west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Thursday, April 9, 2026
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit Modification Approval for STARBOARD UNIT 2H
47-085-10578-00-00

Lateral Extension w/Forced Pooling

ANTERO RESOURCES CORPORATION

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

H. Jason Harmon
Acting Chief

| | |
|---|---|
| Operator's Well Number: | STARBOARD UNIT 2H |
| Farm Name: | LOUIS D. EASTERDAY |
| U.S. WELL NUMBER: | 47-085-10578-00-00 |
| Horizontal 6A | New Drill |
| Date Modification Issued: | 04/09/2026 |



04/10/2026

WW-6B
(04/15)

Expedited Mod
$7,600.00
3/17/26
# 4049899

API NO. 47- 085 - 10578
OPERATOR WELL NO. Starboard Unit 2H MOD
Well Pad Name: Minear Pad

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: Antero Resources Corporat | 494507062 (Operator ID) | 085- Ritchie (County) | Union (District) | Pullman 7.5' (Quadrangle)

2) Operator's Well Number: Starboard Unit 2H MOD Well Pad Name: Minear Pad

3) Farm Name/Surface Owner: Louis Daniel Easterday Revocable Living Trust Public Road Access: Pullman Road

4) Elevation, current ground: 1097' Elevation, proposed post-construction: 1097'

5) Well Type (a) Gas X Oil _____ Underground Storage _____
Other _____
(b)If Gas Shallow X Deep _____
Horizontal X

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus Shale: 6900' TVD, Anticipated Thickness- 55 feet, Associated Pressure- 2800#

8) Proposed Total Vertical Depth: 6900' TVD

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 24,200' MD

11) Proposed Horizontal Leg Length: 14,999'

12) Approximate Fresh Water Strata Depths: 405', 757'

13) Method to Determine Fresh Water Depths: 47-085-08082, 47-085-04932

14) Approximate Saltwater Depths: 1085', 1522'

15) Approximate Coal Seam Depths: N/A

16) Approximate Depth to Possible Void (coal mine, karst, other): None Anticipated

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No X

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

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Environmental Protection

Jeremy Newlon 3-26-2026


04/10/2026

WW-6B
(04/15)

API NO. 47- 085 - 10578
OPERATOR WELL NO. Starboard Unit 2H MOD
Well Pad Name: Minear Pad

18) **CASING AND TUBING PROGRAM**

| TYPE | Size (in) | New or Used | Grade | Weight per ft. (lb/ft) | FOOTAGE: For Drilling (ft) | INTERVALS: Left in Well (ft) | CEMENT: Fill-up (Cu. Ft.)/CTS |
|---|---|---|---|---|---|---|---|
| Conductor | 20" | New | J-55 | 94# | 100 | 100 | CTS, 96 Cu. Ft. |
| Fresh Water | 13-3/8" | New | J-55 | 54.5# | 807' | 807' | CTS, 841 Cu. Ft. |
| Coal | 9-5/8" | New | J-55 | 36# | 3000 | 3000 | CTS, 1221 Cu. Ft. |
| Intermediate | | | | | | | |
| Production | 5-1/2" | New | P-110 | 23# | 24,200' | 24,200' | 5170 Cu. Ft |
| Tubing | 2-3/8" | New | N-80 | 4.7# | | | |
| Liners | | | | | | | |

| TYPE | Size (in) | Wellbore Diameter (in) | Wall Thickness (in) | Burst Pressure (psi) | Anticipated Max. Internal Pressure (psi) | Cement Type | Cement Yield (cu. ft./k) |
|---|---|---|---|---|---|---|---|
| Conductor | 20" | 24" | 0.438" | 1530 | 50 | Class A/L | ~1.18 |
| Fresh Water | 13-3/8" | 17-1/2" | 0.38" | 2730 | 1000 | Class A/L | ~1.18 |
| Coal | 9-5/8" | 12-1/4" | 0.352" | 3520 | 1500 | Class A/L | ~1.18 |
| Intermediate | | | | | | | |
| Production | 5-1/2" | 8-3/4" & 8-1/2" | 0.415" | 12,630 | 2500 | Lead-H/POZ & Tail - H | H/POZ-1.44 & H-1.8 |
| Tubing | 2-3/8" | 4.778" | 0.19" | 11,200 | | | |
| Liners | | | | | | | |

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**PACKERS**

| | | | | |
|---|---|---|---|---|
| Kind: | N/A | | | |
| Sizes: | N/A | | | |
| Depths Set: | N/A | | | |

Jeremy Newlon 3-26-2026


04/10/2026

WW-6B
(10/14)

API NO. 47- 085 - 10578
OPERATOR WELL NO. Starboard Unit 2H MOD
Well Pad Name: Minear Pad

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill, perforate, fracture a new shallow well and complete Marcellus Shale.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Antero plans to pump Slickwater into the Marcellus Shale formation in order to ready the well for production. The fluid will be comprised of approximately 99 percent water and sand, with less than 1 percent special-purpose additives as shown in the attached "List of Anticipated Additives Used for Fracturing or Stimulating Well."

Anticipated Max Pressure - 9300 lbs
Anticipated Max Rate - 80 bpm

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 36.68 acres

22) Area to be disturbed for well pad only, less access road (acres): 17.70 acres

23) Describe centralizer placement for each casing string:

Conductor: no centralizers
Surface Casing: one centralizer 10' above the float shoe, one on the insert float collar and one every 4th joint spaced up the hole to surface.
Intermediate Casing: one centralizer above float joint, one centralizer 5' above float collar and one every 4th collar to surface.
Production Casing: one centralizer at shoe joint and one every 3 joints to top of cement in intermediate casing.

24) Describe all cement additives associated with each cement type:

Conductor: no additives, Class A/L cement.
Surface: Class A/L cement with 2-3% calcium chloride and 1/4 lb of flake
Intermediate: Class A/L cement with 1/4 lb of flake, 5 gallons of clay treat
Production: Lead cement- 50/50 Class H/Poz + 1.5% salt + 1% C-45 + 0.5% C-16a + 0.2% C-12 + 0.45% C-20 + 0.05% C-51
Production: Tail cement- Class H + 45 PPS Calcium Carbonate + 1.0% FL-160 + 0.2% ACGB-47 + 0.05% ACSA-51 + 0.2% ACR-20

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25) Proposed borehole conditioning procedures:

Conductor: blowhole clean with air, run casing, 10 bbls fresh water.
Surface: blowhole clean with air, trip to conductor shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate pipe capacity + 40 bbls fresh water followed by 25 bbls bentonite mud, 10 bbls fresh water spacer.
Intermediate: blowhole clean with air, trip to surface casing shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate 40 bbls brine water followed by 10 bbls fresh water and 25 bbls bentonite mud, pump 10 bbls fresh water.
Production: circulate with 14 lb/gal NaCl mud, trip to middle of lateral, circulate, pump high viscosity sweep, trip to base of curve, pump high viscosity sweep, trip to top of curve, trip to bottom, circulate, pump high viscosity sweep, trip out, run casing, circulate 10 bbls fresh water, pump 48 bbls barite pill, pump 10 bbls fresh water followed by 48 bbls mud flush and 10 bbls water.

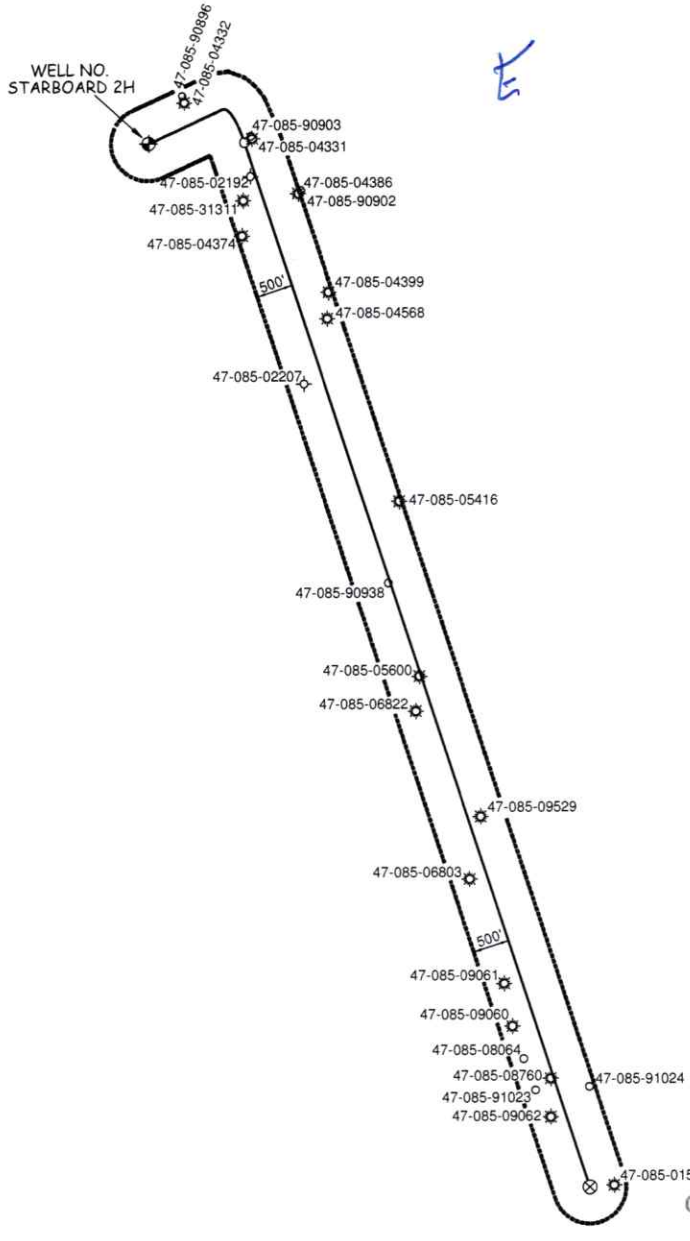
*Note: Attach additional sheets as needed.

Jeremy Newlon 3-26-2026



04/10/2026

# MINEAR PAD
# ANTERO RESOURCES CORPORATION




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| | | |
|---|---|---|
| WILLOW LAND SURVEYING, PLLC<br>P.O. BOX 17, PENNSBORO, WV 26415<br>(304) 659-1717 | | SCALE : 1-INCH = 2000-FEET<br>0' 2000' 4000' 6000' |
| DATE: 02/13/26 | DRAWN BY: D.L.P. | JOB #: 25-027WA<br>FILE: STARBOARD2HAOR.DWG |

04/10/2026

| UWI (APINum) | Well Name | Well Number | Operator | Historical Operator | TD | Perforated Interval (shallowest, deepest) | Perforated Formation(s) | Producible Formation(s) not perf'd |
|---|---|---|---|---|---|---|---|---|
| 4708590896 | | | | | | | | |
| 4708504332 | HOWARD SARAH C | H-776 | HAUGHT G L & SONS | HAUGHT G L & SONS | 2,460 | 1996 - 2312 | Weir | Benson, Alexander |
| 4708590903 | | | | | | | | |
| 4708504331 | HADDOX DANIEL ETAL | H-777 | HAUGHT G L & SONS | HAUGHT G L & SONS | 2,685 | 2322 - 2365 | | Benson, Alexander |
| 4708502192 | SARAH & JAMES HOWAR | 1 | STRICKLIN C A | STRICKLIN C A | 2,318 | | | |
| 4708531311 | G C HOWARD 1 | 1-943 | CARNEGIE NATURAL GAS | CARNEGIE NATURAL GAS | 2,086 | | Maxton, Big Lime, Big Injun | Benson, Alexander |
| 4708504386 | COX DAVID | H-845 | HAUGHT G L & SONS | HAUGHT G L & SONS | 2,650 | 2268 - 2537 | Berea, Weir | Benson, Alexander |
| 4708590902 | | | | | | | | |
| 4708504374 | HOWARD JAMES | H-819 | HAUGHT G L & SONS | HAUGHT G L & SONS | 2,600 | 1938 - 2500 | Big Injun | Benson, Alexander |
| 4708504399 | MULLENIX DESSIE M | H-858 | HAUGHT G L & SONS | HAUGHT G L & SONS | 2,600 | 2214 - 2482 | Weir | Benson, Alexander |
| 4708504568 | BITNER W W ETAL | 1 | CHASE PETROLEUM CO | CHASE PETROLEUM CO | 5,406 | 4326 - 5072 | Speechley, Balltown, Riley, Benson, Alexander | Weir |
| 4708502207 | RUSSELL WILSON | 1 | ACME FUEL CO | ACME FUEL CO | 1,928 | | | |
| 4708505416 | GRIMM F L ET UX | 1 | CHASE PETROLEUM CO | CHASE PETROLEUM CO | 5,332 | 3289 - 5067 | Udev, Riley, Alexander | Weir, Alexander |
| 4708590938 | | | | | | | | |
| 4708505600 | LOGAN C M ET AL | 1 | CHASE PETROLEUM CO | CHASE PETROLEUM CO | 4,711 | 3192 - 3202 | Maxton | Benson, Alexander |
| 4708506822 | GOFF JOHN A | 1 | PRIOR OIL CO | PRIOR OIL CO | 5,398 | 3227 - 5181 | Udev, Lower Huron, Angola | Benson, Alexander |
| 4708509529 | COX P | 4 | STALNAKER ENERGY CORP | MURVIN & MEIER OIL | 2,511 | 2016 - 2300 | Big Injun, Weir | Benson, Alexander |
| 4708506803 | GOFF JOHN A | 3 | PRIOR OIL CO | PRIOR OIL CO | 5,457 | 3195 - 5412 | Udev, Lower Hurron, Rhinestreet | Benson, Alexander |
| 4708509061 | COX | 3 | DORWARD ENERGY CORP | BECKER OPERATING CO | 2,400 | 1795 - 2367 | 3rd Salt, Maxton, Up Weir, Lo Weir | Benson, Alexander |
| 4708509060 | Cox | 2 | DORWARD ENERGY CORP | BECKER OPERATING CO | 2,370 | 1973 - 2271 | Big Injun, Up Weir, Lo Weir | Benson, Alexander |
| 4708508064 | OTHA COX | D-6 | DORWARD ENERGY CORP | DORVA CORP | | | | |
| 4708508760 | SNYDER | 1 | STALNAKER ENERGY CORP | MURVIN & MEIER OIL | 5,150 | 3202 - 5020 | Speechley, Balltown, Riley, Alexander | Weir, Benson |
| 4708591024 | | | | | | | | |
| 4708591023 | | | | | | | | |
| 4708509062 | Cox | 4 | DORWARD ENERGY CORP | BECKER OPERATING CO | 2,250 | 1890 - 2187 | Big Injun, Lo Weir, Up Weir | Benson, Alexander |
| 4708501534 | M H COX | 1 | GABLE ALAN OIL DEVELOPMENT CO | SCANDOLA OIL & GAS | 2,414 | | Berea | Benson, Alexander |

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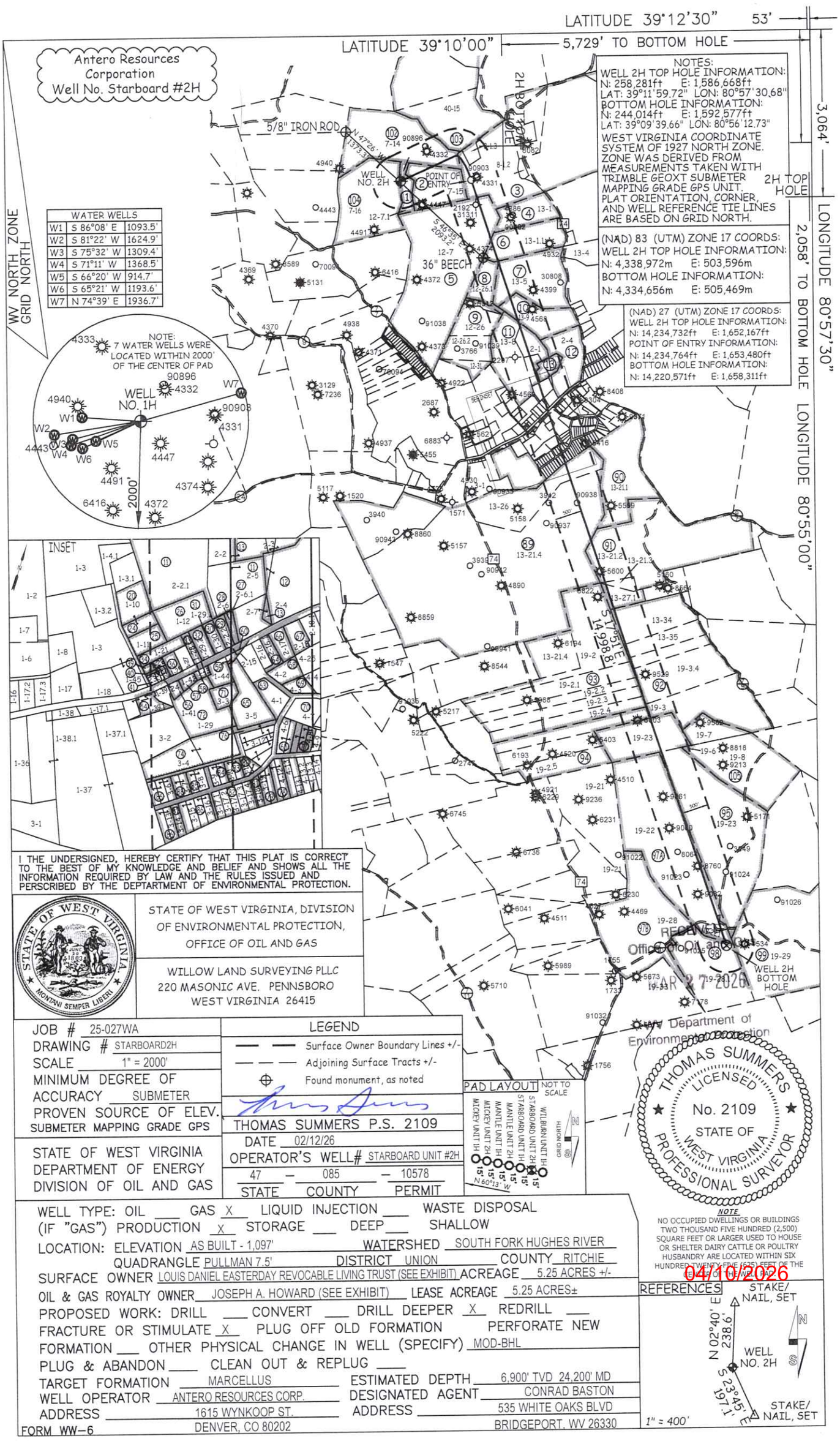

LATITUDE 39°12'30"
53'
LATITUDE 39°10'00"
5,729' TO BOTTOM HOLE
3,064'
2H TOP HOLE
2,058' TO BOTTOM HOLE
LONGITUDE 80°57'30"
LONGITUDE 80°55'00"
Antero Resources Corporation
Well No. Starboard #2H
WV NORTH ZONE GRID NORTH
NOTES:
WELL 2H TOP HOLE INFORMATION:
N: 258,281ft E: 1,586,668ft
LAT: 39°11'59.72" LON: 80°57'30.68"
BOTTOM HOLE INFORMATION:
N: 244,014ft E: 1,592,577ft
LAT: 39°09'39.66" LON: 80°56'12.73"
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 2H TOP HOLE INFORMATION:
N: 4,338,972m E: 503,596m
BOTTOM HOLE INFORMATION:
N: 4,334,656m E: 505,469m
(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 2H TOP HOLE INFORMATION:
N: 14,234,732ft E: 1,652,167ft
POINT OF ENTRY INFORMATION:
N: 14,234,764ft E: 1,653,480ft
BOTTOM HOLE INFORMATION:
N: 14,220,571ft E: 1,658,311ft
WATER WELLS
W1 S 86°08' E 1093.5'
W2 S 81°22' W 1624.9'
W3 S 75°32' W 1309.4'
W4 S 71°11' W 1368.5'
W5 S 66°20' W 914.7'
W6 S 65°21' W 1193.6'
W7 N 74°39' E 1936.7'
NOTE: 7 WATER WELLS WERE LOCATED WITHIN 2000' OF THE CENTER OF PAD
WELL NO. 1H
2000'
INSET
5/8" IRON ROD
WELL NO. 2H
POINT OF ENTRY
2H BOTTOM HOLE
36" BEECH
S 17°51'14" W 998.8'
WELL 2H BOTTOM HOLE
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
JOB # 25-027WA
DRAWING # STARBOARD2H
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 02/12/26
OPERATOR'S WELL# STARBOARD UNIT #2H
47 – 085 – 10578
STATE COUNTY PERMIT
PAD LAYOUT NOT TO SCALE
STARBOARD UNIT 1H
STARBOARD UNIT 2H
WILBURN UNIT 1H
MANTLE UNIT 1H
MANTLE UNIT 2H
MICKEY UNIT 2H
MICKEY UNIT 1H
HERON GRID
N 60°13' W
15'
RECEIVED
Office of Oil and Gas
MAR 27 2026
WV Department of Environmental Protection
THOMAS SUMMERS LICENSED No. 2109 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR
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
04/10/2026
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION AS BUILT - 1,097' WATERSHED SOUTH FORK HUGHES RIVER
QUADRANGLE PULLMAN 7.5' DISTRICT UNION COUNTY RITCHIE
SURFACE OWNER LOUIS DANIEL EASTERDAY REVOCABLE LIVING TRUST (SEE EXHIBIT) ACREAGE 5.25 ACRES +/-
OIL & GAS ROYALTY OWNER JOSEPH A. HOWARD (SEE EXHIBIT) LEASE ACREAGE 5.25 ACRES±
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER X REDRILL ___
FRACTURE OR STIMULATE X 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 6,900' TVD 24,200' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CONRAD BASTON
ADDRESS 1615 WYNKOOP ST. ADDRESS 535 WHITE OAKS BLVD
DENVER, CO 80202 BRIDGEPORT, WV 26330
FORM WW-6
REFERENCES
STAKE/ NAIL, SET
N 02°40' E 238.6'
WELL NO. 2H
S 23°45' E 197.1'
STAKE/ NAIL, SET
1" = 400'

EXHIBIT
STARBOARD 2H

| | LESSOR |
|---|---|
| 1 | JOSEPH A. HOWARD |
| 2 | JOYCE ANN HOWARD |
| 3 | DANIEL HADDOX AND CLARETH HADDOX |
| 4 | DAVID L. COX AND ROSE E. COX |
| 5 | JAMES M. HOWARD AND HELEN HOWARD, ET AL |
| 6 | DAVID L. COX AND ROSE E. COX, ET AL |
| 7 | HELEN R. NICHOLS |
| 8 | JOHN F. GREGG |
| 9 | JAY ALAN GREGG |
| 10 | WILLIAM W. BITNER AND EVELYN A. BITNER |
| 11 | ANTERO MINERALS, LLC. |
| 12 | CARL L. KUHN AND KATHLEEN L. KUHN |
| 13 | TOWN OF PULLMAN |
| 20 | LOIS ANN WEINER |
| 24 | KENNETH BLANE NICHOLAS AND PAMELA SUE NICHOLAS |
| 25 | MATTHEW TODD ADAMS, ET AL |
| 26 | GREGORY O. COX |
| 27 | MOLLY S. MCKEAN |
| 28 | NATHANIEL B. MCKEAN |
| 29 | FAITH A. HOSEY |
| 30 | ANDREW L. HOSEY, ET AL |
| 31 | ANDREW L. HOSEY ET AL |
| 32 | DAVID P. HOSEY, SR. AND BETTY L. HOSEY, ET AL |
| 33 | ANDREW L. HOSEY, ET AL |
| 34 | MATTHEW T. ADAMS AND MARY C. ADAMS |
| 36 | WAYNE L. SNYDER AND JOYCE M. SNYDER |
| 38 | WAYNE L. SNYDER AND JOYCE M. SNYDER |
| 39 | WAYNE L. SNYDER AND JOYCE M. SNYDER |
| 40 | JACK WAYNE KIRSCH, II |
| 41 | JACK WAYNE KIRSCH, II |
| 54 | MICHAEL G. EDWARDS |
| 56 | MICHAEL G. EDWARDS AND TRACY L. EDWARDS |
| 57 | EDDY DEAN BECK |
| 58 | DAVID ALLAN MICHAEL HOSEY |
| 59 | TERRY EAKLE |
| 60 | TRUSTEES OF THE M. P. CHURCH OF PULLMAN, WV |
| 63 | WILSON-JOHNSON FAMILY, LLC. |
| 64 | BRACKEN HENDRICKS |
| 65 | BRADLEY M. DODD AND KYLE D. ADAMS |
| 66 | MICHAEL P. LEGGETT |
| 67 | ROBERT ANTHONY ARNETT |
| 68 | RAY FRANCIS SUTORIUS |
| 69 | ANGELA D. LAYFIELD |
| 70 | SHANE C. KERNS AND ELLEN S. KERNS |
| 71 | ANGELA LOU HARDBARGER |
| 72 | MICHAEL G. EDWARDS AND TRACY L. EDWARDS |
| 74 | MICHAEL EDWARDS AND TRACY EDWARDS, JTWROS |
| 76 | CHARLOTTE L. GRIMM |
| 77 | FRANCIS L. GRIMM AND CHARLOTTE W. GRIMM |
| 78 | RHONDA MICHELS |
| 79 | DUANE RIGGS |
| 80 | RAY FRANCIS SUTORIUS |
| 81 | PATTY W. COX, INCAPACITATED, BY WILLIAM KEVIN COX |
| 82 | CLYDE E. COLLINS |
| 83 | RAY FRANCIS SUTORIUS |
| 84 | MICHAEL EDWARDS AND TRACY EDWARDS, JTWROS |
| 85 | MICHAEL EDWARDS AND TRACY EDWARDS, JTWROS |
| 86 | SHERRY L. COGAR |
| 87 | CLYDE E. COLLINS |
| 88 | CHARLES E. COTTRILL AND STELLA M. COTTRILL |
| 89 | W.S. CHAPMAN AND JENNIE M. CHAPMAN |
| 90 | CAROLYN LOGAN AND PATRICK LOGAN |
| 91 | JOHN M. MCKINLEY AND JOANNE S. MCKINLEY, ET AL |
| 92 | RUSSELL WILSON, ET AL |
| 93 | JOHN GOFF AND HILDA M. GOFF |
| 94 | JOHN GOFF |
| 95 | S.M. GRIMM AND HATTIE A. GRIM |
| 97A | W. F. COX, ET UX |
| 97B | W. F. COX, ET UX |
| 98 | W. F. COX, ET UX |
| 99 | AMP FUND II, LP. ET AL |
| 102 | SARAH C. HOWARD |
| 103 | NORMA C. DAWSON |
| 104 | KENNETH B. PERINE AND PATRICIA PERINE |
| 105 | KEY OIL COMPANY AND FRANKLIN L. BUTLER |

| CLAY DISTRICT - RITCHIE COUNTY | | PULLMAN CORPORATION - RITCHIE COUNTY | |
|---|---|---|---|
| 40-15 | Wayne & Delphene Haddox | 1-2 | John Gregg |
| UNION DISTRICT - RITCHIE COUNTY | | 1-3 | Carl Kuhn |
| 7-15 | Louis Daniel Easterday Revocable Living Trust | 1-3.1 | Kenneth & Pamela Nicholas |
| 7-16 | Louis D Easterday | 1-3.2 | Kenneth & Pamela Nicholas |
| 8-1.2 | Danny Haddox Et Al | 1-4.1 | Kenneth Nicholas |
| 8-1.3 | Wayne & Delphene Haddox | 1-6 | Douglas Tingler |
| 12-7 | Louis Daniel Easterday Revocable Living Trust | 1-7 | Douglas Tingler |
| 12-7.1 | Louis Daniel Easterday Revocable Living Trust | 1-8 | Sharon Jones |
| 12-26 | Pamela Nicholson | 1-10 | Kenneth & Pamela Nicholas |
| 12-26.1 | Eric Nicholas | 1-11 | Carolyn Gumm |
| 12-26.2 | Rhonda & Eric White | 1-12 | Shelby Adams |
| 12-31 | Jay Gregg | 1-16 | Jordan Lanham |
| 13-1 | David & Rose Cox | 1-17 | Louis & Rachel Flanigan |
| 13-1.1 | David & Rose Cox | 1-17.1 | Jack & Linda Langford |
| 13-4 | Jennifer Graham | 1-17.2 | Louis & Rachel Flanigan |
| 13-5 | Curtis Lindner Et Al | 1-17.3 | Louis & Rachel Flanigan |
| 13-8 | Nathaniel & Holly McKean | 1-18 | Laura Cox |
| 13-9 | Matthew & Laura Barrett | 1-21 | Matthew & Mary Adams |
| 13-21.1 | Stephen Loehr | 1-22 | Wayne & Joyce Snyder |
| 13-21.2 | John Campbell | 1-23 | Jack Kirsch II |
| 13-21.3 | John Campbell | 1-23.1 | Wayne & Joyce Snyder |
| 13-21.4 | Hershberger Sawing & Logging LLC | 1-24 | Wayne & Joyce Snyder |
| 13-26 | Robert & Judith Miller | 1-24.1 | Wayne & Joyce Snyder |
| 13-27.1 | John Campbell | 1-25 | Eddy & Brenda Beck |
| 13-34 | Brian & Kimberly Workman | 1-27 | David Hosey |
| 13-35 | Brian & Kimberly Workman | 1-28 | Andrew Hosey Et Al |
| 13-37 | John Goff | 1-29 | Michael & Tracy Edwards |
| 19-2 | John Goff | 1-29.1 | Andrew Hosey Et Al |
| 19-2.1 | John Goff | 1-29.2 | David & Betty Hosey |
| 19-2.2 | John Goff | 1-30 | Andrew Hosey Et Al |
| 19-2.3 | John Goff | 1-36 | Glenn & Susan Shive |
| 19-2.4 | John Goff | 1-37 | Susan Shive Et Al |
| 19-2.5 | John Goff | 1-37.1 | Jenna Amos |
| 19-3 | Brian & Kimberly Workman | 1-38 | Susan Shive Et Al |
| 19-3.4 | Dean Divins | 1-38.1 | Susan Shive Et Al |
| 19-6 | Lilburn Wilburn Jr. Et Al | 1-39 | Michael Edwards |
| 19-7 | Brian & Kimberly Workman | 1-39.3 | Michael Edwards |
| 19-8 | Brian & Kimberly Workman | 1-41 | Michael & Tracy Edwards |
| 19-21 | Lizetta Goff | 1-42 | Brenda Beck |
| 19-22 | Kenneth & Lisa Naumann | 1-43 | David Hosey |
| 19-22.1 | Lisa Naumann | 1-44 | Lola Eakle |
| 19-23 | Lilburn Wilburn Jr. Et Al | 1-45 | Jack Kirsch II |
| 19-28 | Ernest & Reta Clark | 2-1 | Nathaniel & Molly McKean |
| 19-28.1 | Joey Napier | 2-2 | Nathaniel & Molly McKean |
| 19-29 | Ray Sutorius | 2-2.1 | Nathaniel & Molly McKean |
| 19-33 | Ernest & Reta Clark | 2-2.2 | Nathaniel & Molly McKean |
| | | 2-3 | Town of Pullman |
| | | 2-4 | Carl Kuhn |
| | | 2-5 | Nathaniel & Molly McKean |
| | | 2-6 | Nathaniel & Molly McKean |
| | | 2-6.1 | Nathaniel & Molly McKean |
| | | 2-7 | Nathaniel & Molly McKean |
| | | 2-15 | M P Church |
| | | 2-16 | Michael Leggett |
| | | 2-16.1 | Michael Leggett |
| | | 2-17 | Michael Leggett |
| | | 2-18 | Robert & Sheila Sandy |
| | | 2-18.1 | Robert Arnott |
| | | 3-1 | Robert Amos |
| | | 3-2 | WVDOT |
| | | 3-3 | Jenna Amos |
| | | 3-4 | Michael & Tracy Edwards |
| | | 3-5 | Pullman Cemetery Committee |
| | | 3-6 | Jesse Fine & Krystin Yost |
| | | 3-7 | Charles & Stella Cottrill |
| | | 3-8 | Michael & Tracy Edwards |
| | | 3-9 | Michael & Tracy Edwards |
| | | 3-10 | Ray Sutorius |
| | | 3-11 | Samuel Grimm |
| | | 3-12 | Pullman Cemetery Board |
| | | 3-13 | Jesse Fine & Krystin Yost |
| | | 3-14 | Jesse Fine & Krystin Yost |
| | | 3-15 | Jesse Fine & Krystin Yost |
| | | 3-16 | Jesse Fine & Krystin Yost |
| | | 3-17 | Jesse Fine & Krystin Yost |
| | | 3-17.1 | Jesse Fine & Krystin Yost |
| | | 3-17.2 | Jesse Fine & Krystin Yost |
| | | 3-17.3 | Jesse Fine & Krystin Yost |
| | | 3-17.4 | Jesse Fine & Krystin Yost |
| | | 3-18 | Patty Cox |
| | | 3-19 | Duane Riggs |

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| Grantor, lessor, etc. | Grantee, lessee, etc. | Royalty | Book/Page |
|---|---|---|---|
| 7: Helen R. Nichols Lease<br>Helen R. Nichols | Antero Resources Corporation | 1/8+ | 0355/0852 |
| 10: William W. Bitner and Evelyn A. Bitner Lease<br>William W. Bitner and Evelyn A. Bitner<br>Alton Skinner<br>Chase Petroleum Incorporated | Alton Skinner<br>Chase Petroleum Incorporated<br>Antero Resources Corporation | 1/8<br>Assignment<br>Assignment | 0129/0785<br>0136/0272<br>0362/0529 |
| 11: Antero Minerals, LLC Lease<br>Antero Minerals, LLC | Antero Resources Corporation | 1/8 | 0341/0835 |
| 27: Molly S. McKean Lease<br>Molly S. McKean | Antero Resources Corporation | 1/8+ | 0361/0319 |
| 28: Nathaniel B. McKean Lease<br>Nathaniel B. McKean | Antero Resources Corporation | 1/8+ | 0361/0635 |
| 29: Faith A. Hosey Lease<br>Faith A. Hosey | Antero Resources Corporation | 1/8+ | 0360/0259 |
| 59: Terry Eakle Lease<br>Terry Eakle | Antero Resources Corporation | 1/8+ | 0358/0434 |
| 65: Trustees of the Pullman Cemetery Board Lease<br>Trustees of the Pullman Cemetery Board | Antero Resources Corporation | 1/8 | Pooled Tract |
| 59: Terry Eakle Lease<br>Terry Eakle | Antero Resources Corporation | 1/8+ | 0358/0434 |
| 71: Angela D. Layfield Lease<br>Angela D. Layfield | Antero Resources Corporation | 1/8+ | 0358/0132 |
| 65: Trustees of the Pullman Cemetery Board Lease<br>Trustees of the Pullman Cemetery | Antero Resources Corporation | 1/8 | Pooled Tract |
| 72: Michael G. Edwards and Tracy L. Edwards Lease<br>Michael G. Edwards and Tracy L. Edwards | Antero Resources Corporation | 1/8+ | 0358/0123 |
| 74: Michael Edwards and Tracy Edwards, JTWROS Lease<br>Michael Edwards and Tracy Edwards, JTWROS | Antero Resources Corporation | 1/8+ | 0356/0914 |
| 83: Ray Francis Sutorius Lease<br>Ray Francis Sutorius | Antero Resources Corporation | 1/8+ | 0363/0758 |

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|---|---|---|---|
| **1: Joseph A. Howard Lease** | | | |
| **Joseph A. Howard** | **Antero Resources Corporation** | **1/8+** | **0323/0561** |
| **2: Joyce Ann Howard Lease** | | | |
| Joyce Ann Howard | Warren R. Haught | 1/8 | 0123/0638 |
| Warren R. Haught | ANJO Investments | Assignment | 0171/0739 |
| ANJO Investments | 710 Corporation | Assignment | 0194/0342 |
| 710 Corporation | Whittle Corporation | Assignment | 0234/0182 |
| **Whittle Corporation** | **Antero Resources Corporation** | **Assignment** | **0261/0105** |
| **102: Sarah C. Howard Lease** | | | |
| Sarah C. Howard | Warren R. Haught | 1/8 | 0123/0632 |
| Warren R. Haught | Courtney Co Inc | Assignment | 0171/0733 |
| Courtney Co Inc | Petro Southern Inc | Assignment | 0171/0729 |
| Petro Southern Inc | Shanley Oil Company | Assignment | 0186/0022 |
| Shanley Oil Company | DWD Resources LLC | Assignment | 0260/0446 |
| DWD Resources LLC | Whittle Corporation | Assignment | 0260/0445 |
| Whittle Corporation | Antero Resources Appalachian | Assignment | 0261/0105 |
| Antero Resources Appalachian | Antero Resources Corporation | Name Change | 0015/0705 |
| Antero Resources Corporation | Haught Energy, et al | Assignment | 0262/0474 |
| Haught Energy, et al | Burning Springs Energy, LLC | Assignment | 0308/0796 |
| Burning Springs Energy, LLC | HG Energy Appalachia, LLC | Assignment | 0316/0372 |
| **HG Energy Appalachia, LLC** | **Antero Resources Corporation** | **Assignment** | **0360/0078** |
| **3: Daniel Haddox and Clareth Haddox** | | | |
| Daniel Haddox and Clareth Haddox | Warren R. Haught | 1/8 | 0127/0219 |
| Warren R. Haught | Courtney Co Inc | Assignment | 0171/0733 |
| Courtney Co Inc | Petro Southern Inc | Assignment | 0171/0729 |
| Petro Southern Inc | Shanley Oil Company | Assignment | 0186/0022 |
| Shanley Oil Company | Black Petroleum Corporation | Assignment | 0191/0133 |
| Black Petroleum Corporation | Apple Corporation | Assignment | 0203/0778 |
| Apple Corporation | Eastern American Energy Corporation | Assignment | 0211/0282 |
| Eastern American Energy Corporation | Antero Resources Appalachian | Assignment | 02570/377 |
| **Antero Resources Appalachian** | **Antero Resources Corporation** | **Name Change** | **0015/0705** |
| **5: James M. Howard and Helen Howard, Et Al Lease** | | | |
| James M. Howard and Helen Howard, Et Al | Warren R. Haught | 1/8 | 0123/0640 |
| Warren R. Haught | 710 Corporation | Assignment | 0176/0609 |
| 710 Corporation | Whittle Corporation | Assignment | 0234/0182 |
| Whittle Corporation | Burning Springs Energy, LLC | Assignment | 0291/0575 |
| Burning Springs Energy, LLC | HG Energy II Appalachia, LLC | Assignment | 0316/0372 |
| **HG Energy II Appalachia, LLC** | **Antero Resources Corporation** | **Assignment** | **0360/0078** |
| **6: David L. Cox and Rose E. Cox, Et Al Lease** | | | |
| David L. Cox and Rose E. Cox, Et Al | Alton Skinner | 1/8 | 0132/0047 |
| Alton Skinner | Chase Petroleum Incorporated | Assignment | 0139/0679 |
| **Chase Petroleum Incorporated** | **Antero Resources Corporation** | **Assignment** | **0362/0529** |
| **8: John F. Gregg Lease** | | | |
| **John F. Gregg** | **Antero Resources Corporation** | **1/8+** | **0333/0511** |

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|---|---|---|---|
| **82: Clyde E. Collins Lease** | | | |
| Clyde E. Collins | SEP Appalachia LLC | 1/8+ | 0358/0207 |
| **SEP Appalachia LLC** | **Antero Resources Corporation** | **Agreement** | **0366/0531** |
| **89: W.S. Chapman and Jennie M. Chapman Lease** | | | |
| W.S. Chapman and Jennie M. Chapman | Carnegie Natural Gas Company | 1/8 | 0041/0040 |
| Carnegie Natural Gas Company | Carnegie Production Company | Assignment | 0288/0859 |
| Carnegie Production Company | EQT Production Company | Name Change | WVSOS |
| **EQT Production Company** | **Antero Resources Corporation** | **Assignment** | **0358/0729** |
| **91: John M. McKinley and Joanne S. McKinley, Et Al Lease** | | | |
| John M. McKinley and Joanne S. McKinley, Et Al | Chase Petroleum Incorporated | 1/8 | 0141/0446 |
| **Chase Petroleum Incorporated** | **Antero Resources Corporation** | **Assignment** | **0362/0529** |
| **92: Russell Wilson, Et Al Lease** | | | |
| Russell Wilson, Et Al | Alton Skinner | 1/8 | 0137/0698 |
| Alton Skinner | Alton Skinner II, Et Al | Will | 0216/0391 |
| Alton Skinner II, Et Al | Crystal G. Skinner and Desari S. Garrett | Assignment | 0245/0010 |
| Crystal G. Skinner and Desari S. Garrett | DC Petroleum, Inc. | Assignment | 0218/0250 |
| **DC Petroleum, Inc.** | **Antero Resources Corporation** | **Assignment** | **0362/0529** |
| **93: John Goff and Hilda M. Goff Lease** | | | |
| John Goff and Hilda M. Goff | Kanawha Drilling Company Incorporated | 1/8 | 0153/0276 |
| Kanawha Drilling Company Incorporated | Waco Oil and Gas Company Incorporated | Assignment | 0206/0042 |
| Waco Oil and Gas Company Incorporated | Ashland Incorporated | Assignment | 0221/0001 |
| Ashland Incorporated | Ashland Exploration Incorporated | Name Change | 0222/0169 |
| Ashland Exploration Incorporated | All State Energy Corporation | Assignment | 0222/0809 |
| **All State Energy Corporation** | **Antero Resources Corporation** | **Assignment** | **0359/0979** |
| **94: John Goff Lease** | | | |
| John Goff | Ferrell Prior | 1/8 | 0130/0170 |
| Ferrell Prior | Ken Mathews | Assignment | 0130/0231 |
| Ken Mathews | Rep-Aid Corporation | Assignment | 0139/0791 |
| Rep-Aid Corporation | Sandra Matthews | Assignment | 0366/0469 |
| **Sandra Matthews** | **Antero Resources Corporation** | **Assignment** | **0367/0129** |
| **95: S.M. Grimm and Hattie A. Grimm Lease** | | | |
| S.M. Grimm and Hattie A. Grimm | M.G. Taylor | 1/8 | 0031/0498 |
| M.G. Taylor | Carnegie Natural Gas Company | Assignment | WVSOS |
| Carnegie Natural Gas Company | Carnegie Production Company | Assignment | 0228/0859 |
| Carnegie Production Company | Equitable Production-Eastern States, Inc. | Merger | WVSOS |
| Equitable Production-Eastern States, Inc. | EQT Production Company | Assignment | 0232/0128 |
| **EQT Production Company** | **Antero Resources Corporation** | **Assignment** | **0358/0729** |

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|---|---|---|---|
| **97A: W.F. Cox, Et Ux Lease** | | | |
| W.F. Cox, Et Ux | Carnegie Natural Gas Company | 1/8 | 0031/0442 |
| Carnegie Natural Gas Company | D.A. Dorward | Assignment | 0113/0249 |
| D.A. Dorward | Dorva Corporation | Assignment | 0113/0252 |
| Dorva Corporation | Dorward Energy Corporation | Assignment | 0284/0686 |
| Dorward Energy Corporation | DEC Lease Management Inc. | Assignment | 0284/0719 |
| **DEC Lease Management Inc.** | **Antero Resources Corporation** | **Assignment** | **0365/0574** |

***Partial Assignments to Antero Resources Corporation include 100% rights to extract, produce and market the oil and gas from the Marcellus and any other formations completed with this well.**

**Cotenancy Utilization* - Antero is utilizing the Co-tenancy Modernization and Majority Protection Act to proceed with development of certain royalty owners' interests in this tract.

***Pooling/Unitization* – Antero has filed a horizontal well unitization application with the West Virginia Oil and Gas Conservation Commission that seeks to pool certain owners in this tract

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|---|---|---|---|---|
| 98: W.F. Cox, Et Ux Lease | | | | |
| | W.F. Cox, Et Ux | M.G. Taylor | 1/8 | 0031/0441 |
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| | Carnegie Natural Gas Company | Carnegie Production Company | Assignment | 0228/0859 |
| | Carnegie Production Company | Equitable Production-Eastern States, Inc. | Merger | WVSOS |
| | Equitable Production-Eastern States, Inc. | EQT Production Company | Assignment | 0232/0128 |
| | **EQT Production Company** | **Antero Resources Corporation** | **Assignment** | **0358/0729** |

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### Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Antero Resources Corporation
By: Max Green
Its: Vice President of Land



04/10/2026