

Antero Resources
Well No. Fetty
Unit 1H
 BHL MOD
 Antero Resources Corporation

Page 1 of 3

3,903' to Top Hole
 2,983' to Bottom Hole

BTM HOLE LATITUDE 39 - 30 - 00
 TOP HOLE LATITUDE 39 - 32 - 30



LONGITUDE 80 - 52 - 30

8,188' to Bottom Hole
 11,816' to Top Hole

Proposed Well
 No. Fetty Unit
 1H



- Wellhead Layout (NTS)**
- Proposed Well Fetty Unit 1H 47-095-02632
 - Fetty Unit 2H 47-095-02635
 - Tela Unit 1H 47-095-02646
 - Tela Unit 2H 47-095-02633
 - Reba Unit 1H 47-095-02643
 - Reba Unit 2H 47-095-02644
 - Reba Unit 3H 47-095-02645

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

Notes:
 Well No. Fetty Unit 1H
 UTM Zone 17, NAD 1927

Top Hole Coordinates
 N: 14,347,305.68'
 E: 1,671,953.36'

Point of Entry Coordinates
 N: 14,346,604.70'
 E: 1,669,081.04'

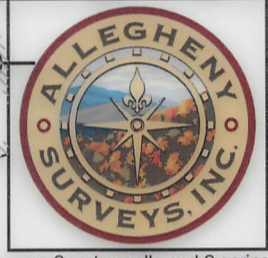
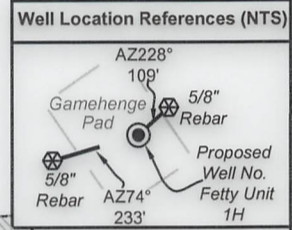
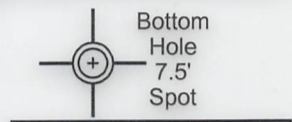
Bottom Hole Coordinates
 N: 14,335,775.50'
 E: 1,672,833.24'

	Bearing	Dist.
L1	N 27°08' W	1,379.3'
L2	N 55°19' E	2,184.9'
L3	S 47°40' E	1,739.9'
L4	S 01°50' W	1,163.5'
L5	S 77°15' W	2,957.6'

Notes:
 West Virginia Coordinate System
 of 1927, North Zone
 based upon Differential GPS Measurements.
 Well No. Fetty Unit 1H Top Hole coordinates are
 N: 370,548.68' Latitude: 39°30'32.63"
 E: 1,608,337.77' Longitude: 80°53'17.48"
 Bottom Hole coordinates are
 N: 359,001.47' Latitude: 39°28'38.62"
 E: 1,609,025.29' Longitude: 80°53'06.44"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,373,285.212m N: 4,369,770.800m
 E: 509,626.893m E: 509,895.047m
 Plat orientation and corner and well references
 are based upon the grid north meridian.
 Well location references are based upon the magnetic
 meridian.

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



Note: It appears 2 water wells and 2 springs were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

FILE NO: 99-54-E-18
 DRAWING NO: Fetty 1H Well Plat
 SCALE: 1" = 1500'
 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: November 13 20 19
 OPERATOR'S WELL NO. Fetty Unit 1H
 API WELL NO
 47 - 095 - 02632 MOD
 STATE COUNTY PERMIT

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
 Top - Paden City

DISTRICT: Ellsworth COUNTY: Tyler

SURFACE OWNER: Ridgetop Capital LP ACREAGE: 64.96
 0.276; 40.3; 6.71;
 0.492; 0.6245;

ROYALTY OWNER: Scott Denomme, et ux (2); James S. Sutter; Naomi V. Beagle; Levi Pelikan; Myra E. Boggs LEASE NO: ACREAGE: 452.99125; 0.5;
 0.83; 0.14
 3.55; 41; 19.35;
 0.5; 100.45;
 102.33; 64.18;
 4.52; 0.41322;
 3.15; 34.59654;
 70.9775; 19.35;
 93.225; 67.67;
 0.492; 0.6245;

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: 22,300' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
 Denver, CO 80202 Charleston, WV 25313

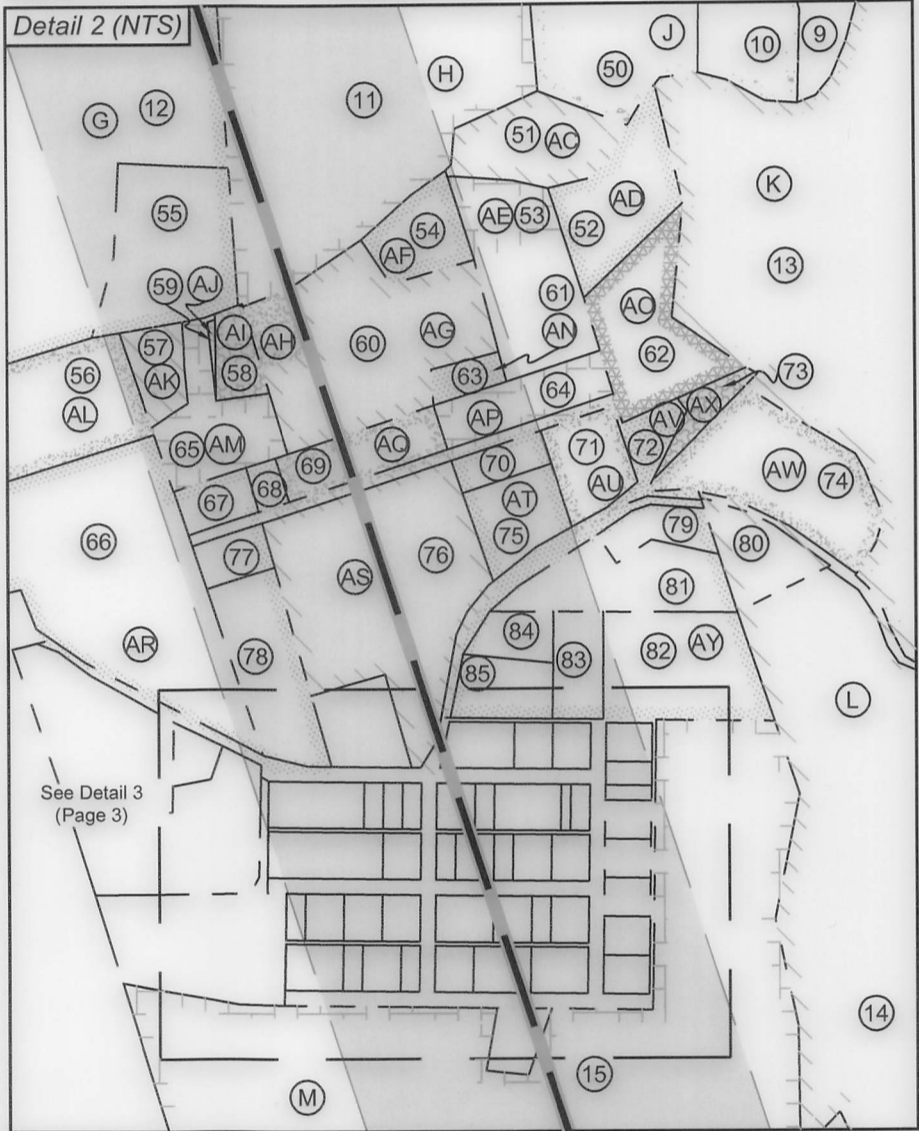
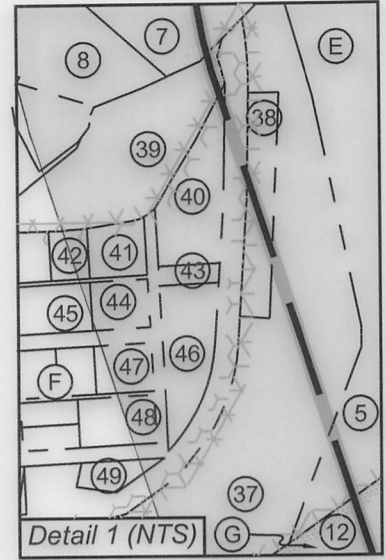
Antero Resources
Well No. Fetty Unit 1H

BHL MOD

Antero Resources Corporation

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
6	14-20.1	Brookover	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
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	14-71	Cochran	158/402	0.82
54	14-70.1	VanDyne	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	14-73	Mead	275/514	0.73
65	14-68	Deulley	385/798	1.822
66	14-65	Doak	309/491	7.11
67	14-73.1	Doak	253/368	0.54
68	14-73.4	Doak	275/74	0.22
69	14-73.3	Glover	267/26	1.21
70	14-83.1	Ferrell	WB56/202	0.48

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
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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: November 13 20 19
OPERATOR'S WELL NO. Fetty Unit 1H
API WELL NO MOD
47 - 095 - 02632
STATE COUNTY PERMIT

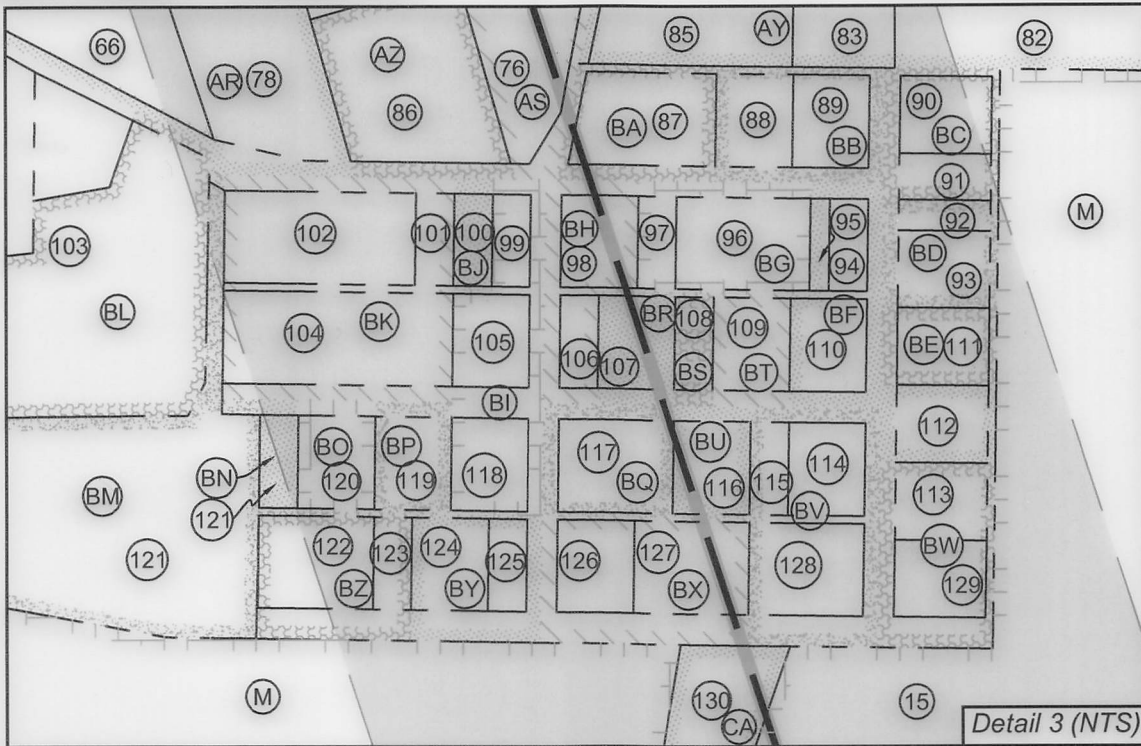
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(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
Proposed 1026'
LOCATION: ELEVATION: Existing 1052' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Top - Paden City 4.52; 0.41322; 3.15; 34.59654; 70.9775; 19.35; 93.225; 67.67; 0.492; 0.6245; 1.21; 0.28; 0.69
DISTRICT: Ellsworth COUNTY: Tyler
SURFACE OWNER: Ridgetop Capital LP ACREAGE: 64.96
ROYALTY OWNER: Scott Denomme, et ux (2); James S. Sutter; Naomi V. Beagle; Levi Pelikan; Myra E. Boggs LEASE NO: ACREAGE: 452.99125; 0.5;
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
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Denver, CO 80202 Charleston, WV 25313

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

Lease	
A	Naomi V. Beagle
B	Jack R. Folger, et ux
C	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
J	James A. Long, Jr., et ux
K	T&k Enterprises
L	Carl W. Miller II
M	Connie L. Hickman
N	Richard A. Fonner, et ux
O	William M. Baker, et ux
P	Mary Alice Hickman
Q	Patricia A. Leasure, et ux
R	Mary A. Hickman
S	Lance M. Hickman
T	Nancy Ann Villers
U	Mary Alice Hickman
V	Jeff T. Hoover
W	James S. Suter, et ux
X	James S. Suter, et ux
Y	Levi Pelikan
Z	Christine Fletcher Mitchell, et vir
AA	Gladys V. Gregg
AB	Gladys V. Gregg
AC	Norma M. Long
AD	Roy A. Campbell, et ux
AE	Terry W. Tracy
AF	Wesley S. VanDyne, et ux
AG	Lisa A. George
AH	Roger Carl Ferrell
AI	Scott E. Fletcher
AJ	Scott E. Fletcher
AK	Sandra J. Fletcher
AL	Roger Carl Ferrell
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
AW	United Christian Fellowship
AX	Caroline S. Maisey
AY	Carol Ann Ferguson
AZ	Mary Ann Dotson
BA	Neil A. Archer
BB	David W. Lemasters, et ux
BC	Valerie D. DeLancy
BD	Larry Thomas, et ux
BE	Carol Elaine Cain
BF	Rodney E. Boggs, et ux
BG	Marie Eddy
BH	Phillip E. Wells, et ux
BI	Steven H. McNees
BJ	Dianne L. Hornyak
BK	Margaret Ann Whiteman
BL	Tommy L. Williams
BM	Marvin Gene Franklin
BN	Marvin Gene Franklin
BO	Carol L. Amos
BP	Theresa Davies
BQ	Timothy J. Fletcher
BR	Charles R. Swan
BS	Roberta L. Walton
BT	Abram B. Neige, et ux
BU	Timothy Joe Fletcher
BV	Myra E. Boggs
BW	Joseph E. Koerber, et ux
BX	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
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OIL AND GAS DIVISION

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47 - 095 - 02632
STATE COUNTY PERMIT

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Proposed 1026'
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