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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Friday, May 13, 2022  
PERMIT MODIFICATION APPROVAL  
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION  
1615 WYNKOOP STREET  
DENVER, CO 80202

Re: Permit Modification Approval for BALDY UNIT 3H  
47-103-03480-00-00

**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.

  
James A. Martin  
Chief

Operator's Well Number: BALDY UNIT 3H  
Farm Name: MARGARET LANCASTER  
U.S. WELL NUMBER: 47-103-03480-00-00  
Horizontal 6A New Drill  
Date Modification Issued: 05/13/2022

Promoting a healthy environment.

05/13/2022

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

1) Well Operator: Antero Resources Corporation 494507062 103-Wetzel Green Porter Falls 7.5'  
Operator ID County District Quadrangle

2) Operator's Well Number: Baldy Unit 3H MOD Well Pad Name: Red Lady Pad

3) Farm Name/Surface Owner: Margaret Lancaster Public Road Access: Wetzel Tyler Ridge Rd

4) Elevation, current ground: 1237' Elevation, proposed post-construction: ~1206'

5) Well Type (a) Gas  Oil  Underground Storage

Other

(b) If Gas Shallow  Deep

Horizontal

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6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Marcellus Shale: 7400' TVD, Anticipated Thickness- 55 feet, Associated Pressure- 2850#

WV Department of  
Environmental Protection

8) Proposed Total Vertical Depth: 7400' TVD

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 30,400'

11) Proposed Horizontal Leg Length: 20,296.4'

12) Approximate Fresh Water Strata Depths: 33', 283', 831'

13) Method to Determine Fresh Water Depths: 095-02177, 095-02104 Offset well records. Depths have been adjusted according to surface elevations.

14) Approximate Saltwater Depths: 1592'

15) Approximate Coal Seam Depths: 851'

16) Approximate Depth to Possible Void (coal mine, karst, other): None Anticipated

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes  No

(a) If Yes, provide Mine Info: Name: \_\_\_\_\_  
Depth: \_\_\_\_\_  
Seam: \_\_\_\_\_  
Owner: \_\_\_\_\_

4710303480

WW-6B  
(04/15)

API NO. 47- 103 -  
OPERATOR WELL NO. Baldy Unit 3H MOD  
Well Pad Name: Red Lady 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	79#	80'	80'	CTS, 77 Cu. Ft.
Fresh Water	13-3/8"	New	J/K-55	54.5#	881'	881'	CTS, 557 Cu. Ft.
Coal	9-5/8"	New	J-/K55	36#	2500'	2500'	CTS, 1018 Cu. Ft.
Intermediate							
Production	5-1/2"	New	P-110CY	20#	30,400'	30,400'	CTS, 6743 Cu. Ft.
Tubing	2-3/8"	New	N-80	4.7#			
Liners							

*Ernest L. Seybold*  
5-6-22

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"	0.375"	2250	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"	14,360	2500	Class G/H	~1.8
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners							

**PACKERS**

Kind:	N/A			RECEIVED Office of Oil & Gas
Sizes:	N/A			MAY 09 2022
Depths Set:	N/A			WV Department of Environmental Protection

WW-6B  
(10/14)

47 10303480  
API NO. 47-103 -  
OPERATOR WELL NO. Baldy Unit 3H MOD  
Well Pad Name: Red Lady 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 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): 51.15 acres

22) Area to be disturbed for well pad only, less access road (acres): 9.42 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.

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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:

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.

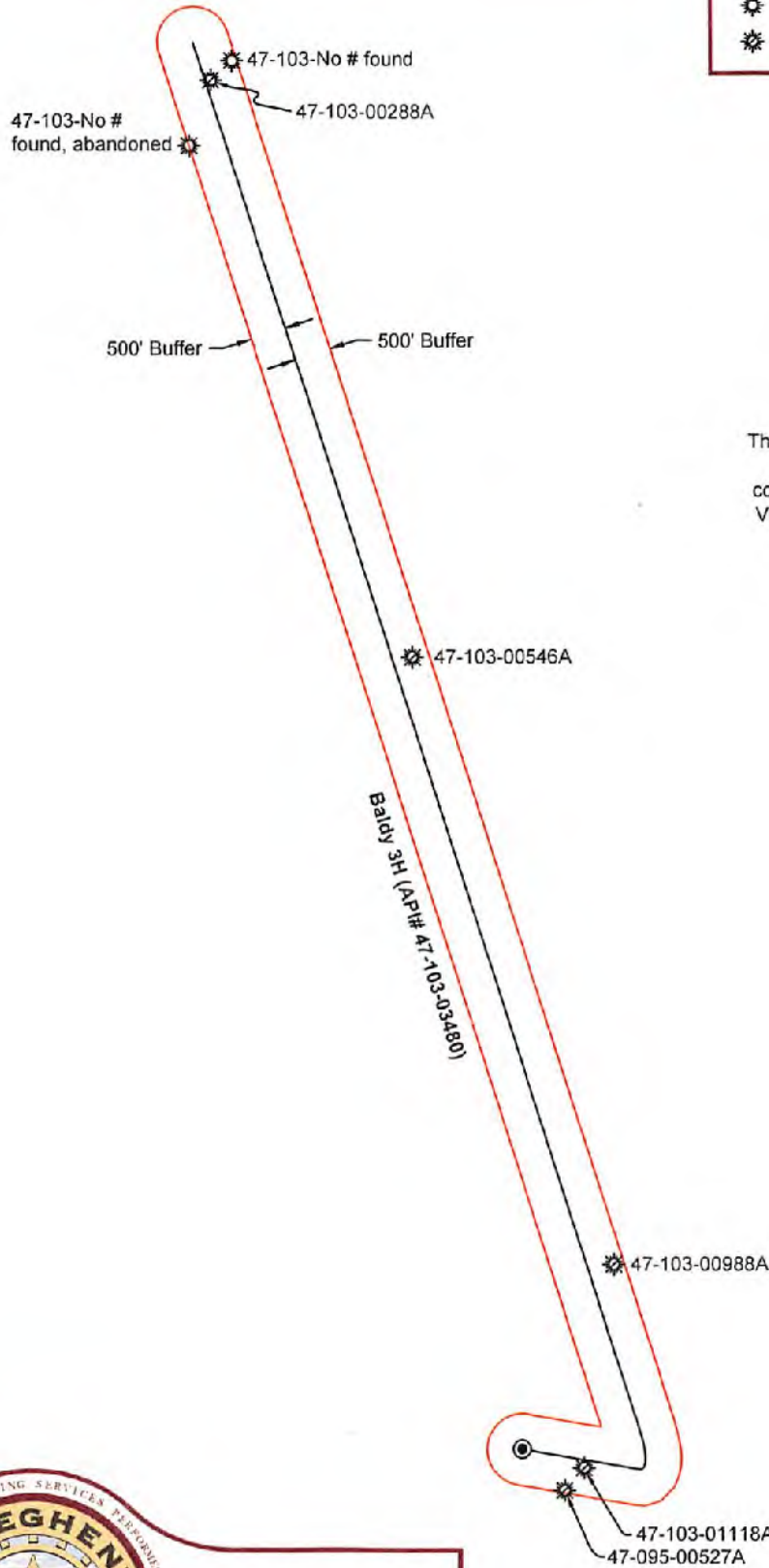
\*Note: Attach additional sheets as needed.

**LEGEND**

- ⊙ Proposed gas well
- ⊛ Existing Well, as noted
- ⊛ Digitized Well, as noted



The orientation of this survey is Grid North, and its coordinate base is the West Virginia Coordinate System of 1927, North Zone



Bridgeport Office  
 Phone: (304) 848-5035  
 Fax: (304) 848-5037

172 Thompson Drive  
 Bridgeport, WV 26330

PARTY CHIEF: C. Lynch	DRAWN BY: D. Rader
RESEARCH: J. Miller	PREPARED: April 1, 2022
SURVEYED: Dec. 2016	PROJECT NO: 109-34-G-18
FIELD CREW: C.L., K.M.	DRAWING NO: Baldy 3H Well Exhibit

Sheet 1 of 1



Scale: 1 inch = 2500 feet

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WV Department of  
 Environmental Protection

05/13/2022

47-103-03480

UWI (API Num)	Well Name	Well Number	Operator	Historical Operator	TD	Perforated Interval (shallowest, deepest)	Perforated Formation(s)	Producible Formation(s) not perf'd
47095305270000	SARAH J LANCASTER 1	1678	HOPE NATURAL GAS	HOPE NATURAL GAS	3,047		Big Injun, Gordon	Weir, Berea, Benson, Alexander
47103911180000	NORMAN CUNNINGHAM	2	UNKNOWN	UNKNOWN				
47103309880000	SARAH WRIGHT	4809	HOPE NATURAL GAS	HOPE NATURAL GAS	2,240		Big Injun	Weir, Berea, Benson, Alexander
47103305460000	L L MIDCAP	1	UNKNOWN	UNKNOWN	1,823		Big Injun	Weir, Berea, Benson, Alexander
47103302880000	J E SNIDER	1						
47103714910000								
47103714900000								

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MAY 13 2022

WV Department of  
Environmental Protection

**Antero Resources**  
**Well No. Baldy 3H**  
**BHL MOD**  
 Antero Resources Corporation

Page 1 of 3

8,215' to Bottom Hole

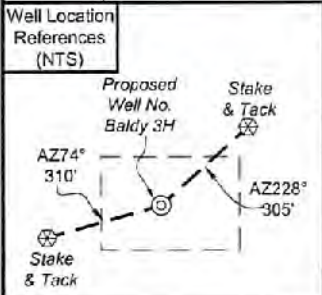
TOP HOLE LATITUDE 39 - 32 - 30  
 BTM HOLE LATITUDE 39 - 35 - 00



MATCH LINE  
 Page 2

**Notes**  
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
 Well No. Baldy Unit 3H Top Hole coordinates are  
 N: 376,164.29' Latitude: 39°31'33.34"  
 E: 1,644,024.54' Longitude: 80°45'43.20"  
 Bottom Hole coordinates are  
 N: 395,762.89' Latitude: 39°34'46.39"  
 E: 1,639,466.90' Longitude: 80°46'44.92"  
 UTM Zone 17, NAD 1983  
 Top Hole Coordinates: Bottom Hole Coordinates  
 N: 4,375,177.832m N: 4,381,125.482m  
 E: 520,470.525m E: 518,982.567m  
 Plat orientation and corner and well references are based upon the grid north meridian.  
 Well location references are based upon the magnetic meridian.

LONGITUDE 80 - 45 - 00  
 1,378' to Bottom Hole  
 5,733' to Top Hole

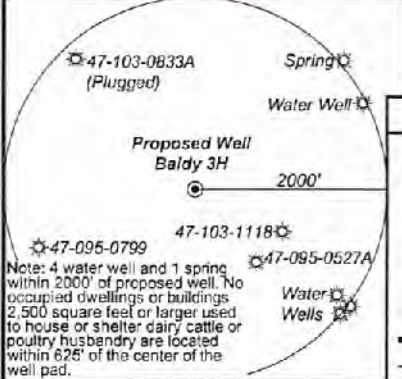
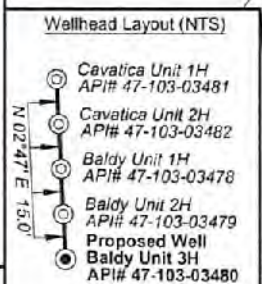


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

*Bradley D. Miller*  
 Bradley D. Miller, P.S. 2167

**Notes:**  
 Well No. Baldy Unit 3H UTM Zone 17, NAD 1927  
 Top Hole Coordinates  
 N: 14,353,514.07'  
 E: 1,707,529.34'  
 Point of Entry Coordinates  
 N: 14,353,812.12'  
 E: 1,709,161.63'  
 Bottom Hole Coordinates  
 N: 14,373,027.28'  
 E: 1,702,646.84'

	Bearing	Dist.
L1	S 39°59' E	1,996.7'
L2	S 22°16' W	1,694.4'
L3	S 50°46' W	2,111.3'
L4	S 66°48' W	1,962.4'
L5	N 80°36' E	1,659.8'



**Legend**

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

GRID NORTH

FILE NO: 109-34-G-18  
 DRAWING NO: Baldy 3H Well Plat  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: Submeter  
 PROVEN SOURCE OF ELEVATION: CORS, Monroe County, OH

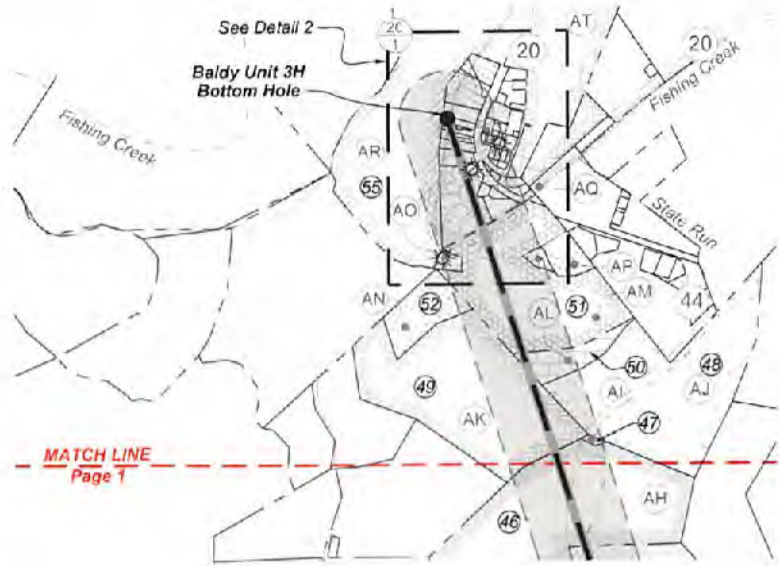
**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: April 8 2022  
 OPERATOR'S WELL NO. Baldy Unit 3H  
 API WELL NO ~~NO#~~  
 47 - 103 - 03480  
 STATE COUNTY PERMIT

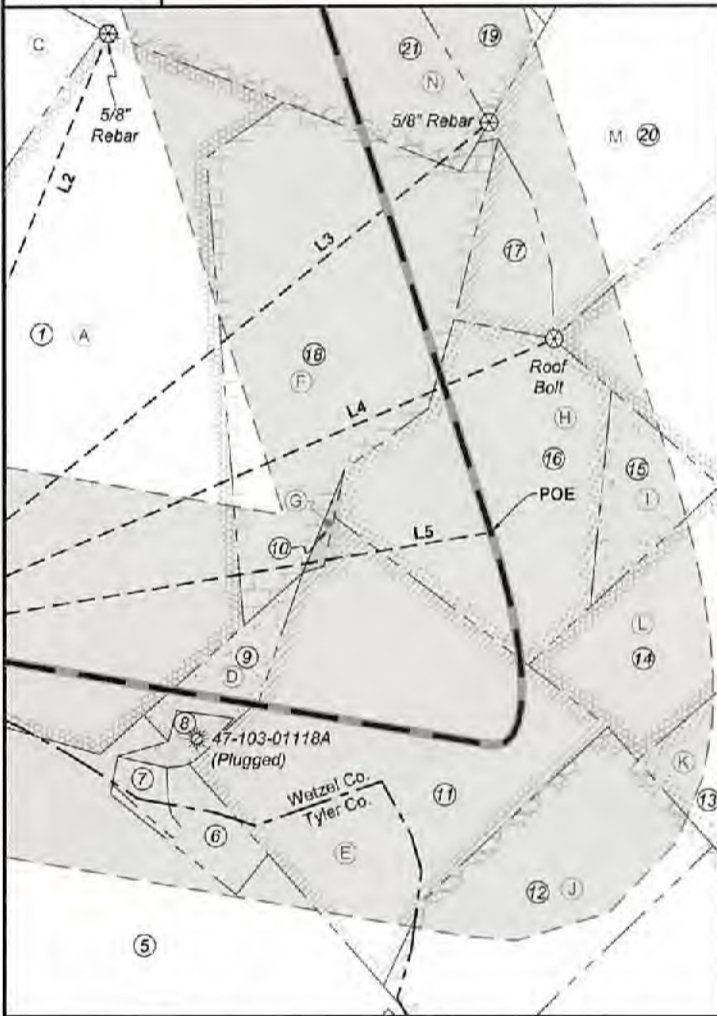
WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: Existing 1,237' Proposed 1,206' WATERSHED: Fishing Creek QUADRANGLE: Porter Falls  
 DISTRICT: Green Margaret COUNTY: Wetzel  
 SURFACE OWNER: Lancaster ROYALTY OWNER: Shiben Estates, Inc. (2); Rldgetop Royalties, LLC (2); Lee & Hall Royalties; Dale L. Fox; LEASE NO: ACREAGE: 39.00  
 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: 7,400' TVD  
 30,400' 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

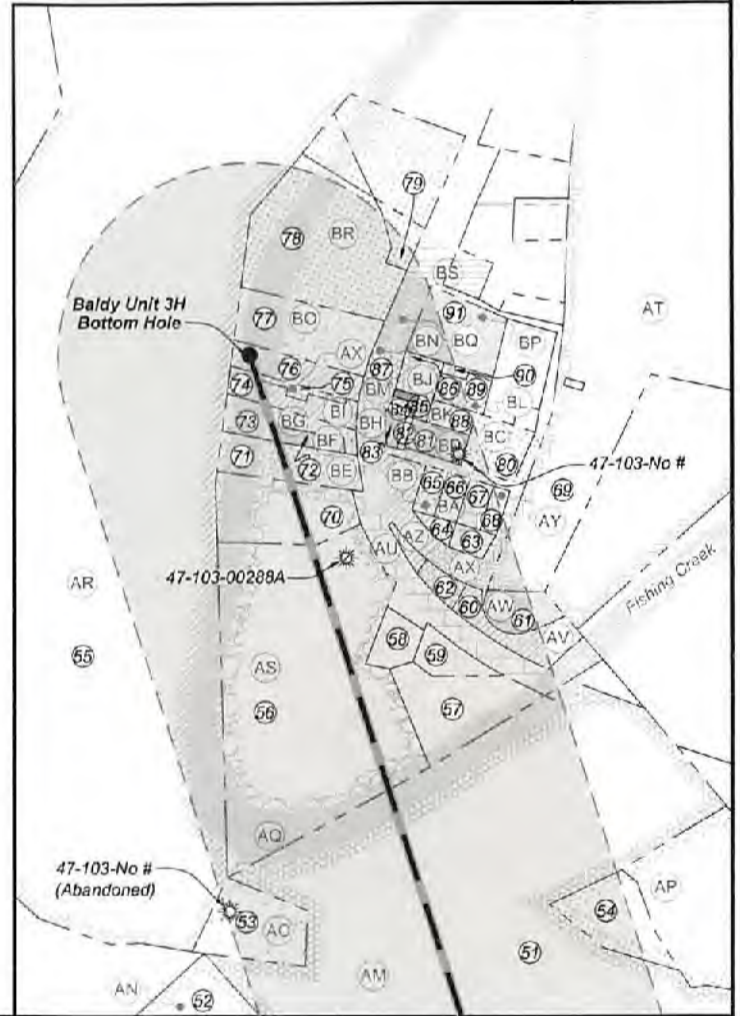
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Detail 1 (1"=500')



Detail 2 (1"=500')



FILE NO: 109-34-G-18  
 DRAWING NO: Baldy 3H Well Plat  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY:  
Submeter  
 PROVEN SOURCE OF ELEVATION:  
CORS, Monroe County, OH

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

DATE: April 8 2022  
 OPERATOR'S WELL NO. Baldy Unit 3H  
 API WELL NO M00  
47 - 103 - 03480  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: Existing 1,237' Proposed 1,206' WATERSHED: Fishing Creek QUADRANGLE: Porter Falls  
 DISTRICT: Green Margaret SURFACE OWNER: Lancaster COUNTY: Wetzel  
 ROYALTY OWNER: Shiben Estates, Inc. (2); Ridgeloop Royalties, LLC (2); Lee & Hall Royalties; Dale L. Fox; LEASE NO: \_\_\_\_\_ ACREAGE: 39.00  
 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: 7,400' TVD  
30,400' 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

APR 20 2022



**Antero Resources**  
**Well No. Baldy 3H**  
**BHL MOD**  
 Antero Resources Corporation



Page 3 of 3

Leases	
A	Shiben Estates, Inc.
B	Randy Bradley
C	Richard R. & Mary J. Scyoc
D	Shiben Estates, Inc.
E	Thomas J. Iacoboni Revocable Trust
F	Margaret Lancaster
G	Cecil E. Lancaster
H	Betty S. Burns
I	Black Gold Group, LTD
J	Crystal A. Muzzy
K	Jim R. McHenry
L	Sally Lou Anderson
M	H. Dorn Higginbotham
N	Richard R. & Mary J. Scyoc
O	Chesapeake Appalachia, LLC
P	Joyce E. Henry
Q	David A. Dickey
R	Dale L. Fox
S	Kevin S. Goff, et ux
T	Shiben Estates, Inc.
U	Harry I. Elson
V	Chesapeake Appalachia, LLC
W	Thomas W. Lins
X	Kenneth Stewart Keystone Trust
Y	Gladys E. Conley Trust
Z	Chesapeake Appalachia, LLC

Leases	
AA	Wilbur Dawson
AB	Donald E. Dawson, et ux
AC	Chesapeake Appalachia, LLC
AD	Garnet Gas Company
AE	Lee & Hall Royalties
AF	Five Star Resources
AG	Ridgeway Royalties, LLC
AH	Paul H. Abel
AI	Martin E. Rodgers
AJ	Ridgeway Royalties, LLC
AK	Ridgeway Royalties, LLC
AL	Ridgeway Royalties, LLC
AM	Leslie A. Lively
AN	Phillip W. Wiley
AO	Frances C. Fluharty
AP	Emma Ruth Taylor
AQ	WVDNR
AR	Bradley W. Ueltschey, et ux
AS	Mark W. Booth
AT	SanDae Nieboer Stratley
AU	CSX Transportation
AV	Michelle R. Mason
AW	SanDae Nieboer Stratley
AX	Phillip W. Wiley
AY	Barbara Sue Thomas
AZ	Antero Minerals

Leases	
BA	Joyce Cain
BB	Jeffrey J. Ellis
BC	Steven J. Melott
BD	Joyce Cain
BE	Joyce Cain
BF	Valley Land Group, LLC
BG	Rodney Dale Weekley, et ux
BH	Raymond E. Lasure, et ux
BI	Kimberly A. Miller
BJ	Raymond E. Lasure, et ux
BK	Allan G. Cain, et ux
BL	Jodie J. Dawson
BM	Rodney Dale Weekley, et ux
BN	Raymond E. Lasure, et ux
BO	Rodney Dale Weekley, et ux
BP	Amelia Ann Booher & Roy L. Vancamp
BQ	WV State Road Commission
BR	Lee E. Bassett, et ux
BS	David Wilson

ID	TM-Par	Owner	Bk/Pg	Acres
1	19-31	Margaret Lancaster	333 / 440	39.00
2	19-30	Richard R. & Mary J. Scyoc	452 / 177	13.00
3	19-52	Joshua Highley	464 / 208	8.01
4	-	Garrett Cemetery	85 / 62	1.80
5	12-27	Crystal A. Muzzy (Tyler Co.)	W69 / 226	60.91
6	12-27.1	Timothy R. & Janette D. Long (Tyler Co.)	334 / 103	1.39
7	12-36	Timothy R. & Janette D. Long (Tyler Co.)	334 / 103	0.45
8	19-38.2	Timothy R. & Janette D. Long	406 / 178	0.25
9	19-53	Margaret Lancaster	333 / 440	1.75
10	19-39	Margaret Lancaster	W10 / 315	0.28
11	19-40	Crystal A. Muzzy	420 / 28	16.80
12	19-43	Crystal A. Muzzy	420 / 28	7.00
13	19-41	Sharon M. & Ronald L. Christenson	439 / 373	18.50
14	19-35	Sharon M. & Ronald L. Christenson	439 / 373	20.00
15	19-34	Sharon M. & Ronald L. Christenson	439 / 373	2.00
16	19-33	John A. Earnest	401 / 357	9.30
17	19-17.1	Zachary M. & Jessica N. Pittman	421 / 145	1.83
18	19-32	Margaret Lancaster	333 / 440	13.00
19	19-16.1	Richard R. & Mary J. Scyoc	445 / 20	2.74
20	19-17	John R. & Mary A. Horner	416 / 853	47.55
21	19-16	Richard R. & Mary J. Scyoc	443 / 336	73.96
22	19-22	John Sheldon Condit	309 / 312	24.25
23	16-61	Michael L. & Tina M. Adams	444 / 427	67.96
24	16-59.1	Mark Goldstein	435 / 308	25.00
25	16-59	Mark & Patti Goldstein	305 / 586	34.97
26	16-59.2	James L. & Martha Jo Stewart	288 / 330	4.50
27	16-55	James E. Newman	400 / 234	4.00
28	16-54	James E. Newman	400 / 234	8.00
29	16-45	James E. Newman	400 / 234	18.50
30	16-37	Garrett S. Estate	316 / 248	61.00
31	16-21.1	Mildred E. Caseman	W45 / 396	15.00
32	16-44	Kenneth E. Stewart Keystone Trust	424 / 821	48.30
33	16-29	Kenneth E. Stewart Keystone Trust	424 / 821	53.50
34	16-21	Mildred E. Caseman	W45 / 396	40.00
35	16-20	Bonita Andrich, et al	W70 / 243	79.03
36	16-8	Wilbur B. Dawson & Loretta P. Ueltschey	408 / 192	75.75
37	16-3	Wilbur B. Dawson & Loretta P. Ueltschey	408 / 192	49.80
38	16-3.1	Donald E. & Carolyn L. Dawson	332 / 114	10.00
39	16-2	Wilbur B. Dawson & Loretta P. Ueltschey	408 / 192	44.50
40	12-55	Bradley W. Ueltschey	330 / 37	109.00
41	12-54	Jeri L. & Donald H. Satterfield, Jr.	399 / 106	54.72
42	12-49.1	Gregory W. & April D. Ueltschey	370 / 125	3.45
43	12-49	John W. & Rosalie M. Ueltschey	362 / 403	88.55
44	12-54.1	Grady Norris Hairs	286 / 678	2.38
45	12-48	John W. & Rosalie M. Ueltschey	362 / 403	47.87
46	12-39	Martin E. Rodgers	421 / 621	60.00

ID	TM-Par	Owner	Bk/Pg	Acres
47	12-40	Martin E. Rodgers	363 / 413	0.33
48	12-30	Martin E. Rodgers	363 / 413	51.06
49	12-26	Martin E. Rodgers	419 / 493	50.40
50	12-27	Martin E. Rodgers	363 / 413	3.08
51	12-18	Leslie A. Lively	397 / 229	39.63
52	12-26.1	Phillip Wiley	361 / 471	8.25
53	12-18.3	Frances C. Fluharty	312 / 345	1.00
54	12-18.2	Charles A. Loy	331 / 320	1.18
55	7-50	Bradley W. & Kimberly Ueltschey	342 / 710	79.78
56	12-2	Brian K. & Rebecca A. Starkey	467 / 695	7.50
57	31-35	Kenneth Scyoc, et al	AP10 / 559	1.10
58	31-34	Kenneth Scyoc, et al	AP10 / 556	0.39
59	-	Blanche Mae Richmond Estate	191 / 427	0.25
60	31-19	Paul Abel Trust	328 / 377	0.66
61	12-3	Easterling Trust	446 / 376	0.50
62	31-18	Phillip Wiley	379 / 245	0.33
63	31-17	Barbara Sue Thomas	457 / 139	0.17
64	31-13	Leslie S. Leak	489 / 931	0.25
65	31-14	Jeffrey J. Ellis	466 / 868	0.17
66	31-15	Carl J. Lancaster Estate	W66 / 516	0.17
67	31-16.1	Barbara Sue Thomas	457 / 139	0.16
68	31-16	Barbara Sue Thomas	457 / 139	0.11
69	7-53	Brenda G. Easterling Trust	446 / 378	32.98
70	31-33	Brian K. & Rebecca A. Starkey	467 / 695	1.50
71	31-32	Carl J. Lancaster Estate	W66 / 516	0.90
72	31-3	Richard A. & Marci L. Cain	440 / 255	0.17
73	31-31	Rodney D. & Deirdra D. Weekley	421 / 658	0.34
74	31-29	Kimberly A. Miller	406 / 527	0.25
75	31-30	Phillip Wiley	379 / 249	0.11
76	31-27.1	Kimberly A. Miller	406 / 527	0.15
77	31-27	Rodney D. Weekley	302 / 79	1.40
78	31-23	Lee E. & Charlotte D. Bassett	395 / 29	1.42
79	31-22	Lee E. & Charlotte D. Bassett	395 / 29	0.50
80	31-11	Christina Booher	482 / 44	0.47
81	31-28	Carl J. Lancaster Estate	W66 / 516	0.28
82	31-26.1	Michael or Melissa Scyoc	461 / 681	0.06
83	31-26	Raymond E. & Catherine H. Lasure	249 / 435	0.09
84	31-25	Raymond E. & Catherine H. Lasure	258 / 151	0.03
85	31-24	Raymond E. & Catherine H. Lasure	249 / 435	0.03
86	31-12	Rodney D. Weekley	302 / 79	0.03
87	31-12.2	Raymond E. & Catherine H. Lasure	249 / 435	0.28
88	31-12.3	Allen G. & Joyce E. Cain	316 / 133	0.16
89	31-12.1	Jody J. Dawson	344 / 149	0.25
90	31-7.1	Jody J. Dawson	344 / 149	0.06
91	31-7	Danny R. & Christina F. Booher	285 / 134	0.90

FILE NO: 109-34-G-18

DRAWING NO: Baldy 3H Well Plat

SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY:  
Submeter

PROVEN SOURCE OF ELEVATION:  
CORS, Monroe County, OH

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

DATE: April 8 20 22

OPERATOR'S WELL NO. Baldy Unit 3H

API WELL NO **1613**

47 - 103 - 03480  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

Existing 1,237' QUADRANGLE: Porter Falls  
 LOCATION: ELEVATION: Proposed 1,206' WATERSHED: Fishing Creek COUNTY: **Wetzel**

DISTRICT: **Green** Margaret SURFACE OWNER: **Lancaster**  
 ROYALTY OWNER: Shiben Estates, Inc. (2); Ridgeway Royalties, LLC (2); Lee & Hall Royalties; Dale L. Fox; LEASE NO: \_\_\_\_\_ ACREAGE: **39.00**

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: 7,400' TVD 30,400' MD

WELL OPERATOR: Antero Resources Corporation

ADDRESS: 1615 Wynkoop Street  
 Denver, CO 80202

DESIGNATED AGENT: Dianna Stamper - CT Corporation System

ADDRESS: 5400 D Big Tyler Road  
 Charleston, WV 25313

RECEIVED  
 APR 30 2022

**Antero Resources**  
**Well No. Baldy 3H**  
**BHL MOD**  
 Antero Resources Corporation

Page 1 of 3

8,215' to Bottom Hole

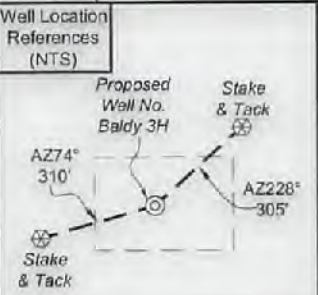
TOP HOLE LATITUDE 39 - 32 - 30  
 BTM HOLE LATITUDE 39 - 35 - 00



MATCH LINE  
 Page 2

**Notes**  
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
 Well No. Baldy Unit 3H Top Hole coordinates are  
 N: 376,164.29' Latitude: 39°31'33.34"  
 E: 1,844,024.54' Longitude: 80°45'43.20"  
 Bottom Hole coordinates are  
 N: 395,762.89' Latitude: 39°34'46.39"  
 E: 1,639,465.90' Longitude: 80°46'44.92"  
 UTM Zone 17, NAD 1983  
 Top Hole Coordinates Bottom Hole Coordinates  
 N: 4,375,177.832m N: 4,381,125.482m  
 E: 520,470.525m E: 518,982.567m  
 Plat orientation and corner and well references are based upon the grid north meridian.  
 Well location references are based upon the magnetic meridian.

LONGITUDE 80 - 45 - 00  
 1,378' to Bottom Hole  
 5,733' to Top Hole

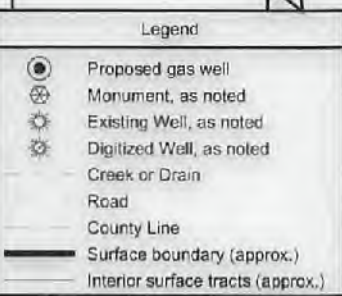
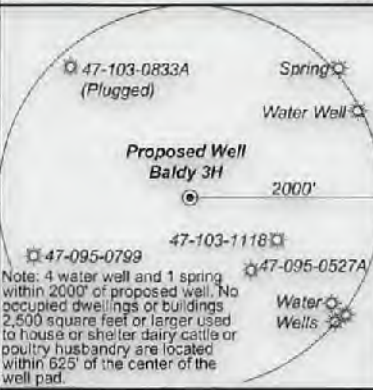
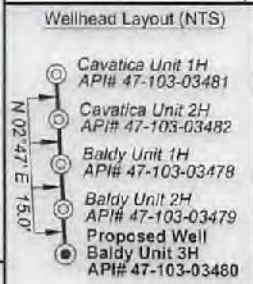


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

*Bradley D. Miller*  
 Bradley D. Miller, P.S. 2167

**Notes:**  
 Well No. Baldy Unit 3H UTM Zone 17, NAD 1927  
 Top Hole Coordinates  
 N: 14,353,514.07'  
 E: 1,707,529.34'  
 Point of Entry Coordinates  
 N: 14,353,812.12'  
 E: 1,709,161.63'  
 Bottom Hole Coordinates  
 N: 14,373,027.28'  
 E: 1,702,646.84'

Bearing	Dist.
L1 S 39°59' E	1,996.7'
L2 S 22°16' W	1,694.4'
L3 S 50°48' W	2,111.3'
L4 S 66°48' W	1,962.4'
L5 N 80°36' E	1,659.8'



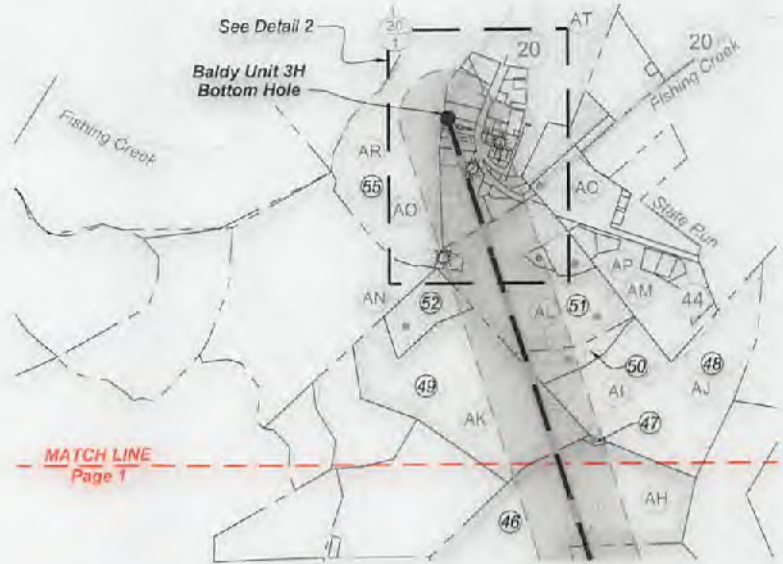
FILE NO: 109-34-G-18  
 DRAWING NO: Baldy 3H Well Plat  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: Submeter  
 PROVEN SOURCE OF ELEVATION: CORS, Monroe County, OH

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

DATE: April 8 20 22  
 OPERATOR'S WELL NO. Baldy Unit 3H  
 API WELL NO. **MAD**  
 47 - 103 - 03480  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: Existing 1,237' Proposed 1,206' WATERSHED: Fishing Creek QUADRANGLE: Porter Falls  
 DISTRICT: Green Margaret COUNTY: Wetzel  
 SURFACE OWNER: Lancaster LEASE NO: 05/13/2022  
 ROYALTY OWNER: Shiben Estates, Inc. (2); Ridgeway Royalties, LLC (2); Lee & Hall Royalties; Dale L. Fox; ACREAGE: 39.00  
 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: 7,400' TVD 30,400' MD

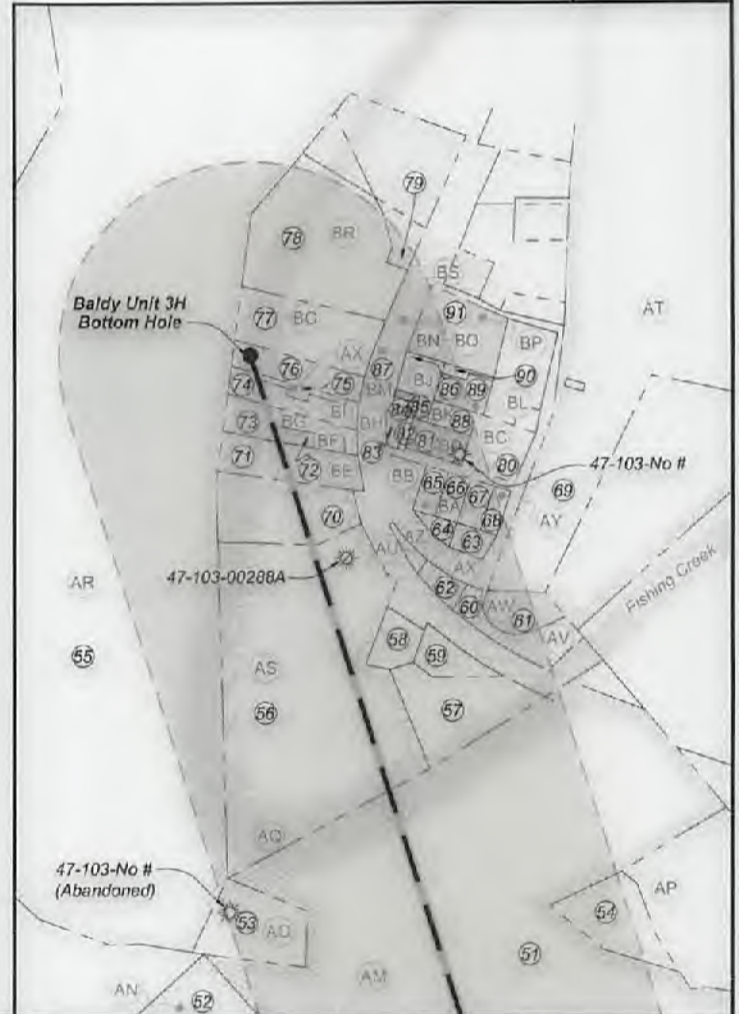
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System  
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road  
 Denver, CO 80202 Charleston, WV 25313



Detail 1 (1"=500')



Detail 2 (1"=500')



FILE NO: 109-34-G-18  
DRAWING NO: Baldy 3H Well Plat  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY:  
Submeter  
PROVEN SOURCE OF ELEVATION:  
CORS, Monroe County, OH

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

DATE: April 8 20 22  
OPERATOR'S WELL NO. Baldy Unit 3H  
API WELL NO. M10  
47 - 103 - 03480  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION: Existing 1,237' Proposed 1,206' WATERSHED: Fishing Creek QUADRANGLE: Porter Falls

DISTRICT: Green Margaret COUNTY: Wetzel

SURFACE OWNER: Lancaster LEASE NO: ACREAGE: 39.00

ROYALTY OWNER: Shiben Estates, Inc. (2); Ridgetop Royalties, LLC (2); Lee & Hall Royalties; Dale L. Fox; ACREAGE: 9.375; 61; 4.75

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: 7,400' TVD 30,400' MD

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

05/13/2022

**Antero Resources**  
**Well No. Baldy 3H**  
**BHL MOD**  
 Antero Resources Corporation



Leases	
A	Shiben Estates, Inc.
B	Randy Bradley
C	Richard R. & Mary J. Scyoc
D	Shiben Estates, Inc.
E	Thomas J. Iacaboni Revocable Trust
F	Margaret Lancaster
G	Cecil E. Lancaster
H	Boity S. Burns
I	Bleck Gold Group, LTD
J	Crystal A. Muzzy
K	Jim R. McHenry
L	Sally Lou Anderson
M	H. Dorn Higginbotham
N	Richard R. & Mary J. Scyoc
O	Chesapeake Appalachia, LLC
P	Joyce E. Henry
Q	David A. Dickey
R	Dale L. Fox
S	Kevin S. Goff, et ux
T	Shiben Estates, Inc.
U	Harry J. Elson
V	Chesapeake Appalachia, LLC
W	Thomas W. Lins
X	Kenneth Stewart Keystone Trust
Y	Gladys E. Conlay Trust
Z	Chesapeake Appalachia, LLC

Leases	
AA	Wilbur Dawson
AB	Donald E. Dawson, et ux
AC	Chesapeake Appalachia, LLC
AD	Garnet Gas Company
AE	Lee & Hall Royalties
AF	Five Star Resources
AG	Ridgeloop Royalties, LLC
AH	Paul H. Abel
AI	Marlin E. Rodgers
AJ	Ridgeloop Royalties, LLC
AK	Ridgeloop Royalties, LLC
AL	Ridgeloop Royalties, LLC
AM	Leslie A. Lively
AN	Phillip W. Wiley
AO	Frances C. Fluharty
AP	Emma Ruth Taylor
AQ	WVDNR
AR	Bradley W. Ueltschy, et ux
AS	Mark W. Booth
AT	SanDee Nieboer Stradley
AU	CSX Transportation
AV	Michelle R. Mason
AW	SanDee Nieboer Stradley
AX	Phillip W. Wiley
AY	Barbara Sue Thomas
AZ	Antero Minerals

Leases	
BA	Joyce Cain
BB	Jeffrey J. Ellis
BC	Stevan J. Meloit
BD	Joyce Cain
BE	Joyce Cain
BF	Valley Land Group, LLC
BG	Rodney Dale Weekley, et ux
BH	Raymond E. Lasure, et ux
BI	Kimberly A. Miller
BJ	Raymond E. Lasure, et ux
BK	Allen G. Cain, et ux
BL	Jodie J. Dawson
BM	Rodney Dale Weekley, et ux
BN	Raymond E. Lasure, et ux
BO	Rodney Dale Weekley, et ux
BP	Amelia Ann Booher & Roy L. Vancamp
BQ	WV State Road Commission
BR	Lee E. Bassett, et ux
BS	David Wilson

ID	TM-Par	Owner	Bk/Pg	Acres
1	19-31	Margaret Lancaster	333 / 440	39.00
2	19-30	Richard R. & Mary J. Scyoc	452 / 177	13.00
3	19-52	Joshua Highley	484 / 208	8.01
4	-	Garrett Cemetery	85 / 62	1.80
5	12-27	Crystal A. Muzzy (Tyler Co.)	W69 / 226	60.91
6	12-27.1	Timothy R. & Janelle D. Long (Tyler Co.)	334 / 103	1.39
7	12-36	Timothy R. & Janelle D. Long (Tyler Co.)	334 / 103	0.45
8	19-38.2	Timothy R. & Janelle D. Long	406 / 178	0.25
9	19-53	Margaret Lancaster	333 / 440	1.75
10	19-39	Margaret Lancaster	W10 / 315	0.28
11	19-40	Crystal A. Muzzy	420 / 28	15.80
12	19-43	Crystal A. Muzzy	420 / 28	7.00
13	19-41	Sharon M. & Ronald L. Christenson	430 / 373	18.50
14	19-35	Sharon M. & Ronald L. Christenson	430 / 373	20.00
15	19-34	Sharon M. & Ronald L. Christenson	430 / 373	2.00
16	19-33	John A. Earnest	401 / 357	9.30
17	19-17.1	Zachary M. & Jessica N. Pittman	421 / 145	1.83
18	19-32	Margaret Lancaster	333 / 440	13.00
19	19-16.1	Richard R. & Mary J. Scyoc	445 / 20	2.74
20	19-17	John R. & Mary A. Homer	416 / 853	47.55
21	19-16	Richard R. & Mary J. Scyoc	443 / 336	73.96
22	19-22	John Sheldon Condit	309 / 312	24.25
23	16-61	Michael L. & Tina M. Adams	444 / 427	67.96
24	16-59.1	Mark Goldstein	435 / 308	25.00
25	16-59	Mark & Patti Goldstein	305 / 586	34.97
26	16-59.2	James L. & Martha Jo Stewart	288 / 330	4.50
27	16-65	James E. Newman	400 / 234	4.00
28	16-64	James E. Newman	400 / 234	8.00
29	16-45	James E. Newman	400 / 234	18.50
30	16-37	Garrett S. Estate	316 / 248	61.00
31	16-21.1	Mildred E. Caseman	W45 / 396	15.00
32	16-44	Kenneth E. Stewart Keystone Trust	424 / 821	46.30
33	16-29	Kenneth E. Stewart Keystone Trust	424 / 821	53.50
34	16-21	Mildred E. Caseman	W45 / 396	40.00
35	16-20	Bonita Andrlich, et al	W70 / 243	79.03
36	16-8	Wilber B. Dawson & Loretta P. Ueltschy	408 / 192	75.75
37	16-3	Wilber B. Dawson & Loretta P. Ueltschy	408 / 192	49.80
38	16-3.1	Donald E. & Carolyn L. Dawson	332 / 114	10.90
39	16-2	Wilber B. Dawson & Loretta P. Ueltschy	408 / 192	44.50
40	12-55	Bradley W. Ueltschy	330 / 37	100.00
41	12-54	Jem L. & Donald H. Satterfield, Jr.	399 / 108	54.72
42	12-49.1	Gregory W. & April D. Ueltschy	370 / 125	3.45
43	12-49	John W. & Rosalie M. Ueltschy	362 / 403	86.55
44	12-54.1	Grady Norris Heirs	286 / 678	2.38
45	12-48	John W. & Rosalie M. Ueltschy	362 / 403	47.87
46	12-39	Marlin E. Rodgers	421 / 821	60.00

ID	TM-Par	Owner	Bk/Pg	Acres
47	12-40	Marlin E. Rodgers	383 / 413	0.33
48	12-30	Marlin E. Rodgers	383 / 413	51.08
49	12-28	Marlin E. Rodgers	419 / 493	50.40
50	12-27	Marlin E. Rodgers	383 / 413	3.08
51	12-18	Leslie A. Lively	387 / 229	39.63
52	12-26.1	Phillip Wiley	361 / 471	8.25
53	12-18.3	Frances C. Fluharty	312 / 345	1.00
54	12-18.2	Charles A. Loy	331 / 320	1.18
55	7-50	Bradley W. & Kimberly Ueltschy	342 / 710	79.78
56	12-2	Brian K. & Rebecca A. Starkey	467 / 695	7.50
57	31-35	Kenneth Scyoc, et al	AP10 / 559	1.10
58	31-34	Kenneth Scyoc, et al	AP10 / 559	0.39
59	-	Blanche Mae Richmond Estate	191 / 427	0.25
60	31-19	Paul Abel Trust	328 / 377	0.68
61	12-3	Easterling Trust	448 / 378	0.50
62	31-18	Phillip Wiley	379 / 245	0.33
63	31-17	Barbara Sue Thomas	457 / 139	0.17
64	31-13	Leslie S. Look	489 / 931	0.25
65	31-14	Jeffrey J. Ellis	468 / 888	0.17
66	31-15	Carl J. Lancaster Estate	W66 / 516	0.17
67	31-16.1	Barbara Sue Thomas	457 / 139	0.18
68	31-16	Barbara Sue Thomas	457 / 139	0.11
69	7-53	Brenda G. Easterling Trust	448 / 378	32.98
70	31-33	Brian K. & Rebecca A. Starkey	467 / 695	1.50
71	31-32	Carl J. Lancaster Estate	W66 / 516	0.90
72	31-3	Richard A. & Marc L. Cain	449 / 255	0.17
73	31-31	Rodney D. & Deirdra D. Weekley	421 / 658	0.34
74	31-29	Kimberly A. Miller	406 / 527	0.25
75	31-30	Phillip Wiley	379 / 249	0.11
76	31-27.1	Kimberly A. Miller	406 / 527	0.15
77	31-27	Rodney D. Weekley	302 / 79	1.40
78	31-23	Lee E. & Charlotte D. Bassett	395 / 29	1.42
79	31-22	Lee E. & Charlotte D. Bassett	395 / 29	0.50
80	31-11	Christina Booher	482 / 44	0.47
81	31-28	Carl J. Lancaster Estate	W66 / 516	0.28
82	31-26.1	Michael or Melissa Scyoc	461 / 681	0.06
83	31-26	Raymond E. & Catherine H. Lasure	249 / 435	0.09
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85	31-24	Raymond E. & Catherine H. Lasure	249 / 435	0.03
86	31-12	Rodney D. Weekley	302 / 79	0.03
87	31-12.2	Raymond E. & Catherine H. Lasure	249 / 435	0.28
88	31-12.3	Allen G. & Joyce E. Cain	315 / 133	0.16
89	31-12.1	Jody J. Dawson	344 / 149	0.25
90	31-7.1	Jody J. Dawson	344 / 149	0.06
91	31-7	Danny R. & Christina F. Booher	285 / 134	0.80

FILE NO: 109-34-G-18  
 DRAWING NO: Baldy 3H Well Plat  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY:  
 Submeter  
 PROVEN SOURCE OF ELEVATION:  
 CORS, Monroe County, OH

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

DATE: April 8 20 22  
 OPERATOR'S WELL NO. Baldy Unit 3H  
 API WELL NO. 1410  
 47 - 103 - 03480  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 Existing 1,237'  
 LOCATION: ELEVATION: Proposed 1,208' WATERSHED: Fishing Creek QUADRANGLE: Porter Falls  
 DISTRICT: Green Margaret COUNTY: Wetzel  
 SURFACE OWNER: Lancaster  
 ROYALTY OWNER: Shiben Estates, Inc. (2); Ridgeloop Royalties, LLC (2); Lee & Hall Royalties; Dale L. Fox; LEASE NO: ACREAGE: 9.375; 61; 4.75  
 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: 7,400' TVD  
 30,400' MD

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

05/13/2022

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)

WV Department of  
Environmental Protection

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
<u>A: Shiben Estates LLC Lease</u> Shiben Estates LLC	Antero Resources Corporation	1/8+	255A/0681
<u>D: Shiben Estates LLC Lease</u> Shiben Estates LLC	Antero Resources Corporation	1/8+	265A/0259
<u>E: Thomas J. Iacoboni Revocable Trust Lease</u> Thomas J. Iacoboni Revocable Trust Agreement	Antero Resources Corporation	1/8+	265A/0947
<u>H: Betty S. Burns Lease</u> Betty S. Burns	Antero Resources Corporation	1/8+	235A/0443
<u>F: Margaret Lancaster Lease</u> Margaret Lancaster	Antero Resources Corporation	1/8+	238A/0823
<u>N: Richard R. &amp; Mary J. Scyoc Lease</u> Richard R. Scyoc and Mary J. Scyoc husband and wife	Antero Resources Corporation	1/8+	200A/0205
<u>O: Chesapeake Appalachia, LLC Lease</u> Chesapeake Appalachia LLC SWN Production Company Antero Exchange Properties LLC	SWN Production Company Antero Exchange Properties LLC Antero Resources Corporation	1/8 Assignment Corporation	157A/0640 177A/0533 0013/0311
<u>P: Joyce E. Henry Lease</u> Joyce E. Henry a widow	Antero Resources Corporation	1/8+	179A/0591
<u>S: Kevin S. Goff, et al Lease</u> Kevin S. Goff and Melinda S. Goff	Antero Resources Corporation	1/8+	187A/0543
<u>R: Dale L. Fox Lease</u> Dale L. Fox	Antero Resources Corporation	1/8+	247A/0225
<u>U: Harry I. Elson Lease</u> Harry I. Elson	Antero Resources Corporation	1/8+	181A/0760
<u>V: Chesapeake Appalachia, LLC Lease</u> Chesapeake Appalachia LLC SWN Production Company Antero Exchange Properties LLC	SWN Production Company Antero Exchange Properties LLC Antero Resources Corporation	1/8 Assignment Merger	157A/0640 177A/0533 0013/0311
<u>Y: Gladys E. Conley Trust Lease</u> Gladys E. Conley Trust	Antero Resources Corporation	1/8+	180A/0443

\*CONTINUED ON NEXT PAGE

05/13/2022

Operator's Well Number Baldy Unit 3H MOD

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
<b><u>Z: Chesapeake Appalachia, LLC Lease</u></b>			
Chesapeake Appalachia LLC	SWN Production Company	1/8	157A/0640
SWN Production Company	Antero Exchange Properties LLC	Assignment	177A/0533
Antero Exchange Properties LLC	Antero Resources Corporation	Merger	0013/0311
<b><u>AA: Wilbur Dawson Lease</u></b>			
Wilbur B. Dawson	Antero Resources Corporation	1/8+	252A/0881
<b><u>AE: Lee &amp; Hall Royalties Lease</u></b>			
Lee & Hall Royalties	Antero Resources Corporation	1/8+	246A/0701
<b><u>AD: Garnet Gas Company</u></b>			
Garnet Gas Corporation, A West Virginia Corporation	Antero Resources Corporation	1/8+	189A/0070
<b><u>AE: Lee &amp; Hall Royalties Lease</u></b>			
Lee & Hall Royalties	Antero Resources Corporation	1/8+	246A/0701
<b><u>AH: Paul H. Abel Lease</u></b>			
Paul H. Abel	Antero Resources Corporation	1/8+	184A/0164
<b><u>AK: Ridgetop Royalties, LLC Lease</u></b>			
Ridgetop Royalties, LLC	Antero Resources Corporation	1/8+	231A/0815
<b><u>AL: Ridgetop Royalties, LLC Lease</u></b>			
Ridgetop Royalties, LLC	Antero Resources Corporation	1/8+	236A/0463
<b><u>AM: Leslie A. Lively Lease</u></b>			
Leslie Lively	Antero Resources Corporation	1/8+	204A/0835
<b><u>AQ: WVDNR Lease</u></b>			
WVDNR	Antero Resources Corporation	1/8+	256A/0524
<b><u>AS: Mark W. Booth Lease</u></b>			
Mark W. Booth	Antero Resources Corporation	1/8+	240A/0634
<b><u>BF: Joyce Cain</u></b>			
Joyce Cain	Antero Resources Corporation	1/8+	219A/0125
<b><u>BG: Valley Land Group, LLC</u></b>			
Valley Land Group, LLC	Antero Resources Corporation	1/8+	231A/0518

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\*CONTINUED ON NEXT PAGE

WV Department of  
Environmental Protection 05/13/2022

WW-6A1

Operator's Well Number Baldy Unit 3H MOD

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
<b><u>BH: Rodney Dale Weekley, et ux Lease</u></b> Rodney Dale and Deidra D. Weekley EQT Production Company	EQT Production Company Antero Resources Corporation	1/8+ Assignment	239A/0914 269A/0442
<b><u>BJ: Kimberly A. Miller Lease</u></b> Kimberly A. Miller	Antero Resources Corporation	1/8+	220A/0550
<b><u>AQ: WVDNR Lease</u></b> WVDNR	Antero Resources Corporation	1/8+	256A/0524
<b><u>AX: Phillip W. Wiley Lease</u></b> Phillip Wiley	Antero Resources Corporation	1/8+	254A/0712

\*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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WW-6A1  
(5/13)

Operator's Well No. Baldy Unit 3H MOD

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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 –

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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:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
AQ: <u>WVDNR Lease</u>	WVDNR	Antero Resources Corporation	1/8+	256A/0524

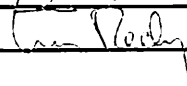
\*Partial Assignments to Antero Resources Corporation include 100% rights to extract, produce and market the oil and gas from the Marcellus and any other formations completed with this well.

**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. RECEIVED  
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Well Operator: Antero Resources Corporation APR 20 2022  
 By: Tim Rady  WV Department of  
Environmental Protection  
 Its: VP of Land





Stansberry, Wade A &lt;wade.a.stansberry@wv.gov&gt;

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**Expedited Modification H6A Horizontal Well Work Permit (API: 47-103-03478, 03479, 03480)**

1 message

**Stansberry, Wade A** <wade.a.stansberry@wv.gov>

Fri, May 13, 2022 at 12:11 PM

To: Mallory Stanton &lt;mstanton@anteroresources.com&gt;, Diane Blair &lt;dblair@anteroresources.com&gt;, Dani DeVito &lt;ddevito@shalepro.com&gt;, Scott Lemley &lt;slemley@wvassessor.com&gt;, "Greynolds, Kenneth L" &lt;kenneth.l.greynolds@wv.gov&gt;

I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

**47-103-03478 - BALDY UNIT 1H**  
**47-103-03479 - BALDY UNIT 2H**  
**47-103-03480 - BALDY UNIT 3H**

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

**Wade A. Stansberry**

**Environmental Resource Specialist 3**

**West Virginia Department of Environmental Protection**

**Office of Oil & Gas**

**601 57th St. SE**

**Charleston, WV 25304**


**(304) 926-0499 ext. 41115**


**(304) 926-0452 fax**


**[Wade.A.Stansberry@wv.gov](mailto:Wade.A.Stansberry@wv.gov)**


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**4 attachments**

 **47-103-03478 - mod.pdf**  
1351K

 **47-103-03479 - mod.pdf**  
1632K

 **47-103-03480 - mod.pdf**  
1549K

 **47-103-03480 - mod.pdf**  
1549K

**05/13/2022**



April 19, 2022

Antero Resources  
1615 Wynkoop Street  
Denver, CO 80202  
Office 303.357.7310  
Fax 303.357.7315

West Virginia Department of Environmental Protection  
Office of Oil and Gas  
Attn: Mr. Taylor Brewer  
601 57<sup>th</sup> Street  
Charleston, WV 25304

Ch# 4007061  
\$5000<sup>00</sup>  
4/7/22

Mr. Brewer:

Antero Resources Corporation (Antero) would like to submit the following permit modifications for approved well on the existing Red Lady Pad; Baldy Unit 3H (

Attached you will find the following:

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

If you have any questions please feel free to call me at (303) 357-7182.

Thank you in advance for your

Sincerely,

Mallory Stanton  
Permitting Manager  
Antero Resources Corporation

Enclosures

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WV Department of  
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05/13/2022

47 10 30 34 80

**VOID**

UWI (API Num)	Well Name	Well Number	Operator	Historical Operator	TD	Perforated Interval (shallowest, deepest)	Perforated Formation(s)	Productible Formation(s) not perf'd
47095005270000	HAWKINS B F	7	PENNZOIL CO INC	SOUTH PENN OIL	1,852	1809 - 1820	Big Injun	Weir, Berea, Benson, Alexander
47103011180000	JOHN SOLE	3	TRIBUNE RES LLC	PENNZOIL CO INC	3,132	2250 - 3076	Big Injun, Gordon	Weir, Berea, Benson, Alexander
47103009880000	ISAAC HOGUE	14	PENNZOIL CO INC	PENNZOIL CO INC	3,153		Gordon	Weir, Berea, Benson, Alexander
47103005460000	HARRY EBERT	4806	MANUFACT LIGHT & HEAT	MANUFACT LIGHT & HEAT	1,796		Maxton	Weir, Berea, Benson, Alexander
47103002880000	L S WALTERS	4	CONSOLIDATION COAL	SOUTH PENN OIL	1,160		Bufflo 5s/1st Cow Run	Weir, Berea, Benson, Alexander

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05/13/2022