

11,120' to Top Hole

6,185' to Bottom Hole

Page 1 of 2

Antero Resources  
Well No. Clutter 2H  
BHL MOD  
Antero Resources Corporation

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



**Notes**  
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements. Well No. Clutter Unit 2H Top Hole coordinates are N: 365,220.64' Longitude: 80°57'21.85" E: 1,589,096.09' Longitude: 80°58'48.95" UTM Zone 17, NAD 1983 Bottom Hole coordinates are N: 381,706.88' Longitude: 80°57'21.85" E: 1,582,539.02' Longitude: 80°58'48.95" UTM Zone 17, NAD 1983 Top Hole Coordinates Bottom Hole Coordinates N: 4,371,563.968m N: 4,376,553.196m E: 503,791.929m E: 501,710.540m Plat orientation and corner well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.

TOP HOLE LONGITUDE 80 - 55 - 00  
BTM HOLE LONGITUDE 80 - 57 - 30

1,130' to Bottom Hole

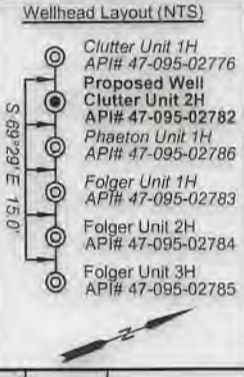
2,330' to Top Hole



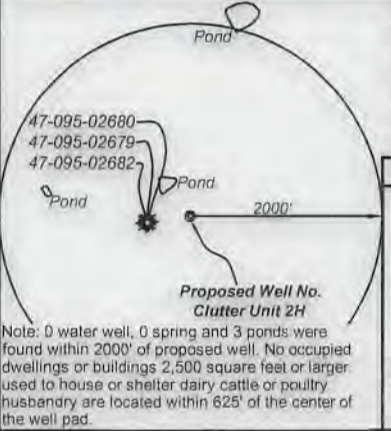
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Bradley D. Miller, P.S. 2167

**Notes:**  
Well No. Clutter Unit 2H UTM Zone 17, NAD 1927  
Top Hole Coordinates N: 14,341,659.10' E: 1,652,809.87'  
Point of Entry Coordinates N: 14,341,334.47' E: 1,651,719.06'  
Bottom Hole Coordinates N: 14,358,027.96' E: 1,645,980.81'



	Bearing	Dist.
L1	S 08°36' E	874.7'
L2	N 44°00' E	1,103.0'
L3	N 66°55' E	1,152.2'
L4	N 71°11' E	1,842.7'
L5	S 74°23' W	1,138.5'



- 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

FILE NO: 268-54-E-21  
DRAWING NO: Clutter Unit 2H Well Plat  
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: July 8 2022  
OPERATOR'S WELL NO. Clutter Unit 2H  
API WELL NO. 47-095-02782  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 880' WATERSHED: Middle Island Creek QUADRANGLE: Btm Hole: Paden City  
DISTRICT: Union, Lincoln COUNTY: Tyler  
SURFACE OWNER: Ruth A. Helman ACREAGE: 61.83  
ROYALTY OWNER: Eldon J. & Ruth A. Helman; Lora Keller Thomas; WVDNR; Norma R. Spencer. LEASE NO: ACREAGE: 128.55; 31.25; 86.607

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: 6,400' TVD 26,200' 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



ID	TM/Par	Owner	Bk/Pg	Acres
1	19-1	Eldon J. & Ruth A. Helman	383/761	61.83
2	19-42	Carol J. Cox	334/298	142.00
3	10-10	Lora K. Thomas	201/359	307.05
4	6-2	Eldon J. & Ruth A. Helman	383/761	83.13
5	13-10	Eldon J. & Ruth A. Helman	383/761	96.82
6	6-1.1	Eldon J. & Ruth A. Helman	383/761	21.00
7	15-18	B.F. Kile	174/412	70.00
8	6-1	Eldon J. & Ruth A. Helman	383/761	169.00
9	6-6.11	David S. Clough	351/752	12.40
10	6-6.10	Jeffrey M. & Jill S. Mennillo	368/770	9.90
11	6-6.9	David S. Clough	351/712	24.54
12	6-6.8	Alan B. & Traci L. Clough	354/306	18.30
13	6-6.6	Richard Keith McCollum	362/348	25.05
14	6-6.5	Crystal R. & Charles J. Young, Jr.	345/211	25.65
15	6-6	Crystal R. & Charles J. Young, Jr.	368/773	5.06
16	6-6.4	Crystal R. & Charles J. Young, Jr.	368/773	25.35
17	15-3	Dena Grimes	W35/150	11.00
18	15-1	S.P. & Otto Woodburn Estate	97/423	33.74
19	12-55	John A. & Matthew J. May	432/101	25.00
20	12-55	Nathaniel V. & Tamela Frum	428/604	75.00
21	14-1	Edward E. & Connie Howell	361/829	158.74
22	12-49	Estella J. & William J. Goodfellow, Jr.	286/20	38.65
23	12-21	Keith V. & Barbara L. Frum	280 / 358	77.30
24	12-46	Keith V. & Barbara L. Frum	280/358	40.89
25	12-43	Estella J. & William J. Goodfellow, Jr.	178/489	43.18
26	11-10	James Arthur & Dorothy J. Shreves	183/420	128.55
27	12-22	William & Joanne Ingram	140/502	84.30
28	11-9	Christian & Anna Forrester Estate	85/575	18.25
29	7-40	Brett Grimm, et al	342/538	86.60
30	11-8	Christian & Anna Forrester Estate	98/118	13.00
31	11-7	Robert L. Sherman	369/843	99.56

Leases	
A	Eldon J. & Ruth A. Helman
B	Carol J. Cox
C	Lora Keller Thomas
D	Gary C. & Maryjane Richards
E	Ruth H. Wells
F	Norma R. Spencer
G	Mary Ann Devine
H	WVDNR
I	David S. Clough
J	Jeffrey M. Mennillo, et ux
K	Alan B. Clough, et ux
L	Richard Keith McCollum
M	Charles M. Jr. & Crystal R. Young
N	Dena Raye Grimes
O	Flora Patterson Woodburn
P	Karen Moore Hwilka
Q	William J. Goodfellow, et ux
R	Margaret Conaway-Torok
S	William P. Ingram
T	Keith V. Frum, et ux
U	William J. Goodfellow, et ux
V	James Arthur Shreves, et ux
W	Heritage Resources Marcellus Minerals, LLC
X	William P. Ingram
Y	James H. Williamson
Z	Erik D. Grimm
AA	Robert L. Sherman

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 WVDOT, Harrisville, WV

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

DATE: July 8 20 22  
 OPERATOR'S WELL NO. Clutter Unit 2H  
 API WELL NO. **1110**  
 47 - 095 - 02782  
 STATE COUNTY PERMIT

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 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

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 DISTRICT: Union, Lincoln Outlet: Middle Island Creek Top Hole: Middlebourne  
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 ROYALTY OWNER: Eldon J. & Ruth A. Helman; Lora Keller Thomas; WVDNR; Norma R. Spencer; LEASE NO: ACREAGE: 61.83  
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