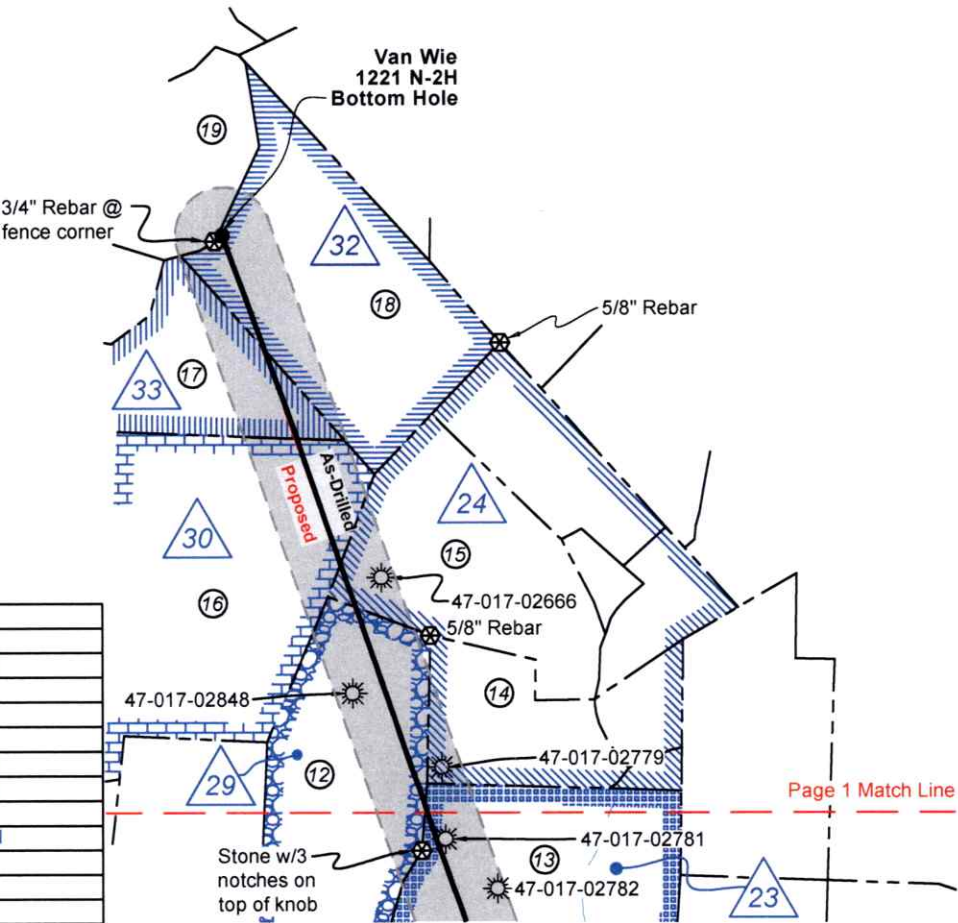




ID	Lease
3	Joseph Krenn, et ux
4	HG Energy II Appalachia, LLC
5	John Tierney
7	William E. Ruppert, et al
10	Fonce Brown & Rita Brown
14	HG Energy II Appalachia, LLC
23	HG Energy II Appalachia, LLC
24	Stella Severin, et al
29	William Smith Wysong, Jr., et al
30	E. Cole, et al
32	George J. Determan, et ux
33	W.H. Shulte

Legend	
	Proposed gas well
	Well Reference, as noted
	Monument, as noted
	Existing Well, as noted
	Existing Plugged Well, as noted
	Digitized Well, as noted
	Creek or Drain
	Existing Road
	Surface boundary (approx.)

Notes
West Virginia Coordinate System of 1927, South Zone
based upon Differential GPS Measurements.
Well No. Van Wie Unit 1221 N-2H
Top Hole coordinates are
N: 762,983.44' Latitude: 39°05'41.21"
E: 2,094,062.16' Longitude: 80°40'07.03"
Bottom Hole coordinates are
N: 783,530.80' Latitude: 39°09'04.55"
E: 2,086,522.65' Longitude: 80°41'41.79"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,327,356.930m N: 4,333,616.717m
E: 528,672.045m E: 526,374.480m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.

Notes:
Well No. Van Wie Unit 1221 N-2H
As-Drilled POE Coordinates
WV Coordinate System of 1927, South Zone
N: 763,249.76'
E: 2,093,713.32'
Latitude: 39°05'43.86"
Longitude: 80°40'11.44"
UTM Zone 17, NAD 1983
N: 4,327,438.058m
E: 528,565.756m

Lewis Co. (Freemans Creek Dist.)				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	2D / 3	HG Energy II Appalachia, LLC	800 / 637	131.85
2	2D / 29	Anthony S. & Dawn H. VanWie	732 / 622	26.63
3	2D / 3.1	HG Energy II Appalachia, LLC	800 / 637	20.00
4	2C / 7	James R. & Shelia A. Gum, II	721 / 350	350.78
5	2D / 48	John M. Keely, et al	541 / 127	81.00
6	2C / 4	Susanne Seccurro	725 / 199	111.75
7	2C / 3	Stephen Ruppert	666 / 428	102.46
8	2C / 2	Clarence D. Brown	W4 / 572	96.50
9	2D / 2	Calvin Stout	104 / 375	3.25
Doddridge Co. (Cove Dist.)				
No.	TM / Par	Owner	Bk / Pg	Ac.
10	10 / 12	John & Barbara Mayer	330 / 248	30.28
11	10 / 14	Clarence D. Brown	W20 / 306	180.00
12	10 / 5	Edith G. Wilson Trust	255 / 247	159.30
13	6 / 11	Joseph D. & Darlene K. Church	244 / 451	107.60
14	6 / 10.1	Leah Kelly	488 / 492	52.83
15	6 / 10.3	Brandon W. Gilbert	211 / 126	104.90
16	6 / 9	Marcella Yeater	328 / 667	193.00
17	6 / 3	Mary A. Ruddy & Teigh R. Byrne	221 / 500	101.08
18	6 / 4	Mary A. Ruddy & Teigh R. Byrne	226 / 360	140.00
Doddridge Co. (New Milton Dist.)				
No.	TM / Par	Owner	Bk / Pg	Ac.
19	19 / 12	Sandra E. Erwin	W80 / 32	79.30

FILE NO: 63-12-FC-26
DRAWING NO: Van Wie 1221 N-2H As-Drilled
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

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

DATE: July 15 20 26
OPERATOR'S WELL NO. Van Wie 1221 N-2H
API WELL NO
47 — 041 — 05761
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,251.77' WATERSHED: Fink Creek
DISTRICT: Freemans Creek
SURFACE OWNER: HG Energy II Appalachia, LLC, et al
ROYALTY OWNER: Joseph Krenn, et al LEASE NO: ACREAGE: 245
PROPOSED WORK: ☐ DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 7,165' TVD
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 29,082' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Conrad Baston
ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
Denver, CO 80202 Bridgeport, WV 26330