D AGENT: Dianna Stamper -	CT Corporation Syst	em
ADDRESS: 1615 Wynkoop Street	ADDRESS:	5400 D Big Tyler I	Road	