

Antero Resources
Well No. Lyle 2H

Antero Resources Corporation



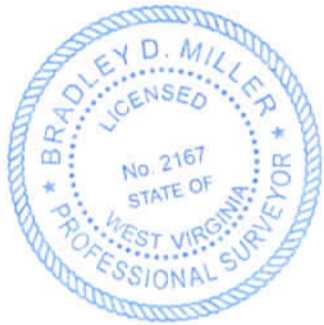
Well Location References



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.

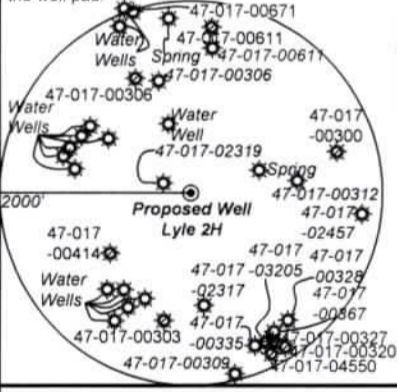
Bradley D. Miller

Bradley D. Miller, P.S. 2167



SEAL

Note: 14 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.



	Bearing	Dist.
L1	S 77°19' E	1,187.8'
L2	S 41°28' E	1,771.9'
L3	S 80°39' W	1,099.6'
L4	N 32°12' E	1,558.5'
L5	S 70°24' W	1,343.6'

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

Sheet 1 of 3

9,032' to Top Hole

7,711' to Bottom Hole

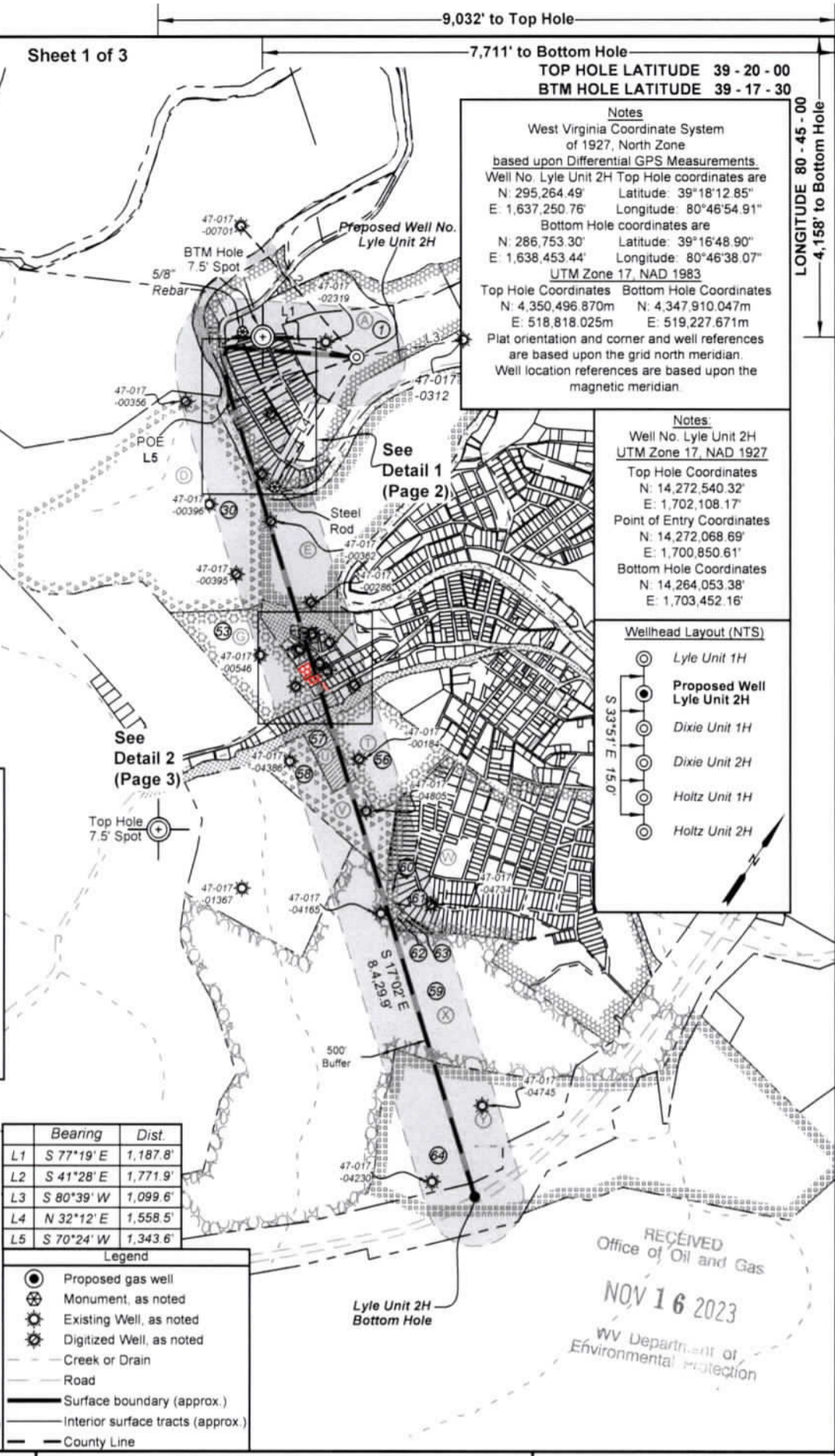
TOP HOLE LATITUDE 39 - 20 - 00
BTM HOLE LATITUDE 39 - 17 - 30

Notes

West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Lyle Unit 2H Top Hole coordinates are
N: 295,264.49' Latitude: 39°18'12.85"
E: 1,637,250.76' Longitude: 80°46'54.91"
Bottom Hole coordinates are
N: 286,753.30' Latitude: 39°16'48.90"
E: 1,638,453.44' Longitude: 80°46'38.07"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,350,496.870m N: 4,347,910.047m
E: 518,818.025m E: 519,227.671m
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
4,158' to Bottom Hole

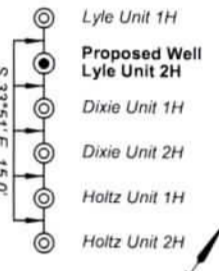
10,841' to Top Hole



Notes

Well No. Lyle Unit 2H UTM Zone 17, NAD 1927
Top Hole Coordinates
N: 14,272,540.32'
E: 1,702,108.17'
Point of Entry Coordinates
N: 14,272,068.69'
E: 1,700,850.61'
Bottom Hole Coordinates
N: 14,264,053.38'
E: 1,703,452.16'

Wellhead Layout (NTS)



See Detail 2 (Page 3)

See Detail 1 (Page 2)

RECEIVED
Office of Oil and Gas
NOV 16 2023
WV Department of Environmental Protection

FILE NO: 59-30-WU-14
DRAWING NO: Lyle Unit 2H BHL MOD
SCALE: 1" = 1000'
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: September 22 2023
OPERATOR'S WELL NO. Lyle Unit 2H
API WELL NO
47 - 017 -
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built: 886' WATERSHED: Middle Island Creek QUADRANGLE: West Union
DISTRICT: West Union Antero COUNTY: Doddridge
SURFACE OWNER: Resources, Corp. ACREAGE: 16.5
ROYALTY OWNER: Claude F. Smith, et ux. LEASE NO: ACREAGE: 90.

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ 7,000' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 17,800' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis
ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
Denver, CO 80202 Bridgeport, WV 26330

Antero Resources Corporation



RECEIVED
Office of Oil and Gas
NOV 16 2023
WV Department of
Environmental Protection

FILE NO: 59-30-WU-14
DRAWING NO: Lyle Unit 2H BHL MOD
SCALE: 1" = 1000'
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: September 22 2023
OPERATOR'S WELL NO. Lyle Unit 2H
API WELL NO
47 - 017 -
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: As-Built: 886' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: West Union
DISTRICT: West Union Antero COUNTY: Doddridge
SURFACE OWNER: Resources, Corp. ACREAGE: 16.5
ROYALTY OWNER: Claude F. Smith, et ux; LEASE NO: ACREAGE: 90;
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ 7,000' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 17,800' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis
ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
Denver, CO 80202 Bridgeport, WV 26330

Antero Resources Corporation



Leases	
A	Claude F. Smith, et ux
B	WVDNR
C	WVDNR
D	Claude F. Smith, et ux
E	J.M.L. Smith
F	XTO Energy, Inc.
G	TBB Consulting, LLC
H	TBB Consulting, LLC
I	Cheryl Ann Tarbet
J	Nancy Ody
K	Kenneth R. Mason, et ux
L	Paul Lister
M	Pooled Tract
N	Donna R. Campbell, et al
O	Pooled Tract
P	Wilma Smith
Q	Amanda Lin Iden
R	Dennis H. Powell
S	West Virginia State Rail Authority
T	John C. Farr
U	John C. Farr
V	Harry E. Cline
W	Mary A. Stuart, et al
X	Celia Schulte, et al
Y	Joseph Cheuvront & W.S. Stuart

ID	TM-Par	Owner	Bk/Pg	Acres
1	11-3	Antero Resources Corp.	431/528	16.50
2	35-91	Antero Resource Corp	430/666	0.23
3	35-92	Antero Resources Corp.	430/666	0.23
4	35-3	Antero Resources Corp.	430/666	0.23
5	35-93	Antero Resources Corp.	430/666	0.23
6	35-94	Antero Resource Corp.	430/666	0.36
7	35-72	Robert M. Cutright	170/723	0.23
8	35-73	Robert M. Cutright	170/723	0.23
9	35-74	Larry D. Patterson	240/110	0.23
10	35-75	Larry D. Patterson	240/110	0.23
11	11-2.2	Volusia Ventures LLC	476/92	0.30
12	35-51	Danny G. Rowe	256/558	0.23
13	35-14	Danny G. Rowe	256/558	0.23
14	35-52	Danny G. Rowe	256 / 558	0.23
15	35-19	Sharon A. Ferrell & Charles Dale Allen	469/579	0.81
16	35-38	Michael L. Smith & Joseph M. Smith	365/407	0.31
17	35-39	Michael L. Smith & Joseph M. Smith	365/407	0.60
18	35-40	Michael L. Smith & Joseph M. Smith	365/407	0.33
19	35-20	Michael L. Smith & Joseph M. Smith	365/407	0.44
20	35-41	Michael L. Smith & Joseph M. Smith	365/407	0.23
21	35-42	Michael L. Smith & Joseph M. Smith	365/407	0.23
22	35-43	Joshua A. & Kimberly D. Weekley	273/124	0.23
23	35-21	Joshua A. & Kimberly D. Weekley	273/124	0.69
24	35-22	Joshua A. & Kimberly D. Weekley	273/124	0.24
25	35-23	Joshua A. & Kimberly D. Weekley	273/124	0.25
26	35-24	Joshua A. & Kimberly D. Weekley	273/124	0.26
27	35-44	Ralph P. & Shelia R. McCutchan	205/263	0.30
28	35-25	Ralph P. & Shelia R. McCutchan	205/263	0.44
29	35-45	Ralph P. & Shelia R. McCutchan	205/263	0.17
30	11-13.2	Frank E. McGill	429/448	199.30
31	33-1	Russell Franklin & R. Leroy Kinney	236/519	4.94
32	33-66	Franklin R. & R. Leroy Kinney	236/519	0.09
33	33-67	Franklin R. & R. Leroy Kinney	236/519	0.09
34	33-65	Franklin R. & R. Leroy Kinney	236/519	0.11
35	33-68	Franklin R. & R. Leroy Kinney	236/519	0.09
36	33-64	Cheryl Ann Tarbet	W119/228	0.10
37	33-69	Franklin R. & R. Leroy Kinney	236/519	0.11
38	33-70	Franklin R. & R. Leroy Kinney	236/519	0.07
39	33-3	Cheryl Ann Tarbet	W119/228	0.11
40	33-63	Cheryl Ann Tarbet	W119/228	0.11
41	33-6	Ralph Percy	68/317	0.14
42	33-4	Roy L. Smith, et al	W18/117	0.21
43	33-5	Cheryl Ann Tarbet	W119/228	0.24
44	33-60	Steven & James Carpenter	233/556	0.34
45	33-9	Paul Lister, et al	234/531	0.11
46	33-10	Paul Lister, et al	234/531	0.13
47	33-56	Steven & James Carpenter	233/556	0.11
48	33-16	Steven & James Carpenter	233/556	0.11
49	33-57	Steven & James Carpenter	233/556	0.11
50	33-58	Donna R. Campbell	462/328	0.11
51	33-23	Wilma Smith	283/427	0.26
52	33-24	William T. Howell III	510/559	0.10
53	11-20	Nora Summers Est.	113/488	18.31
54	33-51	Dennis H. Powell	279/480	0.53
55	33-52	Amanda Lin Iden	493/453	0.44
56	11-38	John C. Farr	234/91	17.90
57	11-37	John C. Farr	234/91	4.00
58	11-38.1	John C. Farr	234/91	17.90
59	15-3	E Properties LTD	201/396	186.86
60	31-194	George J. Buff III & J. Charles Buff	377/517	0.53
61	31-237	George J. Buff III & J. Charles Buff	377/517	0.22
62	31-238	George J. Buff III & J. Charles Buff	377/517	0.24
63	31-239	George J. Buff III & J. Charles Buff	377/517	0.28
64	15-4	E Properties LTD	201/396	115.03

RECEIVED
Office of Oil and Gas

NOV 16 2023

WV Department of
Environmental Protection

FILE NO: 59-30-WU-14
DRAWING NO: Lyle Unit 2H BHL MOD
SCALE: 1" = 1000'
MINIMUM DEGREE OF ACCURACY:
Submeter
PROVEN SOURCE OF ELEVATION:
WV DOT, Harrisville, WV

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

DATE: September 22 2023

OPERATOR'S WELL NO. Lyle Unit 2H

API WELL NO

47 - 017 -
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built: 886' WATERSHED: Middle Island Creek QUADRANGLE: West Union

DISTRICT: West Union Antero COUNTY: Doddridge

SURFACE OWNER: Resources, Corp. ACREAGE: 16.5

ROYALTY OWNER: Claude F. Smith, et ux. LEASE NO: ACREAGE: 90.

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,000' TVD 17,800' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis
ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
Denver, CO 80202 Bridgeport, WV 26330