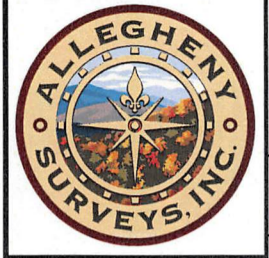
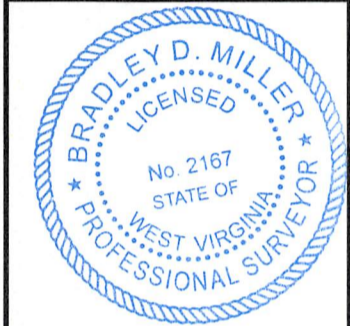


Antero Resources
Well No. Vulcan 2H
As-Drilled
Antero Resources Corporation



Wellhead Layout

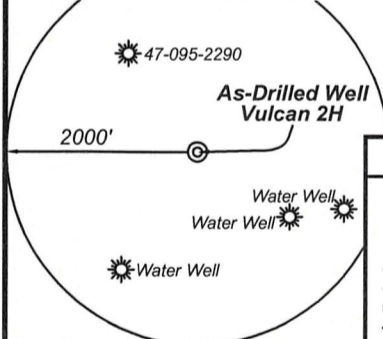
Vulcan Unit 1H	47-095-02701
As-Drilled	
Vulcan Unit 2H	47-095-02702
Prosper Unit 1H	47-095-02699
Prosper Unit 2H	47-095-02700
Friend Unit 1H	47-095-02695
Friend Unit 2H	47-095-02696
Seagrave Unit 1H	47-095-02697
Seagrave Unit 2H	47-095-02698



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: 3 water wells 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
	Found corner, as noted
	Existing Well, as noted
	Digitized Well
	Existing Road
	Surface boundary (approx.)
	Interior surface tracts (approx.)

Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Vulcan Unit 2H Top Hole coordinates are
 N: 368,469.10' Latitude: 39°30'14.23"
 E: 1,622,667.17' Longitude: 80°50'14.27"
 Bottom Hole coordinates are
 N: 354,375.07' Latitude: 39°27'55.64"
 E: 1,627,444.99' Longitude: 80°49'10.68"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,372,724.649m N: 4,368,455.169m
 E: 514,002.953m E: 515,530.190m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegheny Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

Vulcan Unit 2H As-Drilled POE Coordinates
 West Virginia Coordinate System of 1927, North Zone
 N: 368,037.90'
 E: 1,622,906.30'
 Latitude: 39°30'10.01"
 Longitude: 80°50'11.14"
 UTM Zone 17, NAD 1983
 N: 4,372,594.500m
 E: 514,077.992m

Bearing	Dist.
L1 S 35°34' E	1,236.1'
L2 S 76°43' W	2,061.8'
L3 N 74°29' W	1,528.7'
L4 N 46°33' E	1,187.9'

FILE NO: 190-54-E-19
 DRAWING NO: Vulcan Unit 2H As-Drilled
 SCALE: 1" = 2000'
 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 24 2021
 OPERATOR'S WELL NO. Vulcan 2H
 API WELL NO
 47 - 095 - 02702
 STATE COUNTY PERMIT

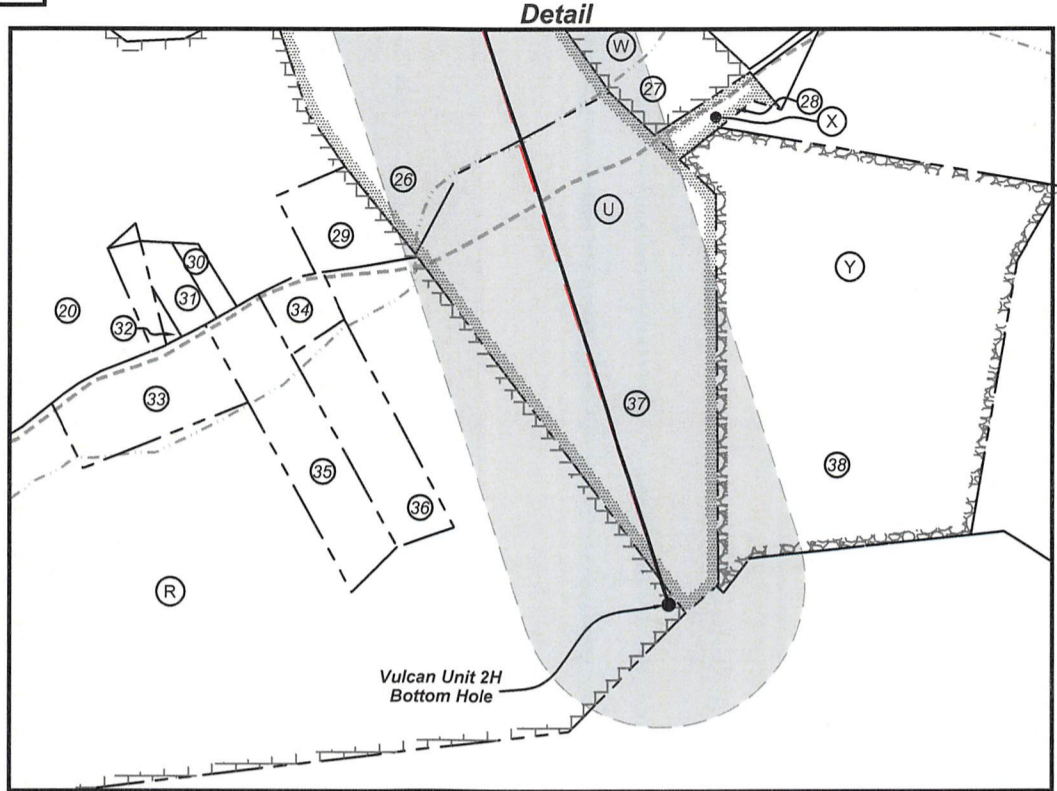
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: As-Built 1,081' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Shirley
 DISTRICT: Ellsworth COUNTY: Tyler
 SURFACE OWNER: Richard D. Pyles LARRY STEVENS; KENDRA K. WYKE; CAROL J. KNAPP; ANTHONY BRUCE PARR, ET UX; RICHARD L. WHITE, II; RIDGETOP CAPITAL II, LP (2); BRC APPALACHIAN MINERALS I, LLC; RONALD P. WEBB; ACREAGE: 168.5
 ROYALTY OWNER: Richard D. & Cathy J. Pyles; Joseph L. Sitko, et ux; Helen E. Boggs; Alfred Lonzo Eddy LEASE NO: ACREAGE: 97.2; 52.938; 271
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,530' 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

03/17/2023

AS

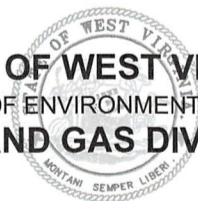


ID	TM/Par	Owner	DB/PG	Acres
1	16-42	Richard D. Pyles	379/20	168.50
2	16-22	Joseph L. Jr. & Karen L. Sitko	296/13	81.70
3	16-23	Joseph L. Sitko	314/462	29.70
4	16-44.1	Carl Straight	543/598	3.70
5	15-38	Rodney A. & Candis L. Nash	351/701	85.48
6	16-44	Robert A. Pyles, et al	335/482	87.82
7	16-42.1	Richard D. Pyles	336/815	4.56
8	15-32	William S. & Opal Marie Nash	335/188	78.58
9	22-3	Harold L. & Deborah C. Hollaway	287/669	22.95
10	16-43	Alfred L. Eddy	344/22	37.10
11	22-1	Robert I. Reed & Floyd W. Reed	321/763	37.60
12	22-2	Ronald Hartline & Jamie Barnhart	591/741	1.50
13	22-4	Stephen H. & Barbara J. Dunthorn	216/40	69.00
14	22-6	Antero Resources Inc.	662/782	131.57
15	22-5	Antero Resources Corporation	662/782	84.67
16	22-41	Anthony B. Parr	342/763	222.00
17	22-40	Ronald P. & Sandra L. Webb	282/1	65.00
18	22-39	Ronald P. & Sandra L. Webb	270/587	45.00
19	28-9	David & Cheryl L. Barrick	263/606	87.53
20	28-31	Victor A. & Lorraine B. Weekley	AR49/717	271.00
21	22-38	Bruce & Sandra L. Parr	368/790	113.0
22	22-37	B.W. Weekley	107/562	15.78
23	22-34	Raymond L. Parr, et al	329/181	55.25
24	22-36	B.W. Weekley	107/562	23.50
25	22-35	Marie Eddy	344/358	52.96
26	28-32	B.W. Weekley	107/562	33.31
27	28-43	Wanda J. Parr	327/435	8.02
28	28-42	Robert H. Anderson	238/76	0.99
29	28-31.1	Joshua M. & Crystal L. Rocchio	348/33	2.30
30	28-31.16	William Morgan	374/472	0.50
31	28-31.12	William Morgan	374/472	1.00
32	28-31.19	James & Peggy Morgan	377/10	0.14
33	28-31.10	Danny Swiger & Peggy Smith	356/675	4.00
34	28-31.20	Randy Wells	445/315	1.00
35	28-31.3	David Lantz & Rita Parr	618/689	5.00
36	28-31.2	David Lantz & Rita Parr	618/689	4.00
37	28-33	B.W. Weekley	107/562	25.30
38	28-35	Shirli N. Baker Jr.	WB 38/1	32.00

Leases	
A	Richard D. & Cathy J. Pyles
B	Joseph L. Sitko, et ux
C	Joseph L. Sitko, et ux
D	Bruce Winkelmann
E	Helen E. Boggs
F	Richard D. & Cathy J. Pyles
G	William S. Nash, et al
H	Ridgetop Capital II, LP
I	Alfred Lonzo Eddy
J	Ridgetop Capital II, LP
K	Marjorie R. Asher Longston, et vir
L	Ridgetop Capital II, LP
M	Anthony Bruce Parr
N	BRC Appalachian Minerals I, LLC
O	Ronald P. Webb
P	Carol J. Knapp
Q	Anthony Bruce Parr, et ux
R	Kendra K. Wyke
S	OPEN
T	Nancy L. Mains
U	Richard Lee White, II
V	Larry Stevens
W	Wanda J. Parr
X	Lucille Adams
Y	Bounty Minerals, LLC

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