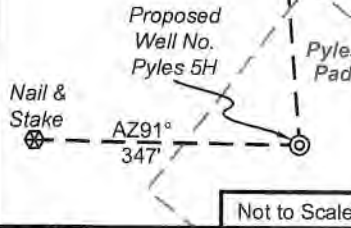


Antero Resources
Well No. Pyles 5H

Antero Resources Corporation

Well Location
References

Nail &
Stake



Not to Scale

Notes:
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.

Well No. Pyles 5H coordinates are
N: 368,453.34' Latitude: 39°30'14.08"
E: 1,622,676.18' Longitude: 80°50'14.16"

UTM Zone 17, NAD 1983 UTM Zone 17, NAD 1927

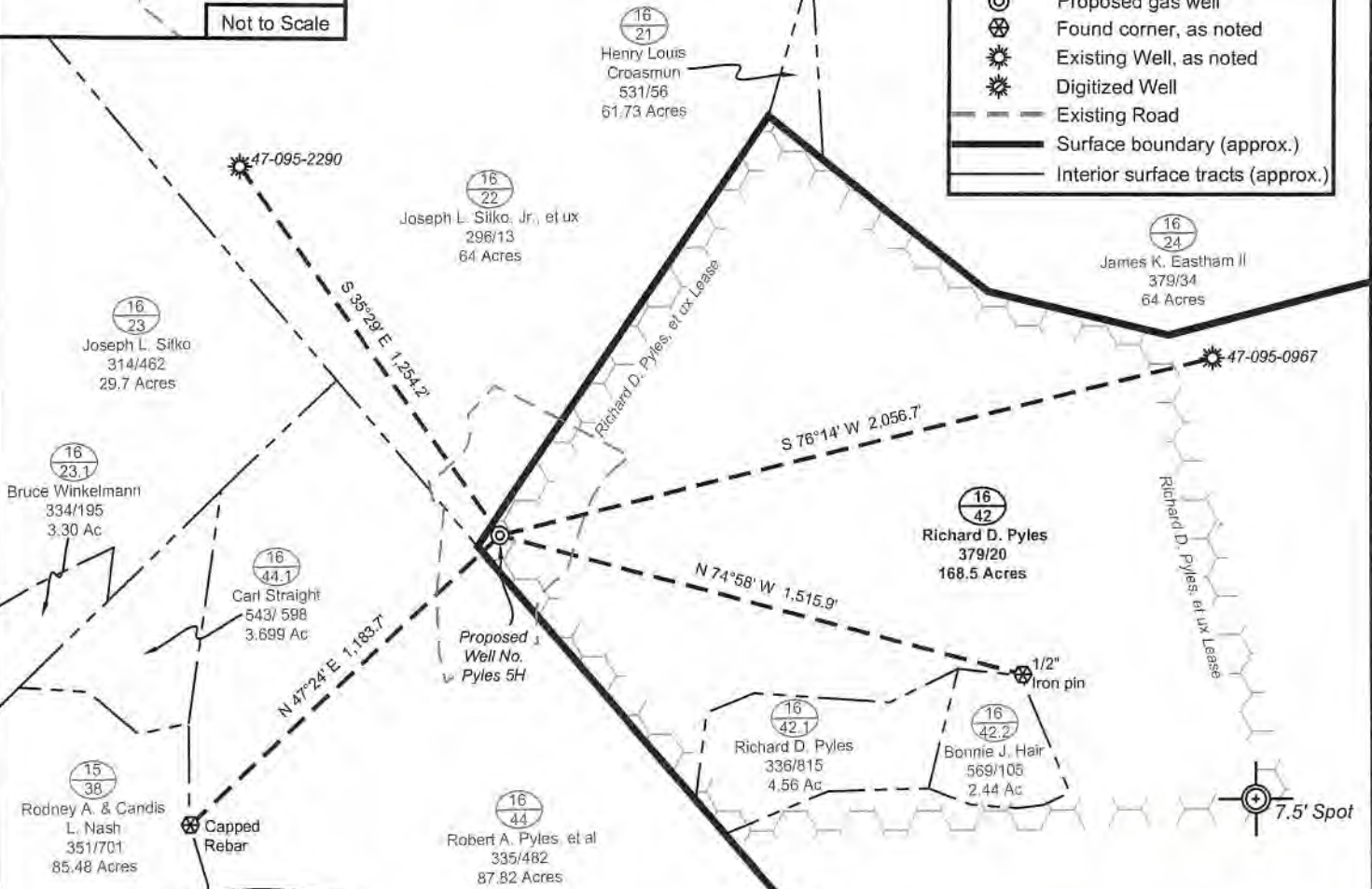
Top Hole Coordinates Top Hole Coordinates
N: 4,372,719.894m N: 14,345,450.60'
E: 514,005.777m E: 1,686,319.85'

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

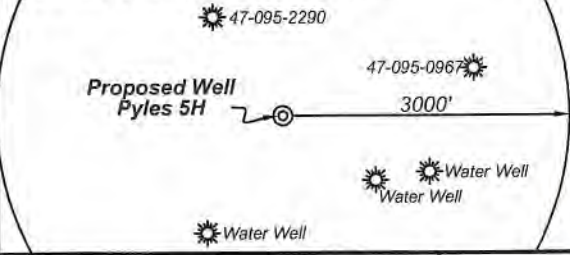
Well location references are based upon the magnetic meridian.

Legend

- ⊙ Proposed gas well
- ⊗ Found corner, as noted
- ☀ Existing Well, as noted
- ☀ Digitized Well
- - - Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)

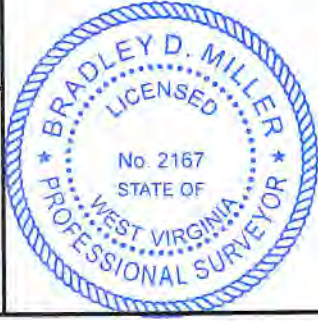


Note: 3 water wells were found within
2000' of proposed well. No occupied
dwellings or buildings 2,500 square feet
or larger used to house or shelter dairy
cattle or poultry husbandry are located
within 625' of the center of the well pad.



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



FILE NO: 189-54-E-19
DRAWING NO: Pyles 5H Well Plat
SCALE: 1" = 500'
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: December 16 2019
OPERATOR'S WELL NO. Pyles 5H
API WELL NO H4A
47 - 095 - 02678
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
Proposed 1,081'
LOCATION: ELEVATION: Existing 1,113' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Porter Falls
DISTRICT: Ellsworth COUNTY: Tyler
SURFACE OWNER: Richard D. Pyles ACREAGE: 168.5
ROYALTY OWNER: Richard D. Pyles, et ux LEASE NO: 81.482 ACREAGE: 81.482
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 7,200' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,200' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
Denver, CO 80202 Charleston, WV 25313

1,314' to Top Hole

LATITUDE 39 - 32 - 30

LONGITUDE 80 - 50 - 00

13,734' to Top Hole

Antero Resources Well No. Pyles 5H

Antero Resources Corporation

Well Location
References

Nail &
Stake



AZ175°

347'

Proposed
Well No.
Pyles 5H

Pyles
Pad

Nail &
Stake

AZ91°

347'

Not to Scale



Notes:

West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.

Well No. Pyles 5H coordinates are

N: 368,453.34' Latitude: 39°30'14.08"

E: 1,622,676.18' Longitude: 80°50'14.16"

UTM Zone 17, NAD 1983 UTM Zone 17, NAD 1927

Top Hole Coordinates

N: 4,372,719.894m

E: 514,005.777m

Top Hole Coordinates

N: 14,345,450.60'

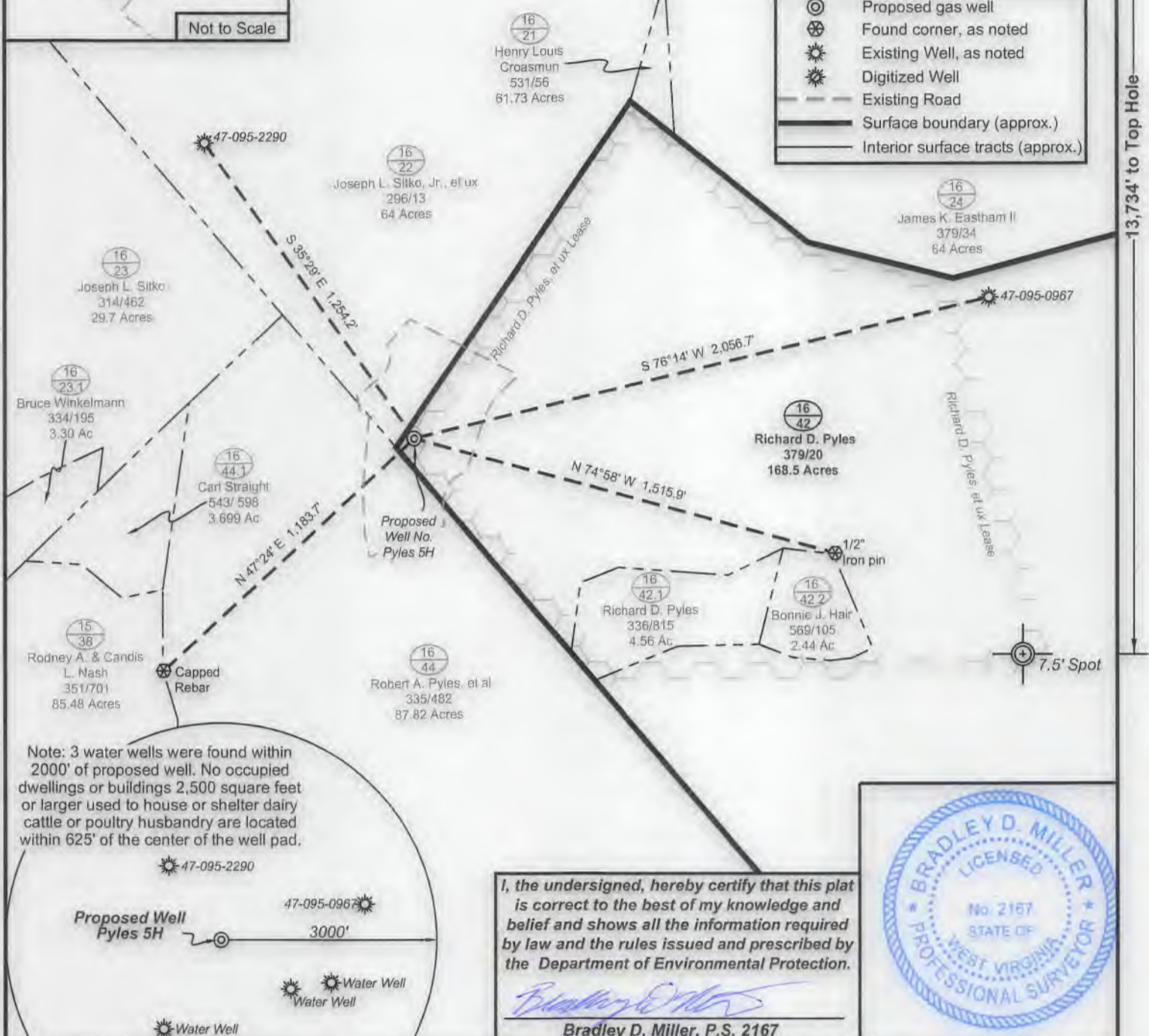
E: 1,686,319.85'

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

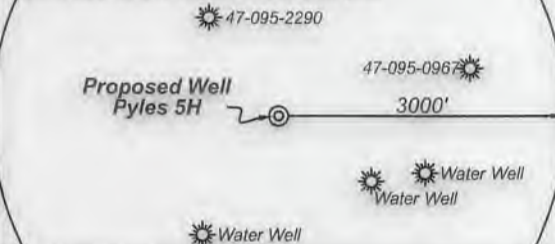
Well location references are based upon the magnetic meridian.

Legend

- Proposed gas well
- Found corner, as noted
- Existing Well, as noted
- Digitized Well
- Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)



Note: 3 water wells 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.



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



FILE NO: 189-54-E-19
 DRAWING NO: Pyles 5H Well Plat
 SCALE: 1" = 500'
 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: December 16, 2019
 OPERATOR'S WELL NO. Pyles 5H
 API WELL NO
 47 - 095 - 02678
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: Existing 1,113' Proposed 1,081' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Porter Falls
 DISTRICT: Ellsworth COUNTY: Tyler
 SURFACE OWNER: Richard D. Pyles ACREAGE: 168.5
 ROYALTY OWNER: Richard D. Pyles, et ux LEASE NO: ACRES: 81.482
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 7,200' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,200' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
 Denver, CO 80202 Charleston, WV 25313