

8,562' to Bottom Hole

4,473' to Top Hole
TOP HOLE LATITUDE 39 - 30 - 00
BTM HOLE LATITUDE 39 - 32 - 30

LONGITUDE 80 - 57 - 30

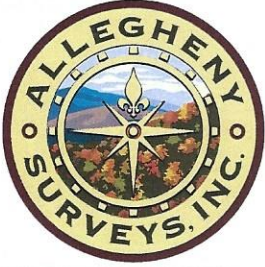
5,106' to Bottom Hole

5,493' to Top Hole

Antero Resources
Well No. Loki 1H
BHL MOD

Antero Resources Corporation

PAGE 1 of 2



Well Location References (NTS)

Proposed Well No. Loki 1H



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.

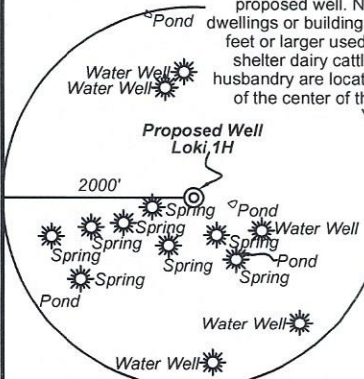
Bradley D. Miller

Bradley D. Miller, P.S. 2167



SEAL

Note: 5 water wells 8 springs and 4 ponds 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.



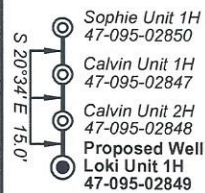
Legend

- 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.)
- District Line

Notes
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Well No. Loki Unit 1H Top Hole coordinates are
N: 362,142.43' Latitude: 39°29'05.71"
E: 1,583,933.91' Longitude: 80°58'27.05"
Bottom Hole coordinates are
N: 377,770.65' Latitude: 39°31'39.54"
E: 1,580,097.72' Longitude: 80°59'19.28"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,370,599.878m N: 4,375,341.559m
E: 502,234.916m E: 500,986.783m
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. Loki Unit 1H
UTM Zone 17, NAD 1927
Top Hole Coordinates
N: 14,338,496.22'
E: 1,647,701.57'
Point of Entry Coordinates
N: 14,338,847.32'
E: 1,648,724.77'
Bottom Hole Coordinates
N: 14,354,052.88'
E: 1,643,606.38'

Wellhead Layout (NTS)



	Bearing	Dist.
L1	S 74°18' W	1,729.0'
L2	N 81°48' W	1,396.6'
L3	N 08°52' W	1,557.9'
L4	N 72°44' E	2,152.6'
L5	N 72°01' E	1,082.2'

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

FILE NO: 259-54-U-22
DRAWING NO: Loki Unit 1H BHL MOD
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

DATE: April 3 2023
OPERATOR'S WELL NO. Loki 1H
API WELL NO
47 - 095 - 02849
STATE COUNTY PERMIT

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

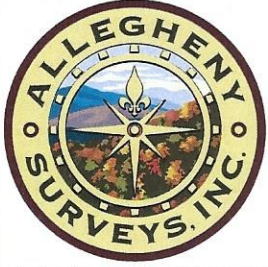
LOCATION: ELEVATION: As-Built 883' WATERSHED: Outlet Middle Island Creek QUADRANGLE: BH: Paden City
DISTRICT: Union/Lincoln

SURFACE OWNER: Antero Resources Corp. Colleen Marie Anderson; Warren V. Bowen; Linda Pryor Henriksen, et vir; Margaret Conaway-Torok; Haught Family Trust; Greenbrier Royalty Fund III, LLC; Julia Marie May; ROYALTY OWNER: Berna J. Hammel; WVDNR; Steven D. Zechman & Linda M. Jensen; Jay Edward Smith; LEASE NO: ACREAGE: 60.38
60.38: 57.23; 59.5: 72.88; 339.71: 156.786; 65.462; 8.0; 83.61; 158.79175; 119.75

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD 6,500' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,600' 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

TH: Middlebourne
COUNTY: Tyler
ACREAGE: 60.38
APR 07 2023



ID	TM-Par	Owner	Bk/Pg	Acres
1	10-4.1	Antero Resources Corporation	OR12/739	60.38
2	9-9.1	Jennifer K. & Diane M. Thomas	AR46/754	40.00
3	10-4	Kevin L. & Tammy J. Thomas	OR7/290	32.22
4	10-5.3	Richard Daniel Bowen	344/814	25.92
5	10-5.5	Bowen Family Irrevocable Trust	372/303	22.89
6	10-5	Timothy Brian Bowen, et al	652/440	48.36
7	9-4	Steven D. Zechman & Linda M. Jensen	348/422	250.00
8	6-3	Eldon J. & Ruth A. Helman	383/761	72.80
9	6-1	Eldon J. & Ruth A. Helman	383/761	169.00
10	5-16	Charity Gas Inc.	358/516	393.00
11	6-4	Darren E. Thacker	616/762	67.00
12	6-5.2	Julia Fetty Carolus	323/585	5.50
13	6-5.3	Julia Fetty Carolus	323/587	2.50
14	5-26	Paul R. Fetty	288/126	82.22
15	14-1	Edward E. & Connie Howell	361/829	158.74
16	11-11	Thomas E. Bowen	374/636	119.75
17	11-14	Calvin Lee & Irene M. Stewart	251/635	4.99
18	11-15	Thomas E. Bowen	374/636	6.00
19	11-14.2	Gerald Eugene & Sonya Stewart	374/843	1.75
20	11-14.1	Gerald Eugene Stewart	279/572	3.00
21	11-16	John Mark Campbell	326/365	8.85
22	11-16.1	John Lincoln & Autumn Rose Campbell	OR 43/11	3.09
23	11-17	Thomas E. Neff	341/213	10.00
24	11-18	William L. & Lynn A. Hinkle	366/387	72.50
25	11-19.1	Sheila & Rex Ervin	409/542	34.55
26	11-24	Ryan Chambers & Nancy Marie Chaplin	348/763	77.00

Leases	
A	Berna J. Hammel
B	Mary Faye Grove
C	Sally & Mitchell Dunn
D	J&N Management Enterprises, LLC
E	WVDNR
F	Steven D. Zechman & Linda M. Jensen
G	Jay Edward Smith
H	Norma R. Spencer
I	Haught Family Trust
J	Greenbrier Royalty Fund III, LLC
K	Julia Marie May
L	Warren T Stewart
M	Linda Pryor Henriksen, et vir
N	Margaret Conaway-Torok
O	Warren V. Bowen
P	Colleen Marie Anderson

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 Environmental Protection

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 WVDOT, Harrisville, WV

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OIL AND GAS DIVISION

DATE: April 3 2023
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 API WELL NO
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 Linda Pryor Henriksen, et vir; Margaret Conaway-Torok; 250.00; 72.88;
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 LEASE NO: ACREAGE: 65.462; 8.0; 83.61; 158.79175; 119.75

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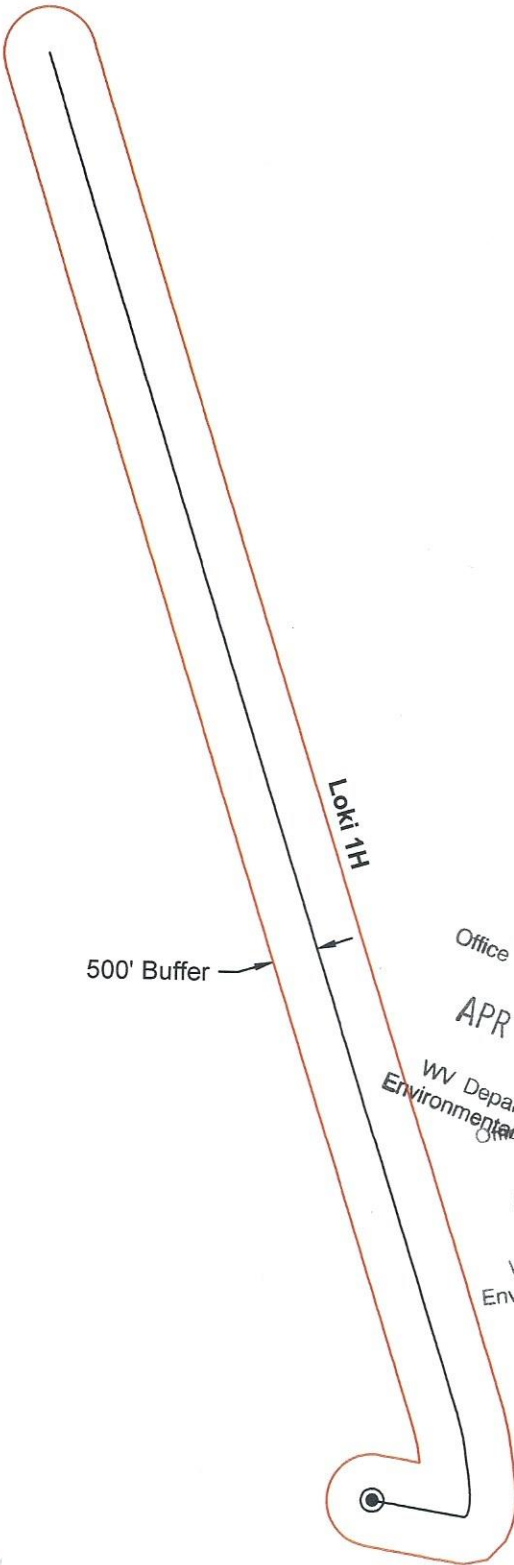
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LEGEND

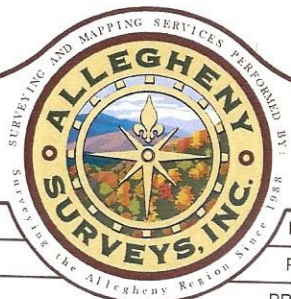
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- ⊛ Existing Well, as noted
- ⊛ Digitized Well, as noted



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



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Environmental Protection
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WV Department of
Environmental Protection



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

172 Thompson Drive
Bridgeport, WV 26330

PARTY CHIEF: C. Lynch	DRAWN BY: J. Smith
RESEARCH: J. Miller	PREPARED: February 16, 2023
SURVEYED: Dec. 2016	PROJECT NO: 259-54-U-22
FIELD CREW: C.L., K.M.	DRAWING NO: Loki 1H BHL MOD AOR

Sheet 1 of 1



Scale: 1 inch = 2000 feet

04/28/2023