

LATITUDE 39°35'00"

6,451'

LATITUDE 39°37'30"

656' TO BOTTOM HOLE

4,344'
3,411' TO BOTTOM HOLE
LONGITUDE 80°47'30"
LONGITUDE 80°50'00"

Antero Resources Corporation
Well No. Howell #1H

A1	BRC APPALACHIAN MINERALS I, LLC.	H	CSX TRANSPORTATION, INC.
A2	BRC APPALACHIAN MINERALS I, LLC.	I1	J. WELLS HAMIL, ET AL
A3	BRC APPALACHIAN MINERALS I, LLC.	I2	J. WELLS HAMIL, ET AL
B1	PATRICIA HADDY	J	DAVID K. THOMAS ET UX
B2	PATRICIA HADDY	K	BENJAMIN E. YOHO
C	WYOMR	L	COASTAL FOREST RESOURCES COMPANY
D	SHIBEN ESTATES, INC.	M	BENJAMIN E. YOHO
E	JACOB P. MORGAN, III AND SYLVIA A. MORGAN	N	ABRAHAM C. GAWTHROP AND MANDY K. GAWTHROP
F	NANCY LOU O'NEIL LASURE	O	JOHN MAYHEW STALEY
G1	WILL E. MORRIS HEIRS TRUST	P	DAVID LEE SMITH
G2	WILL E. MORRIS HEIRS TRUST	Q	DAVID LEE SMITH
		AA	MICHAEL EUGENE SMITH
		AB	ROBERT HARRY MYERS, SR.

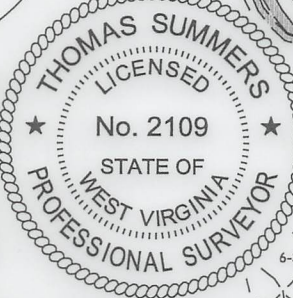
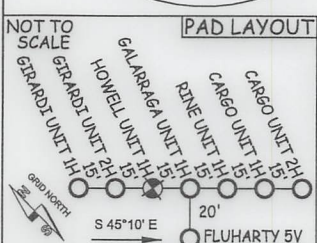
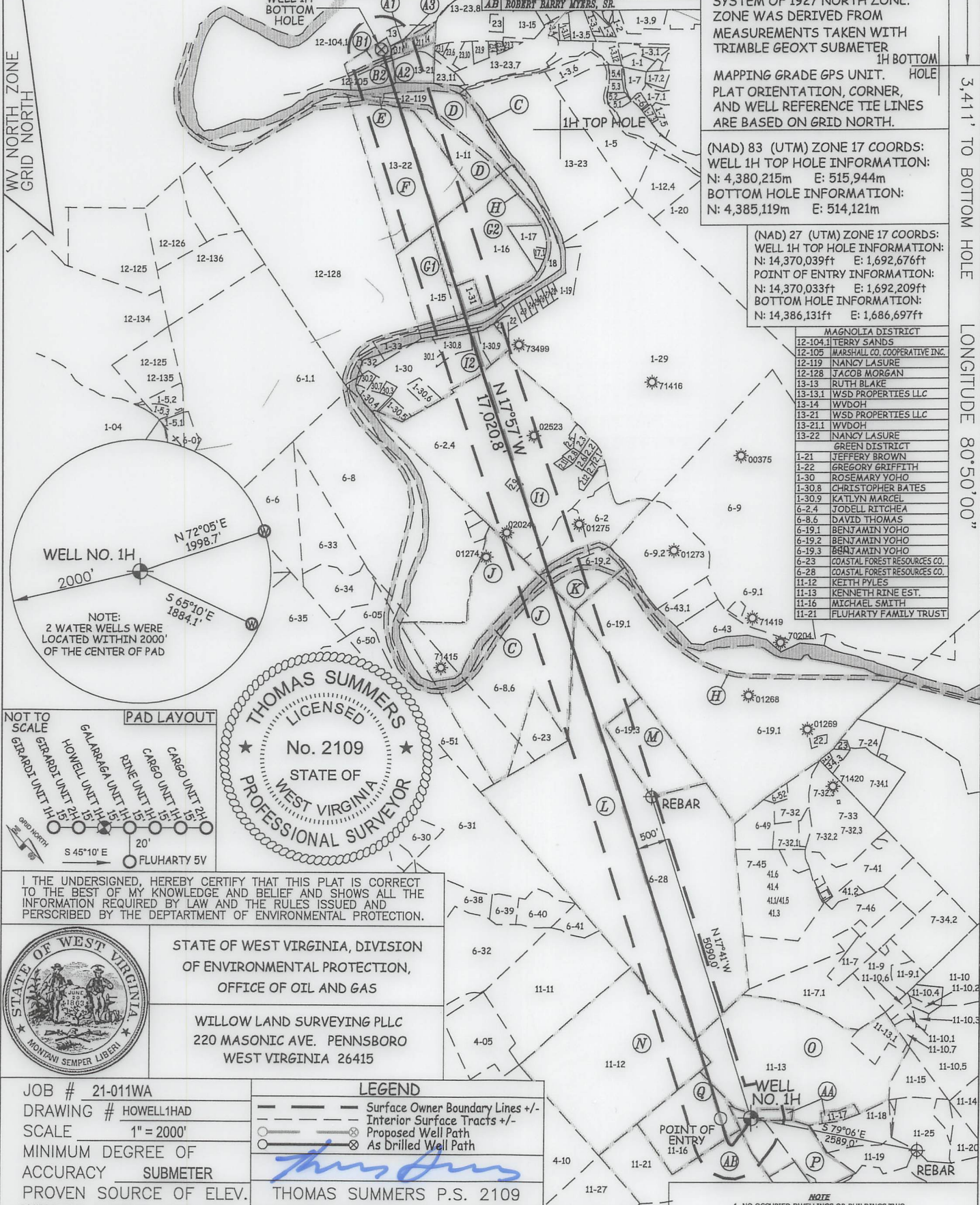
AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
N: 392,941ft E: 1,629,445ft
LAT: 39°34'17.07" LON: 80°48'52.38"
BOTTOM HOLE INFORMATION:
N: 409,135ft E: 1,623,733ft
LAT: 39°36'56.28" LON: 80°50'08.39"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE.
ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER

1H BOTTOM HOLE
MAPPING GRADE GPS UNIT.
PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 4,380,215m E: 515,944m
BOTTOM HOLE INFORMATION:
N: 4,385,119m E: 514,121m

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 14,370,039ft E: 1,692,676ft
POINT OF ENTRY INFORMATION:
N: 14,370,033ft E: 1,692,209ft
BOTTOM HOLE INFORMATION:
N: 14,386,131ft E: 1,686,697ft

MAGNOLIA DISTRICT	
12-104.1	TERRY SANDS
12-105	MARSHALL CO. COOPERATIVE INC.
12-119	NANCY LASURE
12-128	JACOB MORGAN
13-13	RUTH BLAKE
13-13.1	WSD PROPERTIES LLC
13-14	WVDOH
13-21	WSD PROPERTIES LLC
13-21.1	WVDOH
13-22	NANCY LASURE
GREEN DISTRICT	
1-21	JEFFERY BROWN
1-22	GREGORY GRIFFITH
1-30	ROSEMARY YOHO
1-30.8	CHRISTOPHER BATES
1-30.9	KATLYN MARCEL
6-2.4	JODELL RITCHEA
6-8.6	DAVID THOMAS
6-19.1	BENJAMIN YOHO
6-19.2	BENJAMIN YOHO
6-19.3	BENJAMIN YOHO
6-23	COASTAL FOREST RESOURCES CO.
6-28	COASTAL FOREST RESOURCES CO.
11-12	KEITH PYLES
11-13	KENNETH RINE EST.
11-16	MICHAEL SMITH
11-21	FLUHARTY FAMILY TRUST



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 DEPARTMENT 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

JOB # 21-011WA
DRAWING # HOWELL1HAD
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND
--- Surface Owner Boundary Lines +/-
--- Interior Surface Tracts +/-
○ Proposed Well Path
⊗ As Drilled Well Path

THOMAS SUMMERS P.S. 2109

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

DATE 11/22/24
OPERATOR'S WELL# HOWELL UNIT #1H
47 - 103 - 03636
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1,181' WATERSHED FISHING CREEK
QUADRANGLE PORTER FALLS 7.5' DISTRICT GREEN COUNTY WETZEL

SURFACE OWNER ANTERO RESOURCES CORPORATION ACREAGE 46.95 ACRES±
OIL & GAS ROYALTY OWNER DAVID L. SMITH LEASE ACREAGE 67 ACRES±
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___
PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED
TARGET FORMATION MARCELLUS PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
WELL OPERATOR ANTERO RESOURCES CORP. ESTIMATED DEPTH 6,766' TVD 24,040' MD
ADDRESS 1615 WYNKOOP ST. DENVER, CO 80202 DESIGNATED AGENT KEVIN ELLIS ADDRESS 535 WHITE OAK BLVD. BRIDGEPORT, WV 26330

NOTE
1. 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.
2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

02/28/2025