

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



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

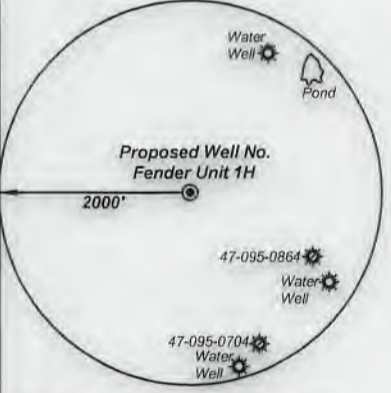
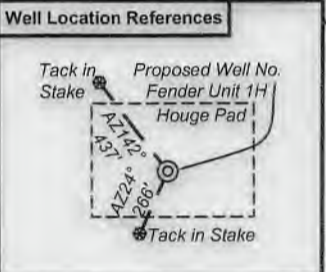
Page 1 of 2

Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Fender Unit 1H Top Hole coordinates are
 N: 356,891.30' Latitude: 39°28'17.20"
 E: 1,605,295.40' Longitude: 80°53'53.58"
 Bottom Hole coordinates are
 N: 363,571.68' Latitude: 39°29'22.58"
 E: 1,601,154.43' Longitude: 80°54'47.72"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,369,108.927m N: 4,371,123.038m
 E: 508,769.459m E: 507,473.923m
 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. Fender Unit 1H UTM Zone 17, NAD 1927
 Top Hole Coordinates
 N: 14,333,604.11' E: 1,669,140.36'
 Point of Entry Coordinates
 N: 14,332,283.66' E: 1,667,618.68'
 Bottom Hole Coordinates
 N: 14,340,212.17' E: 1,664,889.91'

	Bearing	Dist.
L1	S 46°08' E	1,400.9'
L2	S 25°19' W	1,549.8'
L3	N 76°14' W	929.9'
L4	N 09°27' W	1,418.2'
L5	S 50°00' W	2,015.4'

- Wellhead Layout**
- Kramer Unit 2H (47-095-02677)
 - Kramer Unit 1H (47-095-02673)
 - Lancaster Unit 3H (47-095-02676)
 - Lancaster Unit 2H (47-095-02675)
 - Lancaster Unit 1H (47-095-02674)
 - Fender Unit 3H (47-095-02672)
 - Fender Unit 2H (47-095-02671)
 - Proposed Well Fender Unit 1H (47-095-02670)



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



FILE NO: 17-54-E-19
 DRAWING NO: Fender Unit 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: February 11 2020
 OPERATOR'S WELL NO. Fender 1H
 API WELL NO
 47 - 095 - 02670
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 Proposed 1,014.5'
 LOCATION: ELEVATION: Existing 1,033' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Middlebourne
 DISTRICT: Ellsworth COUNTY: Tyler
 SURFACE OWNER: Michael J. & Melinda R. Hogue BRC Appalachian Minerals I, LLC; Nellie M. Wilson; Arthur D. Haught; Ruth E. Blake; Betty Lou Hadley; Sam Maxson; Larry K. Spencer; ACREAGE: 192.0
 ROYALTY OWNER: Michael J. & Melinda R. Hogue; Ryan L. Walton, et ux (2); David L. Lancaster, et ux (2) LEASE NO: ACREAGE: 18.89; 58.27275; 191.5; 35.9; 36.5
 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: 18,400' MD
 6,900' TVD

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. Fender Unit 1H
BHL MOD
Antero Resources Corporation



Leases	
A	Michael J. & Melinda R. Hogue
B	James F. Doan, et ux
C	Ryan L. Walton, et ux
D	The Swan Living Trust
E	David L. Lancaster, et ux
F	Ryan L. Walton, et ux
G	David L. Lancaster, et ux
H	Kenneth W. Lancaster
I	Terry Lee Fiber
J	Joe & Shirley Varese
K	Leeman W. Mason, et ux
L	Peter W. & Irmagard Guenter Joint Living Trust
M	Thomas & Cynthia H. Hall
N	BRC Appalachian Minerals I, LLC
O	Robert C. Kramer
P	Charles E. Anderson, et ux
Q	Ruth E. Blake
R	Earnestine Pelikan & David Leasure
S	Betty Lou Hadley
T	Sam Maxson
U	Larry K. Spencer
V	Tustin Family Trust
W	Tustin Family Trust
X	BRC Appalachian Minerals I, LLC
Y	Nellie M. Wilson, et al
Z	Arthur D. Haught
AA	Mary Frances Carpenter
AB	Larry K. Spencer
AC	Larry K. Spencer
AD	Harold L. Holloway, Jr., et ux
AE	Michael H. Glover, et ux
AF	Betty Lou Hadley
AG	Jordan L. & Michael P. Haught
AH	James M. Glover, et ux
AI	James M. Glover, et ux
AJ	April N. DeLong
AK	Ruth Blake
AL	Ruth Blake
AM	Betty Lou Hadley
AN	James D. Anderson & Tracy A. Doll
AO	Betty Lou Hadley
AP	Bessie L. Matthews, et vir
AQ	Betty Lou Hadley
AR	Betty Lou Hadley
AS	Betty Lou Hadley
AT	Stephen D. Ashley, et ux
AU	James M. Glover, et ux
AV	Martha J. Hayes, et vir
AW	Betty Lou Hadley
AX	Betty Lou Hadley
AY	Betty Lou Smith
AZ	Betty Hadley
BA	Laura June Smith
BB	Kathryn Knowlton
BC	Crystal Christophel
BD	Timothy Stanley, et ux
BE	Donald E. Huffman
BF	Betty Lou Hadley
BG	Betty Lou Hadley
BH	Nancy Glover
BI	William H. Eddy
BJ	WV DNR

ID	TM/Par	Owner	Bk/Pg	Acres
1	20/108	Michael J. & Melinda R. Hogue	348/404	192.00
2	26/46.10	Leon & Drema Gall Ison	359/311	4.98
3	26/46.5	Richard Doly	493/673	13.14
4	26/46.4	Timothy F. & Jasmine Y. Kantz	415/716	8.10
5	26/22	Ryan Lee & Melinda Jo Walton	342/687	36.50
6	26/21	Ryan Lee & Melinda Jo Walton	342/687	35.90
7	26/20	Kenneth & Brenda Lancaster	210/502	20.00
8	20/102	Antero Midstream LLC	575/69	203.59
9	20/103	Kenneth & Brenda Lancaster	210/341	1.20
10	20/104	David Lancaster	210/505	57.00
11	20/107	David L. & Kathy A. Lancaster	314/344	18.89
12	20/102.1	Terrell Lee Henderson	445/302	0.951
13	20/104.1	Kenneth & Brenda Lancaster	328/13	1.796
14	20/105.1	Terry Lee Fiber	335/682	6.06
15	20/105	Joe & Shirley Varese	352/736	11.322
16	20/105.2	Terry Lee Fiber	336/480	0.098
17	20/106	Eugene F. & Phyllis A. Howell	223/371	19.76
18	20/106.1	Lee Ann Hall	486/806	5.493
19	20/99	Pioneer Land Company LLC	431/414	10.00
20	20/85	Pioneer Land Company LLC	431/414	83.10
21	20/83.5	Thomas & Cynthia Hall	392/229	6.416
22	20/93.1	Vernon Stevens	423/703	2.14
23	20/93.5	Nina Smith & Mary Bennett	308/115	2.88
24	20/106.2	Nancy Forester	328/633	5.429
25	20/93	Robert C. Kramer	547/650	23.964
26	20/92	Charles & Doris Anderson	210/359	27.00
27	20/94	Charles & Doris Anderson	217/398	2.806
28	20/86	Ruth E. Blake	317/103	23.75
29	20/44.1	Ruth E. Blake	317/103	10.17
30	20/44.2	Roy D. Hadley & Betty L. Gulley	295/375	11.27
31	20/43	Janet Neff, et al	429/173	35.00
32	20A/1	William G. & Larry K. Spencer	296/368	1.71
33	20/42	Janet Neff, et al	429/173	20.23
34	20/42.1	Kenneth & Mary Ashley	351/771	1.889
35	20/41	Kenneth & Mary Ashley	194/365	15.79
36	20/41.1	Janet Neff, et al	429/173	2.218
37	20/46.1	Betty Tustin	WB45/156	2.476
38	20/47	Betty Tustin	WB45/156	1.00
39	20/46	Betty Tustin	WB45/156	29.66

ID	TM/Par	Owner	Bk/Pg	Acres
40	20/45	Nellie M. Wilson	337/462	8.00
41	20/40.1	Gary & Margaret Rymer	232/12	7.07
42	20/40	William H. & Judy M. White	352/566	9.31
43	20A/6	Roy D. & Betty Lou Hadley	353/558	0.53
44	20A/3.1	Larry K. Spencer	425/56	0.524
45	20A/2	Wanda M. Spencer, et al	AR50/170	0.45
46	20A/3	Harold L. & Debra C. Holloway	225/51	0.366
47	20A/5	Michael H. & Vola J. Glover	208/103	1.38
48	20A/7	Jordan L. & Michael P. Haught	522/391	1.66
49	20A/8	James M. & Sara K. Glover	434/163	0.44
50	20A/9	James M. & Sarah M. Glover	578/622	0.17
51	20A/10	April N. DeLong	437/806	0.11
52	20A/10.1	Ruth E. Blake	348/604	0.16
53	20A/11	Ruth E. Blake	343/574	0.14
54	20A/12	Roy D. & Betty Lou Hadley	304/366	0.25
55	20A/13	James D. Anderson & Tracy A. Doll	400/425	0.33
56	20A/55	Roy D. & Betty Lou Hadley	350/341	0.17
57	20A/54	Bessie L. Matthews, et vir	521/634	0.46
58	20A/52	Betty Lou Hadley	579/652	0.24
59	20A/53	Deloris Gulley	AR40/97	0.33
60	20A/14	Roy D. Hadley	332/696	0.17
61	20A/15	Stephen D. & Brenda J. Ashley	317/183	0.50
62	20A/16	James M. Glover	330/197	0.50
63	20/46.2	James & Sara Glover	350/386	0.386
64	20A/17	Chris L. Hayes & Martha J. Tennant	343/212	0.17
65	20A/18	Roy D. Hadley	WB23/305	0.66
66	20A/19	Roy D. Hadley	WB23/305	0.17
67	20A/20	Betty Hadley	470/683	0.17
68	20A/50	Betty Lou Hadley	579/652	0.17
69	20A/51	Shirl A. Henderson	WB19/379	0.17
70	20A/51.1	Crystal Christophel	WB19/379	0.16
71	20/86.1	Earnest Leasure, et al	321/160	0.37
72	20A/21	Roy D. Hadley	317/674	3.00
73	20A/22	Roy Hadley	WB23/305	0.17
74	20A/23	Connie Sue Tanner	327/883	0.33
75	20A/24	Timothy & Tonya Stanley	581/792	0.33
76	20A/26.1	Evelyn S. Smith	328/95	0.165
77	20A/25	Nancy Glover	147/104	0.33
78	20A/26	Evelyn S. Smith	332/681	0.165

FILE NO: <u>17-54-E-19</u>	 STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION	DATE: <u>February 11</u> 20 <u>20</u>
DRAWING NO: <u>Fender Unit 1H Well Plat</u>		OPERATOR'S WELL NO. <u>Fender 1H</u>
SCALE: <u>1" = 1500'</u>		API WELL NO
MINIMUM DEGREE OF ACCURACY: <u>Submeter</u>		<u>47</u> - <u>095</u> - <u>02670</u>
PROVEN SOURCE OF ELEVATION: <u>WVDOT, Harrisville, WV</u>	STATE COUNTY PERMIT	

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 Proposed 1,014.5'

LOCATION: ELEVATION: Existing 1,033' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Middlebourne
 DISTRICT: Ellsworth COUNTY: Tyler

SURFACE OWNER: Michael J. & Melinda R. Hogue ACREAGE: 192.0
BRC Appalachian Minerals I, LLC; Nellie M. Wilson; Arthur D. Haught; Ruth E. Blake; Betty Lou Hadley; Sam Maxson; Larry K. Spencer; The Swan Living Trust; Peter W. & Irmagard E. Guenter, Joint Living Trust;

ROYALTY OWNER: Michael J. & Melinda R. Hogue; Ryan L. Walton, et ux (2); David L. Lancaster, et ux (2) LEASE NO: _____ ACREAGE: 191.5; 35.9; 36.5
8.00; 8.38; 35; 1.6152; 40.625; 41.425; 11.26875; 166.09063; 93.1; 18.89; 58.27275;

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: 6,900' TVD
18,400' MD

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