

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, December 20, 2019 PERMIT MODIFICATION APPROVAL Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET

DENVER, CO 80202

Re:

Permit Modification Approval for FETTY UNIT 2H

47-095-02635-00-00

Modified Lateral Length for a TMD 21,600'.

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

Chief

Operator's Well Number: FETTY UNIT 2H

Farm Name: RIDGETOP CAPITAL LP

U.S. WELL NUMBER: 47-095-02635-00-00

Horizontal 6A New Drill

Date Modification Issued: December 20, 2019

Promoting a healthy environment.

WW-6B (04/15) API NO. 47- 095 - 02635 COD OPERATOR WELL NO. Fetty Unit 2H
Well Pad Name: Gamehenge Pad

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

1) Well Operator: Antero Reso		4507062	095 - Tyler		Paden City 7.5'	
	О	perator ID	County	District	Quadrangle	
2) Operator's Well Number: Fet	ty Unit 2H	Well Pac	d Name: Game	ehenge Pa	d	
3) Farm Name/Surface Owner:	Ridgetop Capital, L	Public Roa	ad Access: Stat	te Ridge Ro	oad	
4) Elevation, current ground:	1052' Elevat	ion, proposed	post-constructi	on: ~1026	1	
5) Well Type (a) Gas X	Oil	Und	erground Storag	ge		
Other					(
(b)If Gas Shall	llow X	Deep				
Hor	izontal X					
6) Existing Pad: Yes or No No			_			
7) Proposed Target Formation(s) Marcellus Shale: 7000' TVD, A				. ,		
8) Proposed Total Vertical Depth	1: 7000' TVD					
9) Formation at Total Vertical D						
10) Proposed Total Measured De	epth: 21600' MD					
11) Proposed Horizontal Leg Lea	ngth: 11403'					
12) Approximate Fresh Water St	rata Depths: 36	3'				
13) Method to Determine Fresh	Water Depths: Offset	t well records. De	pths have been ad	justed accordi	ing to surface elevations.	
14) Approximate Saltwater Dept	hs: 1093'					
15) Approximate Coal Seam Dep	oths: 550'					
16) Approximate Depth to Possi	ole Void (coal mine,	karst, other):	None Anticipa	ted		
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:					
RECEIVED	Seam:					
Office of Oil and Gas	Owner:					

NOV 2 2 2019

WV Department of Environmental Protection WW-6B (04/15) API NO. 47- 095 - 02635 MDV OPERATOR WELL NO. Fetty Unit 2H

Well Pad Name: Gamehenge 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#	80	80	CTS, 77 Cu. Ft.
Fresh Water	13-3/8"	New	J-55	54.5#	413 *see # 19	413 *see # 19	CTS, 574 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#	21600	21600	5532 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	~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		×					

PACKERS

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

Office of Oil and Gas

NOV 2 2 2019

WV Department of Environmental Protection WW-6B (10/14) API NO. 47- 095

- 02635 MDD

OPERATOR WELL NO. Fetty Unit 2H

Well Pad Name: Gamehenge Pad

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

Drill, perforate, fracture a new horizontal shallow well and complete 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 that all fresh water zones are covered.

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): 60.16 acres
- 22) Area to be disturbed for well pad only, less access road (acres): 11.76 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

25) Proposed borehole conditioning procedures:

Conductor: blowhole clean with air, run casing, 10 bbls fresh water.

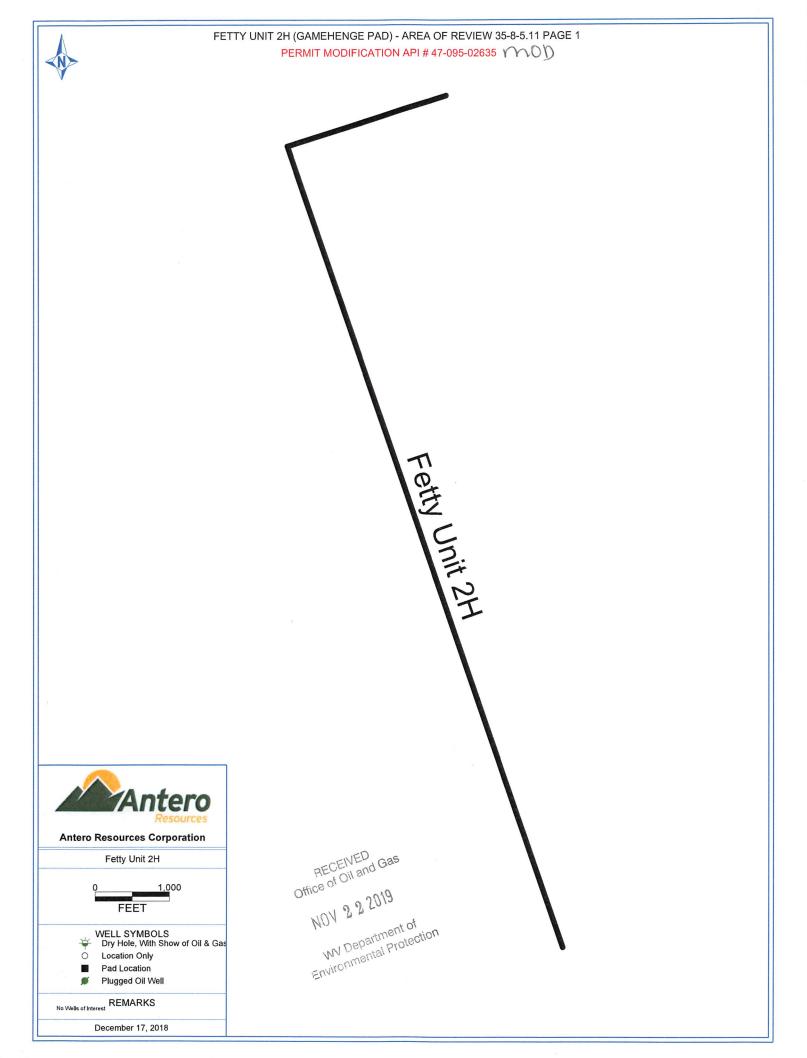
Surface: blowhole clean with air, trip to conductor shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate pipe capacity + 40 bbls fresh water followed by 25 bbls bentonite mud, 10 bbls fresh water spacer.

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.

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



WW-6A1 (5/13)

O	perator's	Well No.	Fetty Unit 1H	

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 Levi Pelikan Lease

Levi Pelikan

Antero Resources Corporation

1/8+

0646/0092

*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

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

RECEIVED
Office of Oil and Gas

Well Operator: Antero Resources Corporation

Tim Rady

Its: VP of Land

NOV 2 2 2019

WV Department of Environmental Protection Page 1 of 1

Operator's Well Number

Fetty Unit 1H

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	Grantor, lessor, etc.	Grantee, lessee, e	etc.			Royalty	Book/Page
	omi V. Beagle <u>Lease</u> omi V. Beagel	Antero Resources Corporation				1/8+	0535/0464
	ott Denomme et ux Lease (TM 14 PCL 1) ott Denomme et ux	Antero Resources Corporation				1/8+	0535/0187
	ott Denomme et ux Lease (TM 14 PCL 3.1) ott Denomme et ux	Antero Resources Corporation				1/8+	0535/0187
	ott Denomme et ux Lease (TM 14 PCL 4) ott Denomme et ux	Antero Resources Corporation				1/8+	0535/0187
100	yd M. & Patricia L. Parr et ux Lease yd M. & Patricia L. Parr et ux	Antero Resources Corporation				1/8+	0417/0702
100	thaniel Hendricks <u>Lease</u> thaniel Hendricks	Antero Resources Corporation				1/8+	0619/0372
	<mark>ger Carl Ferrell Lease</mark> ger Car <mark>l</mark> Ferrell	Antero Resources Corporation				1/8+	0531/0491
	<mark>a A. George Lease</mark> a A. George	Antero Resources Corporation				1/8+	0436/0416
	<mark>bert Glover et ux Lease</mark> bert Glover et ux	Antero Resources Corporation	m	¥		1/8+	0613/0505
010	Exploration Lease Exploration	Antero Resources Corporation	WV De	VOV	RE Office of	1/8	0672/0105
Ne	<mark>il A. Archer Lease</mark> il A. Archer illip Wells et ux Lease	Antero Resources Corporation	WV Department of Environmental Protection	NOV 2 2 2019	RECEIVED Office of Oil and Gas	1/8+	0544/0423
	illip Wells et ux	Antero Resources Corporation	on			1/8+	0601/0107

^{*}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.

Operator's Well Number

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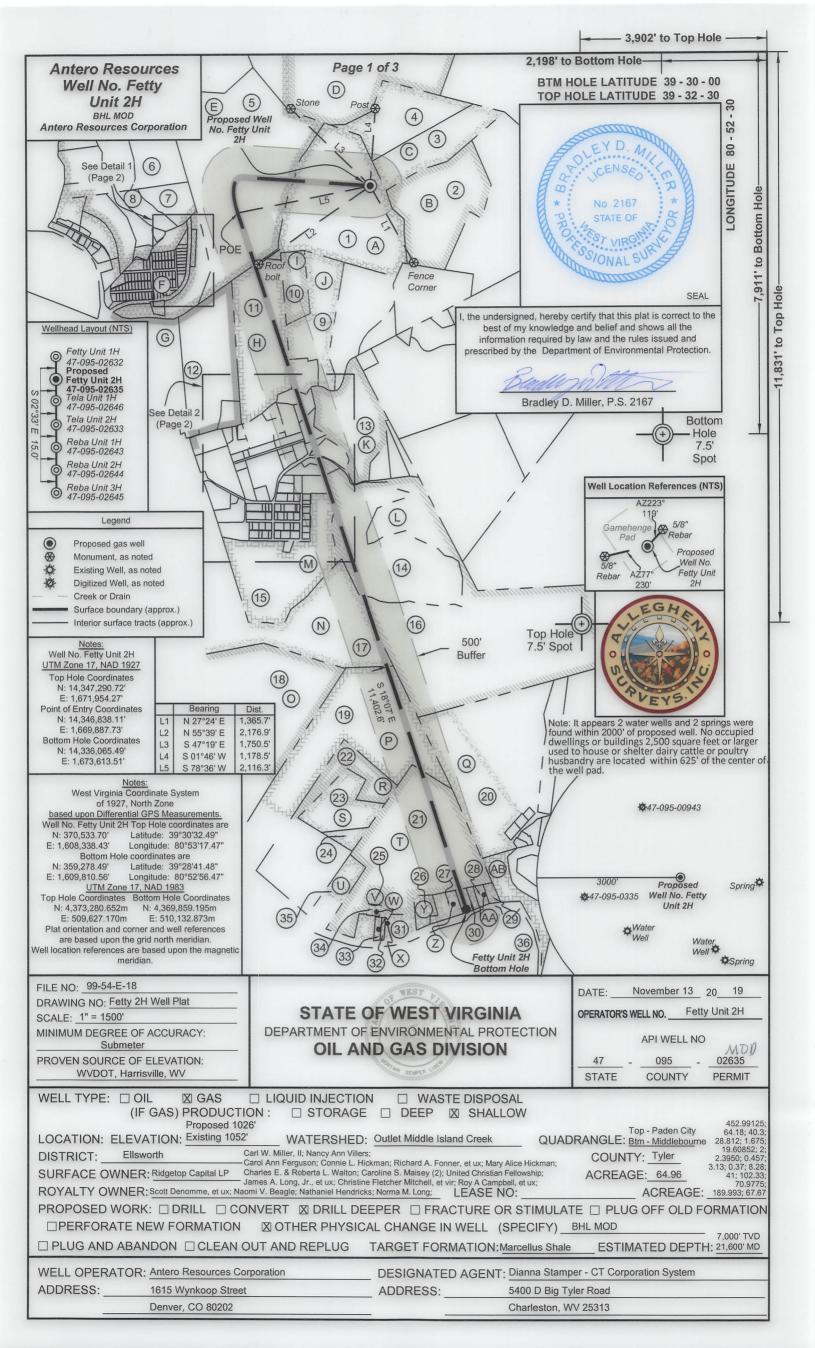
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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
Charles L. Swan Lease			
Charles L. Swan	Antero Resources Corporation	1/8+	0545/0114
Timothy J. Fletcher Lease			
Timothy J. Fletcher	Antero Resources Corporation	1/8+	0544/0358
Janice Licht Lease		. (0	0000/0000
Janice Licht	Antero Resources Corporation	1/8+	0612/0767
Craig A. Kelley Lease Craig L. Kelley	Antero Resources Corporation	1/8+	0408/0379
Craig L. Nelley	Aftero Resources Corporation	1/07	0408/0379
Connie L. Hickman Lease Connie L. Hickman	Antero Resources Appalachian Corporation	1/8+	0408/0448
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	Exhibit 1
Richard A. Fonner et ux Lease			
Richard A. Fonner et ux	Antero Resources Corporation	1/8+	0634/0341
William M. Baker et ux Lease			
William M. Baker et ux	Antero Resources Corporation	1/8+	0456/0522
Mary A. Hickman Lease (TM 20 PCL 55)			
Mary A. Hickman Antero Resources Appalachian Corporation	Antero Resources Appalachian Corporation Antero Resources Corporation	1/8+ Name Change	0436/0117 Exhibit 1
	,		
Mary A. Hickman Lease (TM 20 PCL 56) Mary A. Hickman	Antero Resources Appalachian Corporation	1/8+	0408/0311
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	Exhibit 1
Lance M. Hickman Lease			
Lance M. Hickman	Antero Resources Corporation	1/8+	0408/0450
Nancy Ann Villers Lease			
Nancy Ann Villers	Antero Resources Appalachian Corporation	1/8+	0397/0468
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0557/0430

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Office of Oil and Gas

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MA/ Department of Environmental Protection

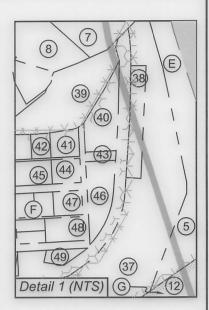


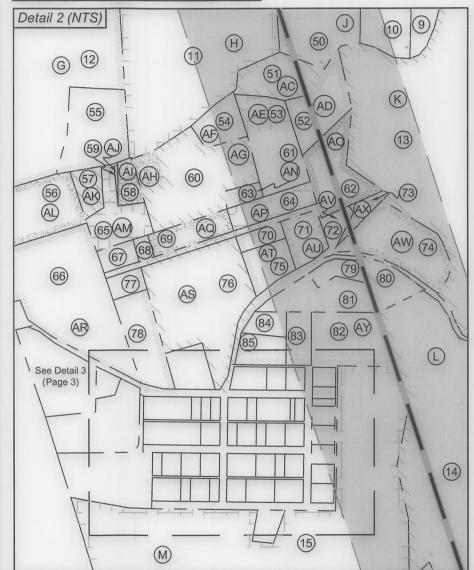
Antero Resources Well No. Fetty Unit 2H BHL MOD

	Antero	Resources Corporation	on	
ID	TM/Par	Owner	Bk/Pg	Acres
1	14-27	Ridgetop Capital, LP	372/299	64.96
2	15-19	Mendenhall, et al	282/723	45
3	15-18	Turner	398/670	26.18
4	14-26	Turner	396/670	26.34
5	14-24	Ridgetop Capital, LP	372/299	124.76
	100000000000000000000000000000000000000	Brookover		100000000000000000000000000000000000000
6	14-20.1		346/29	13.46
7	14-23	Brookover	327/749	6.88
8	14-22	Caroll	294/535	5.02
9	14-60	Long	333/188	23.99
10	14-58	Newbrough	WB36/617	10.31
11	14-57	Cochran	344/251	40.30
12	14-56.1	Parr	358/643	35.33
13	14-76	Wince	392/489	30.61
14	21-1	Pierce	394/517	55.72
15	20-10	Hickman, et al	341/209	41
16	21-1.1	Fritz	357/660	134.28
17	20-33	Hickman	396/561	77.84
18	20-54	Baker	175/391	100.45
19	20-55	Hickman	AR36/289	71.34
20	21-26	Leasure	378/724	30
21	20-62	Villers & Eskew	WB44/598	67.67
22	20-56	Hickman	152/16	14.96
23	20-56.1	Hickman	395/85	16.405
24	20-56.2	Hickman	438/814	2.95
25	20-66	Hoover	313/120	1.0
26	21-39	Baker Estate	WB25/248	3.15
27	21-37	Fletcher	WB35/614	3.86
28	21-36	Spencer	WB12/126	2.06
			The second secon	
29	21-35	Gregg	374/630	0.72
30	21-38	Fletcher	WB35/614	0.75
31	20-65.1	Sutler	273/557	1.58
32	21-63	Sutler	229/658	0.44
33	20-82	Sutler	211/449	0.7
34	20-62.1	Sutler	287/509	0.83
35	20-65	Ashley	509/105	6.85
36	26-46	Jay-Bee Prod. Co.	420/97	286.039
37	14A-29	Weekley	299/300	13
38	14A-29.1	Mensore JC Distribution	285/213	1.0
39	14A-41.1	Parr	306/446	2.5
40	14A-37	Wilcox	214/103	1.28
41	14A-38	Wilcox	155/223	0.44
42	14A-41	Wilcox	286/307	
43	14A-36.1	Wilcox	199/352	
44	14A-39	Wilcox	WB28/40	0.378
45	14A-40	Gorrell	WB32/38	0.57
46	14A-36	Wilcox	WB28/40	1.40
47	14A-35	Lemon	329/755	0.43
48	14A-30	Costilow	330/923	0.57
49	14A-28.1	Costilow	330/925	0.283
50	14-60.1	Long	283/511	4.822
51	14-59	Cochran	274/170	1.88
52	14-74	Eddy	182/501	2.0
53	14-74	Cochran	158/402	0.82
	Windshift our	VanDyne	CVC090000000000000000000000000000000000	1.51000000
54	14-70.1	•	355/256	0.83
55	14-56	Parr	358/643	2.98
56	14-64	Parr	181/549	3.57
57	14-68.1	Fletcher	319/172	0.75
58	14-68.2	Fletcher	348/355	0.57
59	14-83.1	Fletcher	357/622	0.048
60	14-70.2	George	453/593	4.52
61	14-72	Cochran	344/251	2.94
62	14-75	Walton	331/90	2.4
63	14-70	Mead	275/514	0.37
64		Mead	275/514	0.73
100000				
65	14-68	Deulley	385/798	1.822
66		Doak	309/491	7.11
67	14-73.1	Doak	253/368	0.54
68		Doak	275/74	0.22
69	14-73.3	Glover	267/26	1.21

Page 2 of 3

ID	TM/Par	Owner	Bk/Pg	Acres
71	14-83	Ferrell	WB56/202	1.51
72	14-77	Maisey	349/762	0.37
73	14-76.1	Maisey	349/762	0.457
74	14-76.2	United Christian	253/98	3.134
75	14-82	Ferrell	WB56/202	1.2
76	14-78	Wagner	509/121	6.71
77	14-73.2	Doak	253/268	0.53
78	14-79	Doak	275/305	1.81
79	14-84	Thomas	331/254	0.65
80	14-93	Smith	540/612	1.087
81	14-85	Smith	189/253	1.9
82	14-87	Amos	377/603	2.55
83	14-86	Turner	397/341	1.76
84	14-86.1	Crawford	WB26/226	0.586
85	20B-36	Jackson	267/480	0.876
86	14-80	Dotson	40/554	1.004
87	20B-1	Archer	WB20/559	0.5
88	20B-2	LeMasters	315/552	0.28
89	20B-2.1	LeMasters	315/552	0.28
90	20B-3	DeLancey	430/413	0.28
91	20B-4	DeLancey	430/413	0.17
92	20B-4.1	Thomas	270/211	0.11
93	20B-5.3	Thomas	238/381	0.28
94	20B-6	Boggs	448/225	0.14
95	20B-7.1	Boggs	448/225	0.07





FILE NO: 99-54-E-18 DRAWING NO: Fetty 2H Well Plat SCALE: 1" = 1500' MINIMUM DEGREE OF ACCURACY: Submeter

Glover

267/26

WB56/202

1.21

0.48

14-73.4 14-73.3

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

DATE:	Ν	ovember	13	20	19	_
OPERATOR	'S WE	ELL NO	Fet	ty U	nit 2H	_
		API WEL	LNO	0		
47	-	095		(02635	MOI
STATE		COUNT	Y	P	ERMIT	

PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV	TOUTAN SEMPER USE OF	STATE	COUNTY -	PERMIT
(IF GAS) PRODUCTION: Proposed 1020 LOCATION: ELEVATION: Existing 1052' DISTRICT: Ellsworth CC SURFACE OWNER: Ridgetop Capital LP JE ROYALTY OWNER: Scott Denomme, et ux; Naoi	WATERSHED: Outlet Middle Island Creek QUAI Farl W. Miller, II; Nancy Ann Villers; Farol Ann Ferguson; Connie L. Hickman; Richard A. Fonner, et ux; Mary Alice Hickman; Ficharles E. & Roberta L. Walton; Caroline S. Maisey (2); United Christian Fellowship; Farnes A. Long, Jr., et ux; Christine Fletcher Mitchell, et vir; Roy A Campbell, et ux; Fini V. Beagle; Nathaniel Hendricks; Norma M. Long; WERT DRILL DEEPER FRACTURE OR STIMULA OTHER PHYSICAL CHANGE IN WELL (SPECIFY)	COUNTY ACREAG TE PLUG BHL MOD	Y: Tyler	19.60852; 2; 2.3950; 0.457; 3.13; 0.37; 8.28; 41; 102.33; 70.9775; 189.993; 67.67 ORMATION
WELL OPERATOR: Antero Resources Cor				
ADDRESS: 1615 Wynkoop Street				
Denver, CO 80202	Charleston, V	VV 25313		

Antero Resources Well No. Fetty Unit 2H BHL MOD

Antero Resources Corporation

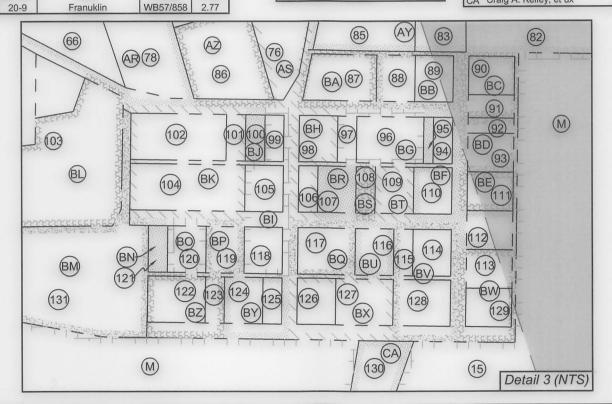
Page 3 of 3

ID	TM/Par	Owner	Bk/Pg	Acres
96	20B-7	Eddy	342/608	0.48
97	20B-8	Eddy	342/608	0.14
98	20B-9	Wells	326/951	0.28
99	20B-10	McNees	402/712	0.14
100	20B-11	Ferrell	153/344	0.14
101	20B-12	Whiteman	WB30/705	0.14
102	20B-13	Whiteman	WB30/705	0.69
103	14/67	Williams	169/472	3.0
104	20B-14	Whiteman	WB30/705	0.83
105	20B-15	McNees	399/704	0.28
106	20B-16	Wells	326/951	0.14
107	20B-17	Swan	120/115	0.28
108	20B-18	Smith & Swan	10/325	0.14
109	20B-19	Cool	463/751	0.28
110	20B-20	Eddy	448/225	0.28
111	20B-5.1	Cain	WB36/807	0.480
112	20B-5.4	Boggs	234/701	0.28
113	20B-5	Koerber	300/145	0.28
114	20B-21	Boggs	433/592	0.28
115	20B-22	Boggs	433/592	0.14
116	20B-23	Fletcher	320/52	0.28
117	20B-24	Fletcher	341/656	0.41
118	20B-25	McNees	399/704	0.28
119	20B-26	Newman	349/658	0.28
120	20B-27	Hickman, et al	341/209	0.28
121	20B-28	Woofter	225/669	0.14
122	20B-29	Hickman	251/264	0.41
123	20B-30	Hickman	273/569	0.14
124	20B-31	Weese	216/112	0.28
125	20B-32	Weese	216/109	0.14
126	20B-33	Licht	431/756	0.28
127	20B-34	Licht	431/756	0.41
128	20B-35	Boggs	433/592	0.41
129	20B-5.2	Koerber	306/184	0.28
130	20-10.1	Kelly	310/380	0.492
131	20-9	Franuklin	WB57/858	2.77
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i		Lease			
	Α	Naomi V. Beagle			
	В	Jack R. Folger, et ux			
	С	Linda L. Newbrough			
	D	Stanley M. & Irene E. Koterba			
	E	Scott Denomme, et ux			
	F	Scott Denomme, et ux			
G Boyd M. & Patricia L. Parr					
H Nathaniel Hendricks					
I Linda L. Newbrough					
	James A. Long, Jr., et ux				
	K T&k Enterprises				
L Carl W. Miller II		Carl W. Miller II			
M Connie L. Hickman		Connie L. Hickman			
		Richard A. Fonner, et ux			
O William M. Baker, et ux					
P Mary Alice Hickman		Commence Com			
		Patricia A. Leasure, et ux			
R Mary A. Hickman					
S Lance M. Hickman					
	Т	Nancy Ann Villers			
	U	Mary Alice Hickman			
V Jeff T. Hoover					
W James S. Suter, et ux		The state of the s			
X James S. Suter, et ux		The state of the s			
Y Levi Pelikan					
Z Christine Fletcher Mitchell, e					
AA Gladys V. Gregg					
AB Gladys V. Gregg					
ı	AC	Norma M. Long			
AD Roy A. Campbell, et ux		Roy A. Campbell, et ux			
ı	AE	Terry W. Tracy			
AF Wesley S. VanDyne, et ux					
AG Lisa A. George					
AH Roger Carl Ferrell					
	Al	Scott E. Fletcher			
	AJ				
AK Sandra J. Fletcher		CENTRAL MINISTER CONTRACTOR CONTR			
		Roger Carl Ferrell			
ı	AM	James C. Deulley			

	Lease
AN	Charles J. Mead, et ux
AO	Charles E. & Roberta L. Walton
AP	Charles J. Mead, et ux
AQ	Robert G. Glover, et ux
AR	Brian K. Doak, et ux
AS	JB Exploration
AT	Roger Carl Ferrell
AU	Roger Carl Ferrell
AV	Caroline S. Maisey
٩W	United Christian Fellowship
AX	Caroline S. Maisey
AY	Carol Ann Ferguson
AZ	Mary Ann Dotson
ВА	Neil A. Archer
BB	David W. Lemasters, et ux
ВС	Valerie D. DeLancy
BD	Larry Thomas, et ux
BE	Carol Elaine Cain
BF	Rodney E. Boggs, et ux
3G	Marie Eddy
ВН	Phillip E. Wells, et ux
BI	Steven H. McNees
BJ	Dianne L. Hornyak
BK	Margaret Ann Whiteman
BL	Tommy L. Williams
ЗМ	Marvin Gene Franklin
BN	Marvin Gene Franklin
30	Carol L. Amos
BP	Theresa Davies
3Q	Timothy J. Fletcher
3R	Charles R. Swan
BS	Roberta L. Walton
ВТ	Abram B. Neige, et ux
BU	Timothy Joe Fletcher
BV	Myra E. Boggs
3W	Joseph E. Koerber, et ux
ВХ	Janice Licht
BY	Ronald P. Weese, et ux

BZ Michael Hickman, et ux CA Craig A. Kelley, et ux



FILE NO: _99-54-E-18 DRAWING NO: Fetty 2H Well Plat SCALE: _1" = 1500'

STATE OF WEST VIRGINIA

DATE: ___ November 13 20_ Fetty Unit 2H OPERATOR'S WELL NO. ___

MINIMUM DEGREE OF ACCURACY: Submeter PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV	OIL AND GAS DIVISION	API WELL NO					
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW Proposed 1026' LOCATION: ELEVATION: Existing 1052' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Btm - Middlebourne DISTRICT: Ellsworth Carl W. Miller, II; Nancy Ann Villers; Carl Ann Fergusori, Connie L. Hickman; Richard A. Fonner, et ux; Mary Alice Hickman; SURFACE OWNER: Ridgetop Capital LP Charles E. & Roberta L. Walton; Caroline S. Maisey (2); United Christian Fellowship; ROYALTY OWNER: Scott Denomme, et ux; Naomi V. Beagle; Nathaniel Hendricks; Norma M. Long; LEASE NO: ACREAGE: 189.993; 67.67 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD 7,000' TVD PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21.600' MD							
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System							
ADDRESS: 1615 Wynkoop Street	ADDRESS: 5400 D Big T	yler Road					
Denver, CO 80202	Charleston, V	VV 25313					