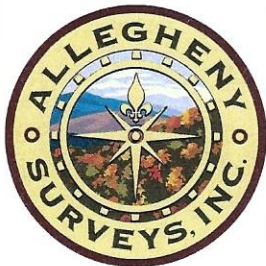


**Antero Resources
Well No. Sophie 1H**

Antero Resources Corporation



ID	TM-Par	Owner	Bk/Pg	Acres
1	10-4.1	Antero Resources Corporation	OR12/739	60.38
2	10-4	Kevin L. & Tammy J. Thomas	OR7/290	32.22
3	10-5.3	Richard Daniel Bowen	344/814	25.92
4	9-16	Billy D. & Roma L. Hart	154/569	20.00
5	9-15.3	Billy D. & Roma L. Thomas Hart	WB21/443	4.50
6	9-12	Jimmy E. Patterson, et al	OR79/645	30.00
7	9-13	Kevin L. & Tammy J. Thomas	OR7/290	2.00
8	9-9	Patrick L. & Tammy M. Smith	341/695	58.50
9	9-9.1	Jennifer K. & Diane M. Thomas	AR46/754	40.00

Leases	
A	Berna J. Hammel
B	Sally & Mitchell Dunn
C	J&N Management Enterprises, LLC
D	Roma Hart

LATITUDE 39 - 30 - 00
LONGITUDE 80 - 57 - 30

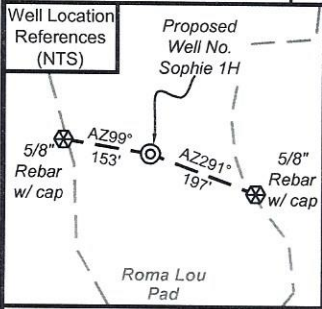
Notes
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements. Well No. Sophie Unit 1H Top Hole coordinates are N: 362,184.09' Latitude: 39°29'06.13" E: 1,583,917.35' Longitude: 80°58'27.27"

Bottom Hole coordinates are N: 362,025.90' Latitude: 39°29'04.26" E: 1,582,059.14' Longitude: 80°58'50.94"

UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,370,612.486m N: 4,370,554.825m
 E: 502,229.659m E: 501,664.356m

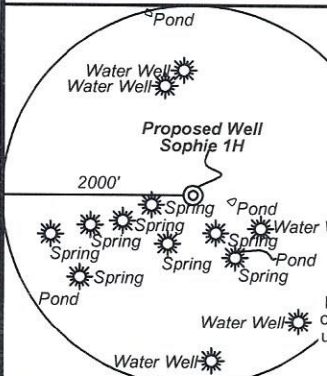
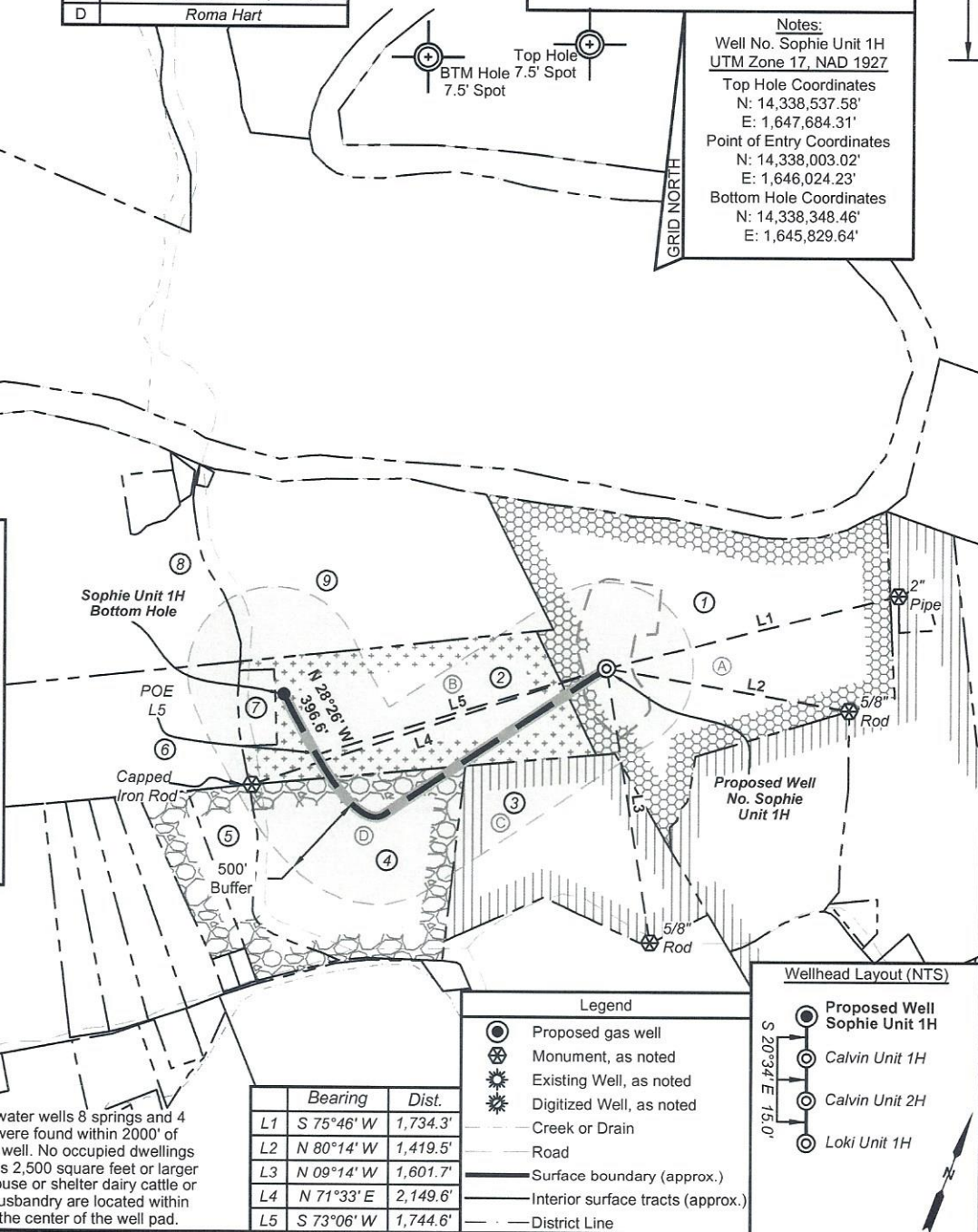
Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.

Notes:
 Well No. Sophie Unit 1H UTM Zone 17, NAD 1927
 Top Hole Coordinates
 N: 14,338,537.58'
 E: 1,647,684.31'
 Point of Entry Coordinates
 N: 14,338,003.02'
 E: 1,646,024.23'
 Bottom Hole Coordinates
 N: 14,338,348.46'
 E: 1,645,829.64'



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 prescribed by the Department of Environmental Protection.

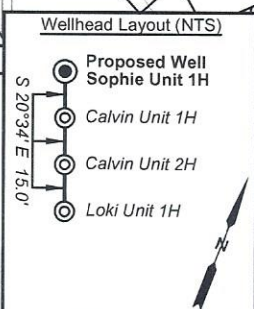
Bradley D. Miller
 Bradley D. Miller, P.S. 2167



Note: 5 water wells 8 springs and 4 ponds were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

	Bearing	Dist.
L1	S 75°46' W	1,734.3'
L2	N 80°14' W	1,419.5'
L3	N 09°14' W	1,601.7'
L4	N 71°33' E	2,149.6'
L5	S 73°06' W	1,744.6'

- Legend**
- Proposed gas well
 - Monument, as noted
 - Existing Well, as noted
 - Digitized Well, as noted
 - Creek or Drain
 - Road
 - Surface boundary (approx.)
 - Interior surface tracts (approx.)
 - District Line



FILE NO: 260-54-U-22
 DRAWING NO: Sophie Unit 1H
 SCALE: 1" = 1000'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

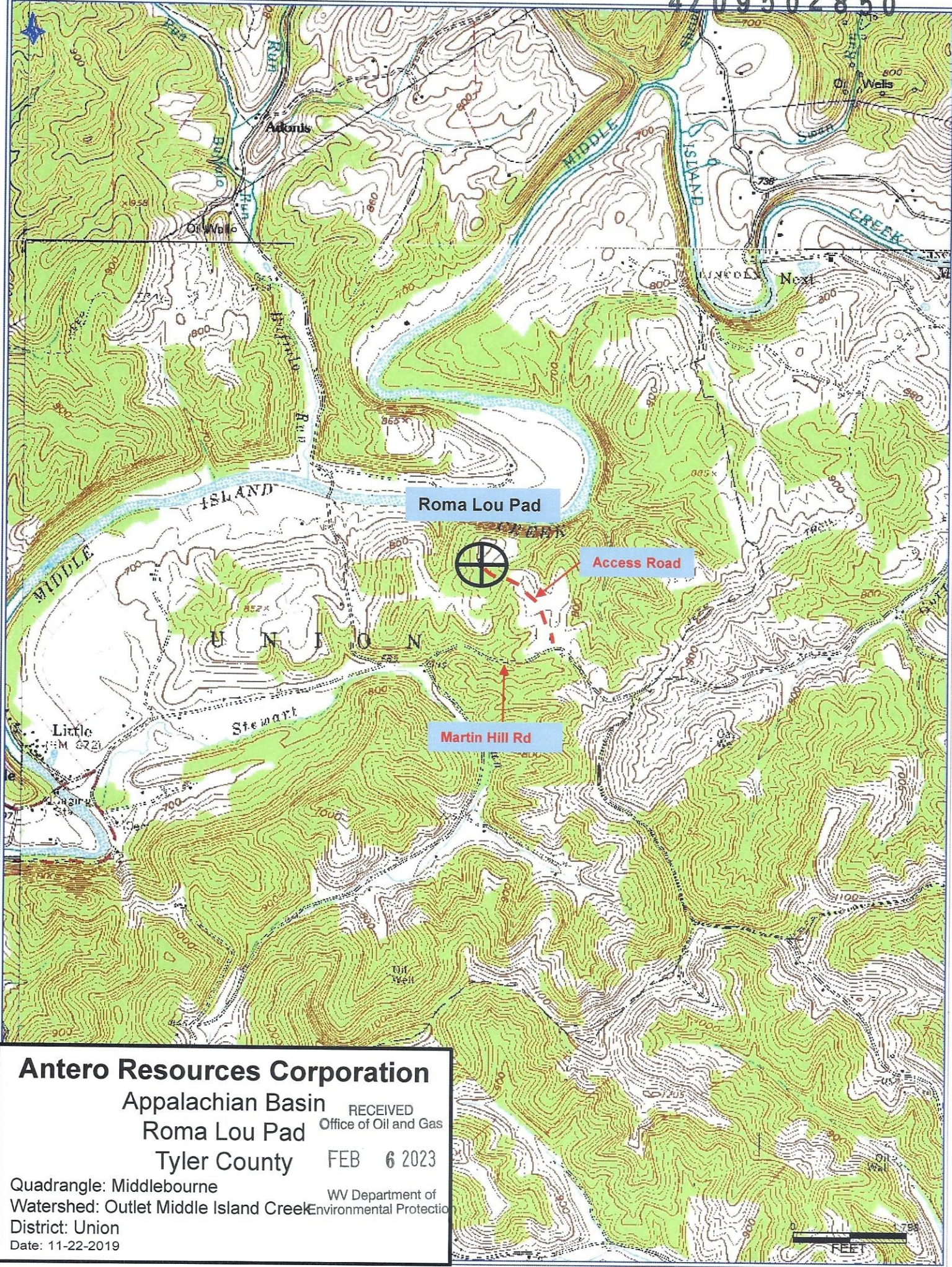
STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: January 23 2023
 OPERATOR'S WELL NO. Sophie 1H
 API WELL NO
 47 - 095 - 02850
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 883' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Middlebourne
 DISTRICT: Union COUNTY: Tyler 03/17/2023
 SURFACE OWNER: Antero Resources Corp. ACREAGE: 60.38
 ROYALTY OWNER: Berna J. Hammel; J&N Management Enterprises, LLC; Sally & Mitchell Dunn; Roma Hart LEASE NO: ACREAGE: 60.38; 107.929; 36.225; 38.87
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 6,500' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 9,500' MD

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



Antero Resources Corporation
 Appalachian Basin
 Roma Lou Pad
 Tyler County

RECEIVED
 Office of Oil and Gas
 FEB 6 2023

Quadrangle: Middlebourne
 Watershed: Outlet Middle Island Creek
 District: Union
 Date: 11-22-2019
 WV Department of Environmental Protection