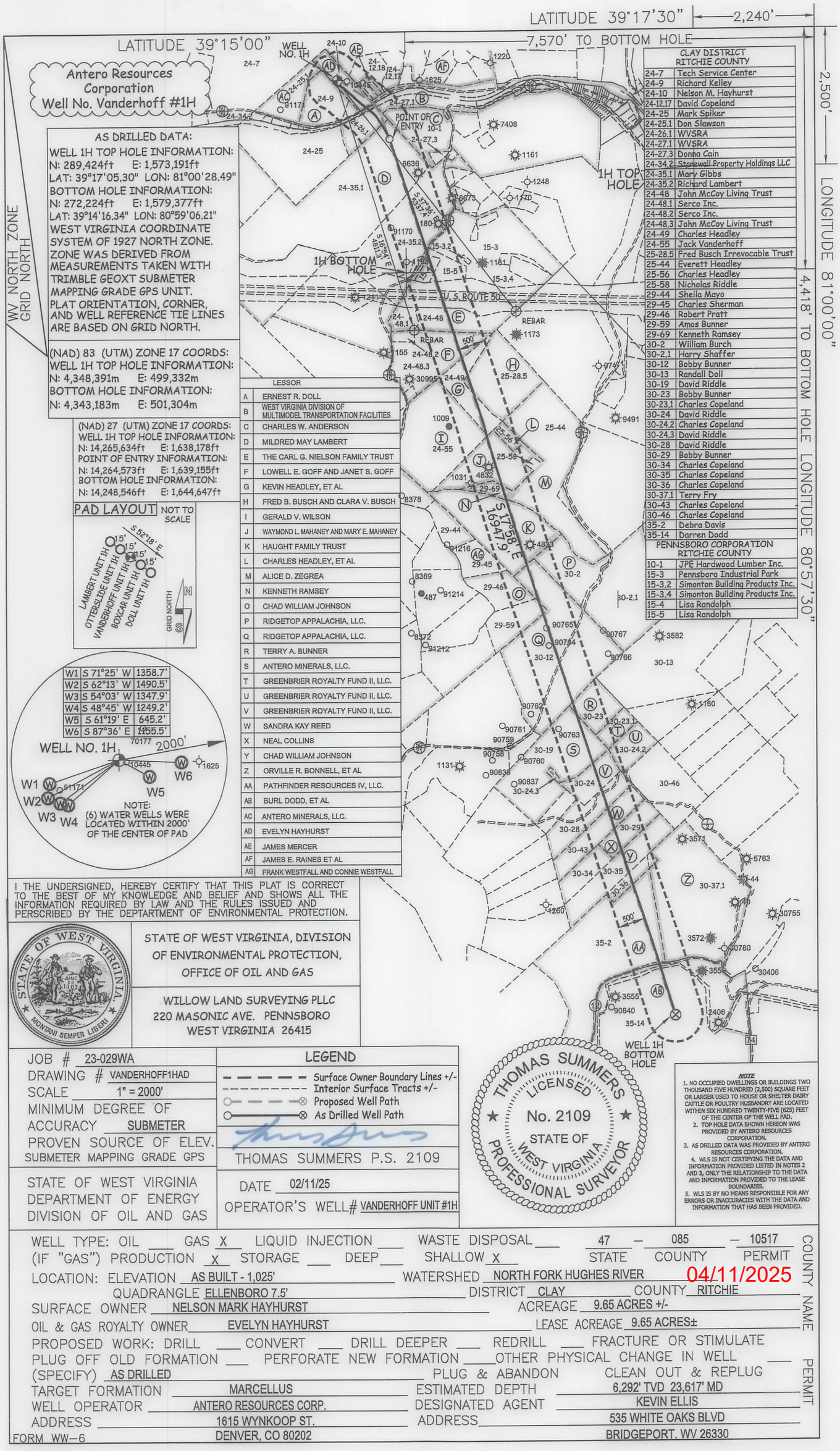

AS DRILLED DATA:

WELL 1H TOP HOLE INFORMATION:
N: 289,424ft E: 1,573,191ft
LAT: 39°17'05.30" LON: 81°00'28.49"
BOTTOM HOLE INFORMATION:
N: 272,224ft E: 1,579,377ft
LAT: 39°14'16.34" LON: 80°59'06.21"
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, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 4,348,391m E: 499,332m
BOTTOM HOLE INFORMATION:
N: 4,343,183m E: 501,304m

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 14,265,634ft E: 1,638,178ft
POINT OF ENTRY INFORMATION:
N: 14,264,573ft E: 1,639,155ft
BOTTOM HOLE INFORMATION:
N: 14,248,546ft E: 1,644,647ft

PAD LAYOUT NOT TO SCALE

LAMBERT UNIT 1H
OTTERSLIDE UNIT 1H
VANDERHOFF UNIT 1H
BOXCAR UNIT 1H
DOLL UNIT 1H
S 52°18' E
15' 15' 15' 15'
GRID NORTH

W1	S 71°25' W	1358.7'
W2	S 62°13' W	1490.5'
W3	S 54°03' W	1347.9'
W4	S 48°45' W	1249.2'
W5	S 61°19' E	645.2'
W6	S 87°36' E	1955.5'

WELL NO. 1H
2000'
70177
10445
1625
W1 W2 W3 W4 W5 W6
9117

NOTE:
(6) WATER WELLS WERE LOCATED WITHIN 2000' OF THE CENTER OF PAD

	LESSOR
A	ERNEST R. DOLL
B	WEST VIRGINIA DIVISION OF MULTIMODEL TRANSPORTATION FACILITIES
C	CHARLES W. ANDERSON
D	MILDRED MAY LAMBERT
E	THE CARL G. NIELSON FAMILY TRUST
F	LOWELL E. GOFF AND JANET S. GOFF
G	KEVIN HEADLEY, ET AL
H	FRED B. BUSCH AND CLARA V. BUSCH
I	GERALD V. WILSON
J	WAYMOND L. MAHANEY AND MARY E. MAHANEY
K	HAUGHT FAMILY TRUST
L	CHARLES HEADLEY, ET AL
M	ALICE D. ZEGREA
N	KENNETH RAMSEY
O	CHAD WILLIAM JOHNSON
P	RIDGETOP APPALACHIA, LLC.
Q	RIDGETOP APPALACHIA, LLC.
R	TERRY A. BUNNER
S	ANTERO MINERALS, LLC.
T	GREENBRIER ROYALTY FUND II, LLC.
U	GREENBRIER ROYALTY FUND II, LLC.
V	GREENBRIER ROYALTY FUND II, LLC.
W	SANDRA KAY REED
X	NEAL COLLINS
Y	CHAD WILLIAM JOHNSON
Z	ORVILLE R. BONNELL, ET AL
AA	PATHFINDER RESOURCES IV, LLC.
AB	BURL DODD, ET AL
AC	ANTERO MINERALS, LLC.
AD	EVELYN HAYHURST
AE	JAMES MERCER
AF	JAMES E. RAINES ET AL
AG	FRANK WESTFALL AND CONNIE WESTFALL

CLAY DISTRICT RITCHIE COUNTY	
24-7	Tech Service Center
24-9	Richard Kelley
24-10	Nelson M. Hayhurst
24-12.17	David Copeland
24-25	Mark Spiker
24-25.1	Don Slawson
24-26.1	WVSRA
24-27.1	WVSRA
24-27.3	Donna Cain
24-34.2	Stonewall Property Holdings LLC
24-35.1	Mary Gibbs
24-35.2	Richard Lambert
24-48	John McCoy Living Trust
24-48.1	Serco Inc.
24-48.2	Serco Inc.
24-48.3	John McCoy Living Trust
24-49	Charles Headley
24-55	Jack Vanderhoff
25-28.5	Fred Busch Irrevocable Trust
25-44	Everett Headley
25-56	Charles Headley
25-58	Nicholas Riddle
29-44	Sheila Mayo
29-45	Charles Sherman
29-46	Robert Pratt
29-59	Amos Bunner
29-69	Kenneth Ramsey
30-2	William Burch
30-2.1	Harry Shaffer
30-12	Bobby Bunner
30-13	Randall Doll
30-19	David Riddle
30-23	Bobby Bunner
30-23.1	Charles Copeland
30-24	David Riddle
30-24.2	Charles Copeland
30-24.3	David Riddle
30-28	David Riddle
30-29	Bobby Bunner
30-34	Charles Copeland
30-35	Charles Copeland
30-36	Charles Copeland
30-37.1	Terry Fry
30-43	Charles Copeland
30-46	Charles Copeland
35-2	Debra Davis
35-14	Darren Dodd

PENNSBORO CORPORATION RITCHIE COUNTY	
10-1	JPE Hardwood Lumber Inc.
15-3	Pennsboro Industrial Park
15-3.2	Simonton Building Products Inc.
15-3.4	Simonton Building Products Inc.
15-4	Lisa Randolph
15-5	Lisa Randolph

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

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

JOB # 23-029WA
DRAWING # VANDERHOFF1HAD
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 +/-
- Interior Surface Tracts +/-
- Proposed Well Path
- As Drilled Well Path

THOMAS SUMMERS P.S. 2109

DATE 02/11/25
OPERATOR'S WELL# VANDERHOFF UNIT #1H

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.

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
47 — 085 — 10517
STATE COUNTY PERMIT
LOCATION: ELEVATION AS BUILT - 1,025' WATERSHED NORTH FORK HUGHES RIVER
QUADRANGLE ELLENBORO 7.5' DISTRICT CLAY COUNTY RITCHIE
SURFACE OWNER NELSON MARK HAYHURST ACREAGE 9.65 ACRES +/-
OIL & GAS ROYALTY OWNER EVELYN HAYHURST LEASE ACREAGE 9.65 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 PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,292' TVD 23,617' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT KEVIN ELLIS
ADDRESS 1615 WYNKOOP ST. ADDRESS 535 WHITE OAKS BLVD
DENVER, CO 80202 BRIDGEPORT, WV 26330

COUNTY NAME PERMIT

04/11/2025

FORM WW-6