LATITUDE 39°12'30" — 11,799'

3,497' TO BOTTOM HOLE
LATITUDE 39°15'00"

3,260'

3,145' TO BOTTOM HOLE

LONGITUDE 80°55'00"

LONGITUDE 80°57'30"

WV NORTH ZONE GRID NORTH

Antero Resources Corporation
Well No. Keel #1H

UNION DISTRICT - RITCHIE COUNTY	
7-13	Dawn McLaughlin
7-14	Wayne & Delphene Haddox
7-15	Louis Daniel Easterday Revocable Living Trust
7-16	Louis D Easterday
7-18	Louis D Easterday
7-19	Max & Laura Dodd
8-1	Danny Haddox Et Al
8-1.1	Danny Haddox Et Al
8-1.2	Danny Haddox Et Al
8-1.3	Wayne & Delphene Haddox
8-1.4	David Haddox
8-1.6	David Haddox
12-6	Robert & Dorothy Layton
12-6.1	Robert & Dorothy Layton
12-7	Louis Daniel Easterday Revocable Living Trust
12-7.1	Louis Daniel Easterday Revocable Living Trust
13-1	David & Rose Cox
13-1.1	David & Rose Cox
CLAY DISTRICT - RITCHIE COUNTY	
35-3	Debra Davis, Et Al
35-4	Gerald & Teresa Hall
35-8	Debra Clements
35-19	Eddy & Kelly Waggoner
35-19.2	Virginia Cottrill
35-19.3	Virginia Cottrill
35-20	Virginia Cottrill
35-20.1	Virginia Cottrill
35-21	Kevin Baker, Et Al
35-22	Kevin Baker, Et Al
35-23	Kevin Baker, Et Al
35-24	Eddy & Kelly Waggoner
35-33	Timothy Whitehair
35-33.1	Lyle & Donnie Freeland
35-33.2	Lyle & Donnie Freeland
35-33.3	Tabitha Richards & Steven Goff
35-33.4	Lyle & Donnie Freeland
35-33.5	Lyle & Donnie Freeland
35-33.6	John & Janet Dodd
35-33.7	Lyle & Donnie Freeland
35-44	Herbert & Kelly Moyer
35-44.1	Gerald Lamm & Doris Locke
35-46	Gregory Dodd
35-46.1	Duane & Regina Riggs
39-7	Bonnie McCullough
39-8	Duane & Regina Riggs
39-8.1	Duane Riggs
39-9	Gamegetter LTD
39-14	William Catalina & Margaret Russell
39-15.1	Evera Van
39-15.2	Evera Van
39-15.3	John Jones Jr.
39-15.5	John Jones Jr., Et Al
39-15.7	Evera Van
39-16	John Jones Jr.
40-15	Wayne & Delphene Haddox
40-15.1	Earl H Riggs Sr.
40-15.2	Henry Riggs
40-15.3	Earl H Riggs Sr.
40-17	Duane Riggs

1H TOP HOLE

	LEASES
A	MARK TAYLOR, ET AL
B	GLADYS JACKSON
C	WILSON DAVIS AND MARJORIE E. DAVIS
D	RAY COTTRILL ET AL
E	DONNA L. HILEY
F	NORMA JEAN GOFF AND CARL GOFF
G	JOHN D. DODD AND JANET M. DODD
H	MORGAN WINCE
I	LYLE M. FREELAND AND DONNIE D. FREELAND
J	LYLE M. FREELAND AND DONNIE D. FREELAND
K	MARY HOLLAND ET VIR
L	GREGORY BYRL DODD
M	JACQUELINE D. HAYNES
N	DONALD R. LEA AND MATTHEW B. LEA
O	WANEMA RIGGS
Q	COLUMBUS FOUNDATION
R	LLOYD MINEAR
S	JOHN D. JONES ET UX
T	WANEMA RIGGS
U	NORMA C. DAWSON
V	DUANE RIGGS
W	DANIEL HADDOX AND CLARETH HADDOX
Y	JOYCE ANN HOWARD
Z	JOSEPH A. HOWARD
AA	KENNETH B. PERINE AND PATRICIA PERINE

NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 258,084ft E: 1,586,727ft
LAT: 39°11'57.78" LON: 80°57'29.88"
BOTTOM HOLE INFORMATION:
N: 273,431ft E: 1,583,470ft
LAT: 39°14'28.92" LON: 80°58'14.45"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, 1H BOTTOM HOLE AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 4,338,913m E: 503,615m
BOTTOM HOLE INFORMATION:
N: 4,343,571m E: 502,545m

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 14,234,536ft E: 1,652,230ft
POINT OF ENTRY INFORMATION:
N: 14,235,162ft E: 1,653,790ft
BOTTOM HOLE INFORMATION:
N: 14,249,820ft E: 1,648,718ft

WELL 1H BOTTOM HOLE

N 18°08' W
15,517.0'

NOTE:
7 WATER WELLS WERE LOCATED WITHIN 2000' OF THE CENTER OF PAD

2000'

WATER WELLS		
W1	S 86°08' E	1093.5'
W2	S 81°22' W	1624.9'
W3	S 75°32' W	1309.4'
W4	S 71°11' W	1368.5'
W5	S 66°20' W	914.7'
W6	S 65°21' W	1193.6'
W7	N 74°39' E	1936.7'

5/8" IRON ROD

WELL NO. 1H

POINT OF ENTRY

STONE

S 00°55' E 701.7'

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 PERSCRIBED BY THE DEPTARTMENT OF ENVIRONMENTAL PROTECTION.

STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC
220 MASONIC AVE. PENNSBORO
WEST VIRGINIA 26415

RECEIVED
Office of Oil and Gas
APR 11 2025
WV Department of Environmental Protection

THOMAS SUMMERS
LICENSED
No. 2109
STATE OF WEST VIRGINIA
PROFESSIONAL SURVEYOR

JOB # 24-011WA
DRAWING # KEEL1HR
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

LEGEND
Surface Owner Boundary Lines +/-
Adjoining Surface Tracts +/-
Found monument, as noted

THOMAS SUMMERS P.S. 2109
DATE 03/11/25
OPERATOR'S WELL# KEEL UNIT #1H
47 — 085 — 10553
STATE COUNTY PERMIT

PAD LAYOUT
NOT TO SCALE
GRID NORTH
KEEL UNIT 1H
JIB UNIT 1H 15'
SAIL UNIT 1H 15'
AFT UNIT 1H 15'
AUTUMN UNIT 1H 15'
ELLIOTT UNIT 1H 15'
N 12°14' E

NOTE
NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

05/02/2025

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION PROPOSED - 1,097' WATERSHED SOUTH FORK HUGHES RIVER
QUADRANGLE PULLMAN 7.5' DISTRICT UNION COUNTY RITCHIE
SURFACE OWNER LOUIS DANIEL EASTERDAY REVOCABLE LIVING TRUST ACREAGE 5.25 ACRES +/-
OIL & GAS ROYALTY OWNER JOSEPH A. HOWARD LEASE ACREAGE 5.25 ACRES±
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER X REDRILL ___
FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BHL
PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,800' TVD 25,200' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CONRAD BASTON
ADDRESS 1615 WYNKOOP ST. ADDRESS 535 WHITE OAKS BLVD
DENVER, CO 80202 BRIDGEPORT, WV 26330

FORM WW-6

REFERENCES
STAKE/ NAIL, SET
193.5' N 22°46' W
WELL NO. 1H
279.7' S 30°47' E
STAKE/ NAIL, SET
1" = 400'