

LATITUDE 39°35'00"

6,451'

LATITUDE 39°37'30"

648' TO BOTTOM HOLE

### Antero Resources Corporation Well No. Howell #1H

**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.

A1	HRC APPALACHIAN MINERALS I, LLC.	H	CSX TRANSPORTATION, INC.
A2	HRC APPALACHIAN MINERALS I, LLC.	I1	J. WELLS KATIN, BY AL
A3	HRC APPALACHIAN MINERALS I, LLC.	I2	J. WELLS KATIN, BY AL
B1	PATRICIA HADDIX	J	DAVID R. THOMAS BY UX
B2	PATRICIA HADDIX	K	BENJAMIN E. YOHO
C	WVDR	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. CAYTHROP AND MARY K. CAYTHROP
F	NANCY LOU O'NEIL LASURE	O	JOHN MATHEW STALRY
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 BARRY MYERS, SR.

**NOTES:**  
WELL 1H TOP HOLE INFORMATION:  
N: 392,941ft E: 1,629,444ft  
LAT: 39°34'17.07" LON: 80°48'52.39"  
BOTTOM HOLE INFORMATION:  
N: 409,107ft E: 1,623,741ft  
LAT: 39°36'56.00" LON: 80°50'08.29"  
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. HOLE 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: 515,943m  
BOTTOM HOLE INFORMATION:  
N: 4,385,111m E: 514,124m

(NAD) 27 (UTM) ZONE 17 COORDS:  
WELL 1H TOP HOLE INFORMATION:  
N: 14,370,039ft E: 1,692,676ft  
POINT OF ENTRY INFORMATION:  
N: 14,370,024ft E: 1,692,210ft  
BOTTOM HOLE INFORMATION:  
N: 14,386,103ft E: 1,686,706ft

MAGNOLIA DISTRICT

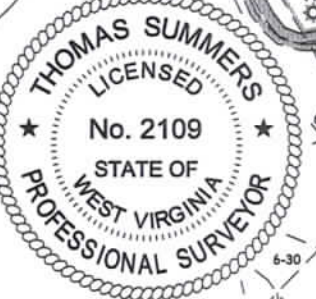
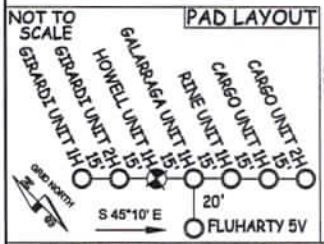
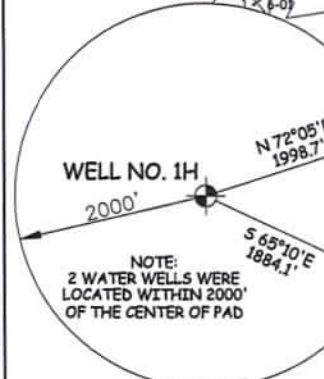
12-104.1	TERRY SANDS
12-105	MARSHALL CO. COOPERATIVE INC.
12-119	NANCY LASURE
12-128	JACOB MORGAN
13-13	RUTH BLAKE
13-13.1	WSD PROPERTIES LLC
13-14	WVDOH
13-21	WSD PROPERTIES LLC
13-21.1	WVDOH
13-22	NANCY LASURE
	GREEN DISTRICT
1-21	JEFFERY BROWN
1-22	GREGORY GRIFFITH
1-30	ROSEMARY YOHO
1-30.8	CHRISTOPHER BATES
1-30.9	KATHLYN 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 REINE EST.
11-16	MICHAEL SMITH
11-21	FLUHARTY FAMILY TRUST

NORTH ZONE GRID NORTH

LONGITUDE 80°47'30"

LONGITUDE 80°50'00"

COUNTY NAME PERMIT



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 # HOWELL1HR  
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 02/21/24

OPERATOR'S WELL# HOWELL UNIT #1H

47 - 103 - 03636  
STATE COUNTY PERMIT

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

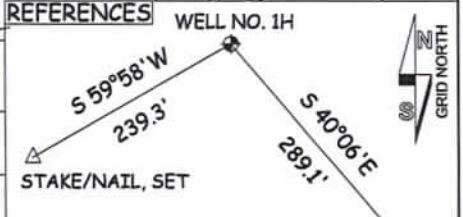
LOCATION: ELEVATION PROPOSED -1,181' WATERSHED FISHING CREEK 1" = 200'

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) MOD-BHL PLUG & ABANDON  CLEAN OUT & REPLUG

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,300' TVD 25.60' MD  
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT KEVIN ELLIS  
ADDRESS 1615 WYNKOOP ST. DENVER, CO 80202 ADDRESS 535 WHITE OAK BLVD. BRIDGEPORT, WV 26330



02/22/2024