

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

Monday, August 22, 2022 PERMIT MODIFICATION APPROVAL Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit Modification Approval for LENNY UNIT 2H 47-103-03495-00-00

Lateral Extension

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.

James A. M Chief

Operator's Well Number: Farm Name: JAMES A SELL U.S. WELL NUMBER: 47-103-03495-00-00 Horizontal 6A New Drill Date Modification Issued: 08/22/2022

Promoting a healthy environment.

ck# 4012204 + 2,500

API NO. 47- 103 - 03495 OPERATOR WELL NO. Lenny Unit 2H MOD Well Pad Name: Furbee Pad

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

| 1) Well Operator: Antero Resou | Irces Corporat 494507062 013-Wetzel | Green Pine Grove 7.5' |
|---|--|--------------------------|
| | | District Quadrangle |
| 2) Operator's Well Number: Lenn | ny Unit 2H MOD 🧹 Well Pad Name: Furbee | e Pad |
| 3) Farm Name/Surface Owner: Ja | ames Allen Sell Public Road Access: Furbe | ee Ridge Road |
| 4) Elevation, current ground: 12 | 240' Elevation, proposed post-construction | n: ~1212' |
| 5) Well Type (a) Gas X Other | Oil Underground Storage | |
| (b)If Gas Shalle | ow X Deep | |
| Horiz | ontal X | |
| 6) Existing Pad: Yes or No No | <i>(</i> | |
| 이 같이 가지 않는 것이 같이 많이 많이 많이 많이 많이 많이 많이 있다. 것이 많이 | Depth(s), Anticipated Thickness and Expected Pre icipated Thickness- 55 feet, Associated Pressure- 28 | |
| 8) Proposed Total Vertical Depth: | 7600' TVD | |
| 9) Formation at Total Vertical Dep | | |
| 10) Proposed Total Measured Dep | oth: 24400' MD 1 | UFCEIVED, CRO |
| 11) Proposed Horizontal Leg Leng | gth: 15169.1' | Officer of OTENDO |
| 12) Approximate Fresh Water Stra | ata Depths: 575' | AUG I I LOLD |
| 13) Method to Determine Fresh W | ater Depths: 47103308970000 | environmental Protection |
| 14) Approximate Saltwater Depths | s: 2284' | |
| 15) Approximate Coal Seam Dept | hs: 973' | |
| | e Void (coal mine, karst, other): None Anticipate | ed |
| 17) Does Proposed well location c directly overlying or adjacent to an | | x |
| (a) If Yes, provide Mine Info: | Name: | |
| | Depth: | |
| | Seam: | |
| | Owner: | |

WW-6B (04/15)

API NO. 47-<u>103</u>-<u>03495</u> OPERATOR WELL NO. <u>Lenny Unit 2H MOD</u> Well Pad Name: <u>Furbee Pad</u>

WW-6B (04/15)

18)

CASING AND TUBING PROGRAM

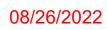
| ТҮРЕ | <u>Size</u> (in) | <u>New</u> or <u>Used</u> | <u>Grade</u> | <u>Weight per ft.</u> (lb/ft) | <u>FOOTAGE: For</u> <u>Drilling (ft)</u> | INTERVALS: Left in Well (ft) | <u>CEMENT:</u> <u>Fill-up</u> (Cu. Ft.)/CTS |
|--------------|---------------------|---------------------------------|--------------|----------------------------------|---|------------------------------------|---|
| Conductor | 20" | New | H-40 | 79# | 80 | 80 | CTS, 77 Cu. Ft. |
| Fresh Water | 13-3/8" | New | J/K-55 | 54.5# | 625 | 625 | CTS, 651 Cu. Ft. |
| Coal | 9-5/8" | New | J/K-55 | 36# | 2500 | 2500 | CTS, 1018 Cu. Ft. |
| Intermediate | | | | | | | |
| Production | 5-1/2" | New | P-110CY | 20# | 24400 | 24400 | CTS, 5231 Cu. Ft. |
| Tubing | 2-3/8" | New | N-80 | 4.7# | | | |
| Liners | | | | | | | |

Minut 2. Saymilak 8-19-22

| ТҮРЕ | Size (in) | <u>Wellbore</u> <u>Diameter (in)</u> | <u>Wall</u> <u>Thickness</u> (in) | <u>Burst Pressure</u> (psi) | Anticipated Max. Internal Pressure (psi) | <u>Cement</u> <u>Type</u> | <u>Cement</u> <u>Yield</u> (cu. ft./k) |
|--------------|-----------|---|---|--------------------------------|--|------------------------------|--|
| Conductor | 20" | 24" | 0.375" | 2250 | 50 | Class A | ~1.18 |
| Fresh Water | 13-3/8" | 17-1/2" | 0.38" | 2730 | 1000 | Class A | ~1.18 |
| Coal | 9-5/8" | 12-1/4" | 0.352" | 3520 | 1500 | Class A | ~1.18 |
| Intermediate | | | | | , | | ,, |
| Production | 5-1/2" | 8-3/4" & 8-1/2" | 0.415" | 14,360 | 2500 | Class G/H | ~1.18 |
| Tubing | 2-3/8" | 4.778" | 0.19" | 11,200 | | | |
| Liners | | | | | | | |

PACKERS

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



WW-6B (10/14) API NO. 47- 103 - 03495 OPERATOR WELL NO. Lenny Unit 2H MOD Well Pad Name: Furbee Pad

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

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

*Antero will be air drilling the fresh water string which makes it difficult to determine when fresh water is encountered. Therefore, we have built in a buffer for the casing setting depth which helps to ensure that all fresh water zones are covered.

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): 30.09 acres

22) Area to be disturbed for well pad only, less access road (acres): 13.86 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.

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AUG 1 1 2022

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

Conductor: no additives, Class A cement.

Environmenter Profactio

Surface: Class A cement with 2-3% calcium chloride and 1/4 lb of flake Intermediate: Class A 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

25) Proposed borehole conditioning procedures:

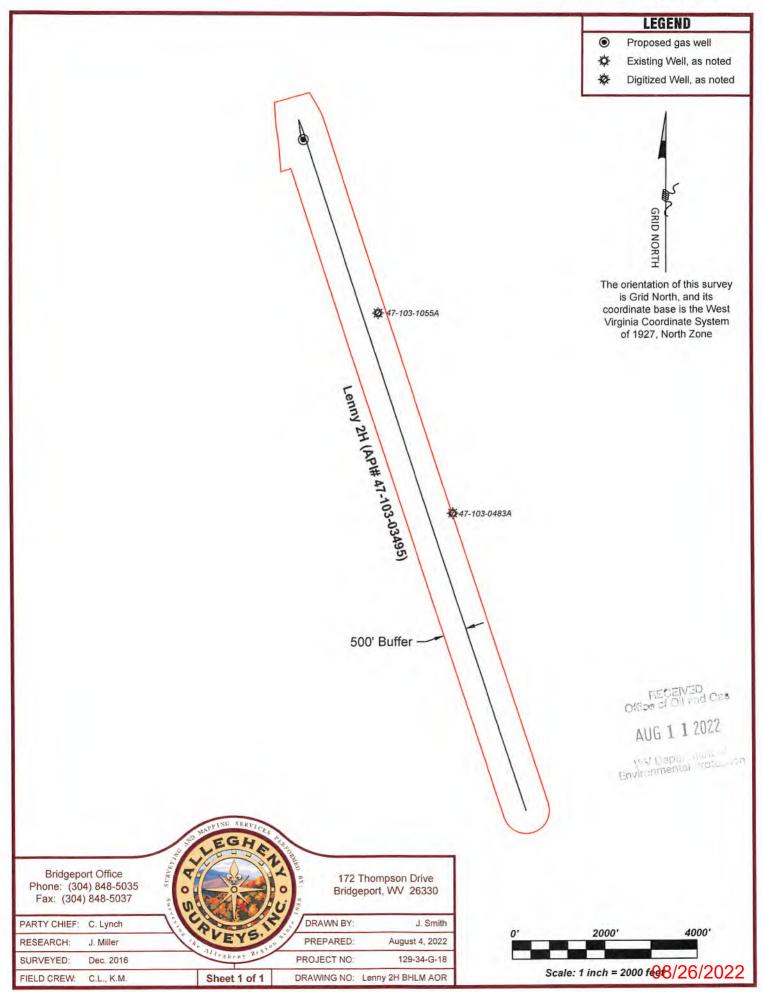
Conductor: blowhole clean with air, run casing, 10 bbls fresh water.

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.



| UWI (APINum) | Well Name | Well Number | Operator | Historical Operator | TD | Perforated Interval (shallowest, deepest) | Perforated Formation(s) | Producible Formation(s) not perf'd |
|----------------|---------------|-------------|------------------|---------------------|-------|---|-------------------------|------------------------------------|
| 47103310950000 | F S SNODGRASS | 6 | SOUTH PENN OIL | SOUTH PENN OIL | 2,443 | 化二乙酸盐 网络马斯马斯马斯马斯马斯 | | Weir, Benson, Alexander |
| 47103304830000 | MARY MARTIN | 5439 | HOPE NATURAL GAS | HOPE NATURAL GAS | 2,711 | | Big Injun, Gördon | Weir, Benson, Alexander |

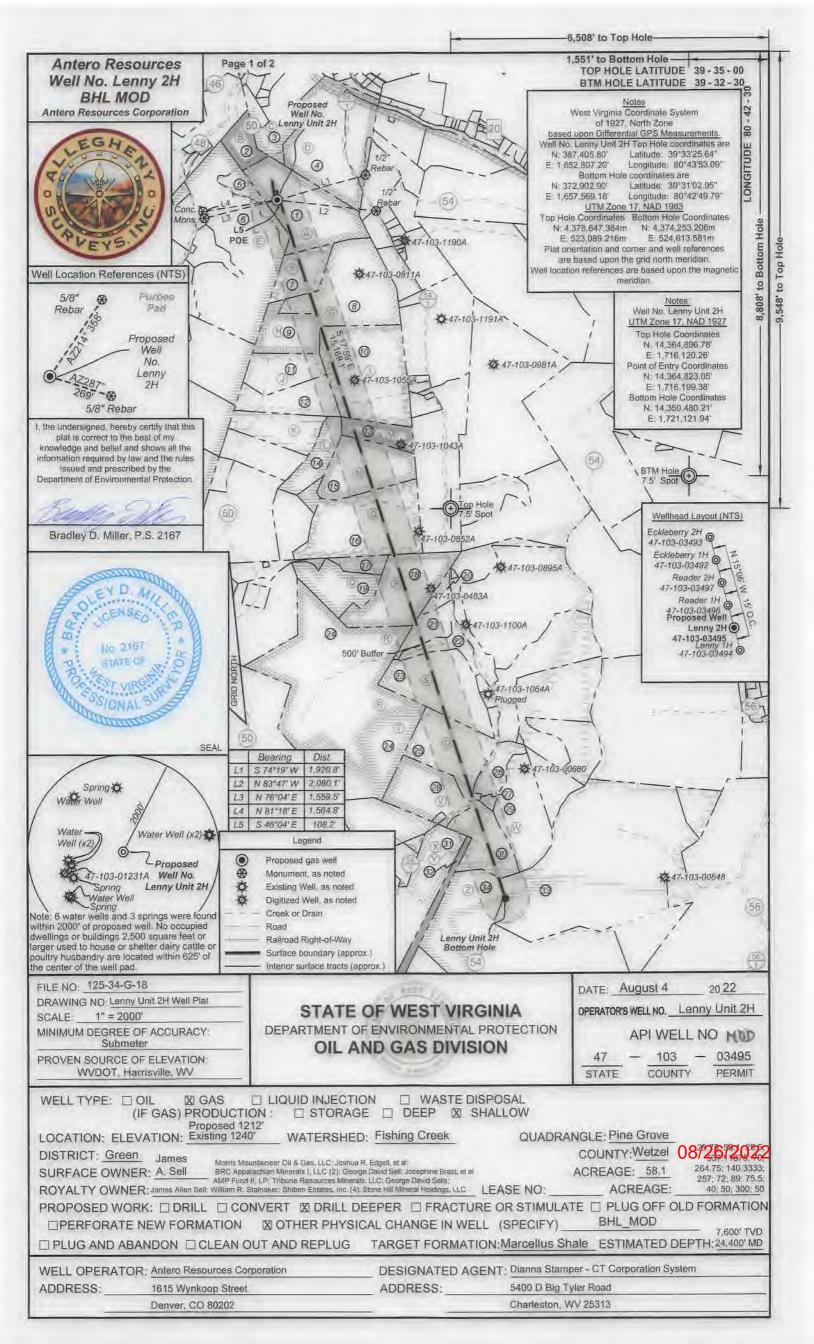


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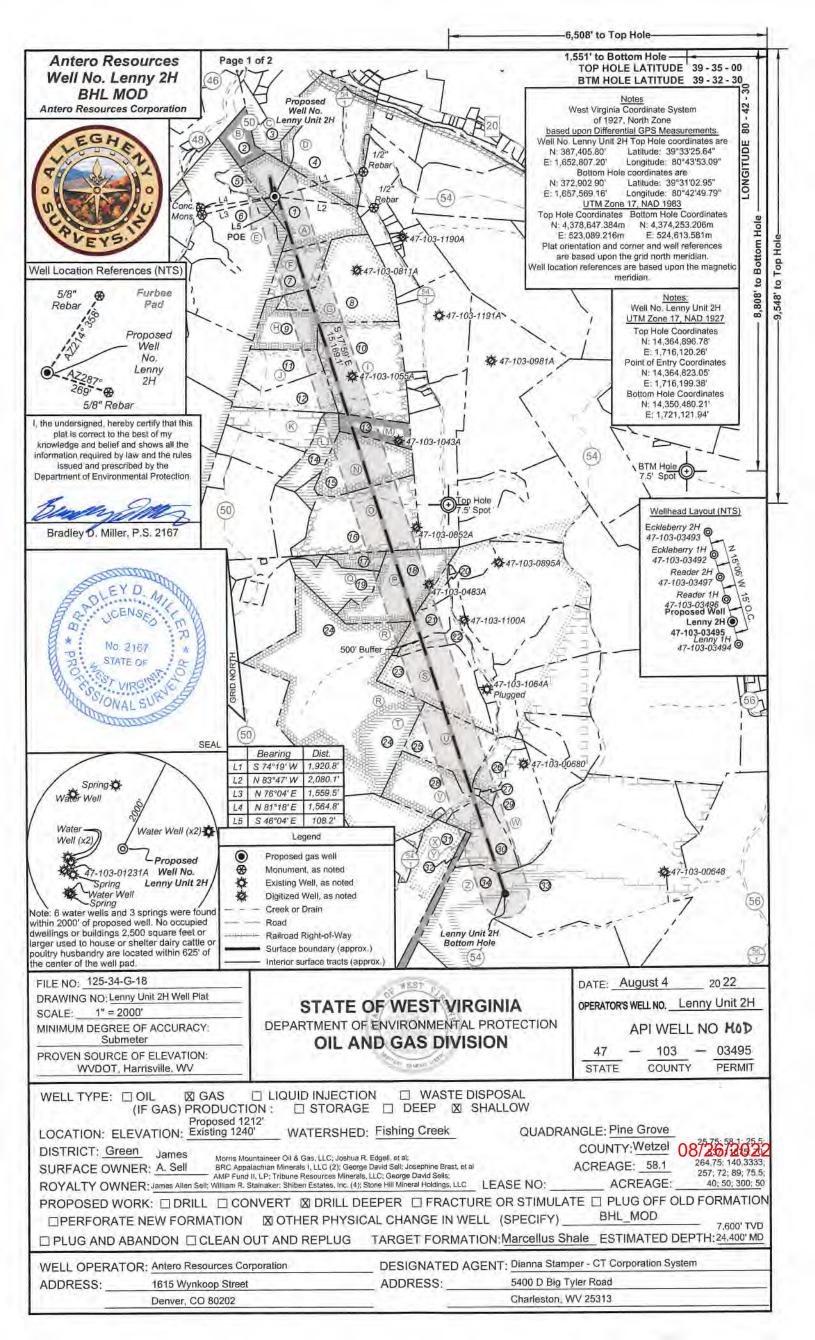
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| Nola Parks Nola Parks & Jonathan Sivert artland Forest Land Fund VII, LP Debra Lynn Brown George David Sell ymond Furbee, Sr. & Olive Gay Brow ymond Furbee, Sr. & Olive Gay Brow Debbie Brown, et al Ola J. Parks & Gloria C. Higgins Debbie Brown, et al Albert E. & Betty Jean Clutter Bobbi Jean Bassett Randy D. & Dori R. Ice Dailison Lumber Inc. Marsha C. Hamrick, et al Coastal Forest Resources Co. Teresa Bassett Christopher N. Kise Coastal Forest Resources Co. David Edward Arthurs, et al tibia Gas Transmission Corporation Coastal Forest Resources Co. | 411/765 79.00 C 370/148 25.50 D 370/148 70.00 E 417/40 25.75 F 431/936 75.50 G 417/35 26.50 H 417/36 20.00 J 332/480 20.00 K 333/638 60.00 M /n 333/638 60.00 /n 333/638 60.00 /n 333/638 60.00 /n 333/638 11.70 A 96/679 45.00 O A 4100/689 25.50 P BR 432/506 11.54 440/39 53.33 T 440/39 53.33 T 440/243 208.00 U 363/279 44.46 V 402/506 16.44 W | Leases James Allen Sell George Neason Myers, et ux Antero Minerals, LLC Marilyn Halley Seeley William R. Stalnaker Shiben Estates, Inc. Shiben Estates, Inc. Shiben Estates, Inc. Chapalachian Minerals I, LLC Ridgetop Capital IV, LP Debra L. Brown Lydia Sims AMP Fund II, LP George David Sells Shiben Estates, Inc. C Appalachian Minerals I, LLC Barbara Barker, et vir faco Oil & Gas Company Inc. Joan B. Hoge Trust Joshua R. Edgell, et al ris Mountaineer Oil & Gas LLC Josephine Brast, et al C Appalachian Minerals I, LLC Antero Minerals, LLC Shiben Estates, Inc. |
|---|---|--|
| AS LIQUID INJECT DUCTION : STORA DUCTION : STORA DUCTION : STORA DUCTION : STORA DUCTION : STORA DUCTION : STORA MORTIS MOUNTAINER OF COLORS BRC Appalachian Minerals I, LLC (2): Ge BRC Appalachian Minerals I, LLC (2): Ge BRC Appalachian Minerals I, LLC (2): Ge BRC Appalachian Minerals I, LLC (2): Ge CONVERT SHIDE Estates, Inc. (CONVERT DI DRILL I TION OTHER PHYS | OF ENVIRONMENTAL PROTECTION AND GAS DIVISION TON UNASTE DISPOSAL GE DEEP S SHALLOW ED: Fishing Creek QUADRA ua R. Edgell, et al: orge David Sell: Josephine Brast, et al rate, LLC: George David Sells; 4): Stone Hill Mineral Holdings, LLC LEASE NO: DEEPER FRACTURE OR STIMULA SICAL CHANGE IN WELL (SPECIFY) | BHL_MOD 7,600' TVD |
| | James Allen Sell Donald L. Mason Doris Ruth Haught, et al Charles R. & Kay L. Blair James Allen Sell Ross Bucher James Allen Sell James & Andrea Sell artland Forest Land Fund VII, LP Nola Parks Nola Parks & Jonathan Sivert artland Forest Land Fund VII, LP Debra Lynn Brown George David Sell ymond Furbee, Sr. & Olive Gay Brow ymond Furbee, Sr. & Olive Gay Brow Debbie Brown, et al Dla J. Parks & Gloria C. Higgins Debbi Brown, et al Albert E. & Betty Jean Clutter Bobbi Jean Bassett Randy D. & Dori R. Ice Dallison Lumber Inc. Marsha C. Hamrick, et al Coastal Forest Resources Co. Taresa Bassett Christopher N. Kise Coastal Forest Resources Co. David Edward Arthurs, et al bia Gas Transmission Corporation Coastal Forest Resources Co. Douisa Bassett & Irvin Bassett Morris Mountaineer Oil & Gas, LLC; Josh BRC Appalachian Mineris N, LLC (2): Ge Wilfum R, Stalper K, Kise Coastal Forest Resources Co. Douisa Bassett & Irvin Bassett | James Allen Salt 370/148 81.0 Dons Ruft Neugh, et al W44075 33.78 Charles R. & Kay L. Blait 337077 63.11 James Allen Selt 370148 15.55 Ross Bucher 4117765 79.00 James Allen Selt 370148 70.00 James Allen Selt 370148 70.50 James Allen Selt 370148 70.00 James Allen Selt 370148 70.00 James Allen Selt 370.148 70.00 James Allen Selt 417736 25.00 Nela Parks & Storat Chiggins A100.689 25.00 Debra Currin Brown 336.483 10.00 Janes Allen Selt 42060 10.64 Arring V. & Dor R. Ice 40043 26.00 David Edward Arturs, et al 33622 44.66 Orastal Forest Resources Co. 444105 36.01 David Edward Arturs, et al 337242 44.66 </td |



| Antero Resources Well No. Lenny 2H BHL MOD Antero Resources Corporation | age 2 of 2 | | | |
|--|---|---|---|--|
| SURVEYS. | | | | |
| 4 13-71 Chi 5 17-1 - 6 17-60 - 7 17-54 - 8 17-17 - 9 17-16 J 10 17-26 Heartlan 11 17-27 Nola 13 17-48 Heartlan 14 17-34 - 15 17-47 - 16 17-35 Alfred Raymor 17 17-30 Alfred Raymor 18 20-5 - 19 20-4 Nola J. 20 20-6 - 21 20-14.3 Alfred Raymor 23 20-14.9 R 24 20-13 I 22 20-14.10 - 23 20-14.5 Ma 24 20-13 I 25 20-14.5 Ma 26 20-19 Coass 27 | Owner James Allen Sell Donald L. Mason ris Ruth Haught, et al arles R. & Kay L. Blair James Allen Sell Ross Bucher James Allen Sell d Forest Land Fund VII, LP Nola Parks Parks & Jonathan Sivert d Forest Land Fund VII, LP Debra Lynn Brown George David Sell df Furbee, Sr. & Olive Gay Brown Debbie Brown, et al Tes. & Betty Jaan Clutter Bobbi Jean Bassett andy D. & Dori R. Ice Dallison Lumber Inc. risha C. Hamrick, et al Gas Transmission Corporation tal Forest Resources Co. | Bk/Pg Acres 370/148 58.10 410/759 14.00 W49/615 33.78 387/577 63.11 370/148 15.35 411/765 79.00 370/148 25.50 370/148 75.50 411/765 26.50 417/35 26.50 417/35 25.00 431/936 70.00 332/480 20.00 333/638 60.00 333/638 11.70 A96/679 45.00 A100/689 25.50 A96/679 6.00 379/182 14.35 432/506 11.54 402/39 53.33 440/243 208.00 363/279 44.46 444/105 16.44 439/684 0.54 420/812 34.30 444/105 36.50 263/164 12.00 444/105 246.84 168/157 | C A D M E W F S G S H Stone I BRC A J Ri K L M S O S P BRC A Q E R Waco S Tribune T U U Moris I V Moris I X BRC A Y A | Leases James Allen Sell Je Neason Myers, et ux intero Minerals, LLC Iarilyn Halley Seeley William R. Stalnaker Shiben Estates, Inc. Hill Mineral Holdings, LLC opalachian Minerals I, LLC dgetop Capital IV, LP Debra L, Brown Lydia Sims AMP Fund II, LP George David Sells Shiben Estates, Inc. opalachian Minerals I, LLC Toria & Gas Company Inc. Resources Minerals, LLC Joan B. Hoge Trust Shuan R. Edgell, et al Mountaineer Oil & Gas LLC Shiben Estates, Inc. |
| FILE NO: <u>125-34-G-18</u> DRAWING NO: <u>Lenny Unit 2H Well Plat</u> SCALE: <u>1" = 2000'</u> MINIMUM DEGREE OF ACCURACY: Submeter PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV | DEPARTMENT O | OF WEST VIRGIN F ENVIRONMENTAL PRO ND GAS DIVISION | TECTION | DATE: <u>August 4</u> 20.22 OPERATOR'S WELL NO. <u>Lenny Unit 2H</u> API WELL NO MOD 47 – 103 – 03495 STATE COUNTY PERMIT |
| LOCATION: ELEVATION: Existing DISTRICT: Green James Mic | JCTION : STORAG ed 1212' 3 1240' WATERSHED wris Mountaineer Oil & Gas, LLC; Joshua C Appalachian Minerals I, LLC (2); Georg P Fund II, LP; Tribune Resources Mineral am R. Stalnaker; Shiben Estates, Inc. (4); CONVERT I DRILL D ON I OTHER PHYSIC | E DEEP X SHALL D: Fishing Creek R. Edgeli, et al: ge David Sell; Josephine Brast, et al is, LLC; George David Sells; Stone Hill Mineral Holdings, LLC LEA EEPER FRACTURE O CAL CHANGE IN WELL (| _OW QUADRAN SE NO: R STIMULAT SPECIFY) | NGLE: Pine Grove COUNTY:Wetzel 08/26/20/2 ACREAGE: 58.1 264.75; 140.33; ACREAGE: 58.1 257; 72; 89; 75 ACREAGE: 40; 50; 300; 40; 50; 300; TE PLUG OFF OLD FORMATIC BHL_MOD 7,600' TV aleESTIMATED DEPTH: 24,400' M |
| WELL OPERATOR: Antero Resource | | DESIGNATED AGENT | : Dianna Stamp | er - CT Corporation System |

WW-6A1 (5/13)

Operator's Well No. Lenny Unit 2H MOD

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that -

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

| Lease Name or Number Z: Shiben Estates, Inc. Lease | Grantor, Lessor, etc. | Grantee, Lessee, etc. | Royalty | Book/Page |
|--|-----------------------|------------------------------|---------|-----------|
| <u>Z. Smoen Estates, inc. Lease</u> | Shiben Estates, Inc | Antero Resources Corporation | 1/8+ | 198A/0540 |

*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.

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

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: | Tim Rady (m / lech | | | | |
| Its: | Senior VP of Land | | | | |

Page 1 of 1

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- WV Department of Environmental Protection

Operator's Well Number Lenny Unit 2H MOD

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| Grantor, lessor, etc. | Grantee, lessee, etc. | Royalty | Book/Page |
|---|----------------------------------|--|------------|
| A: James Allen Sell Lease | | | |
| James Allen Sell | Antero Resources Corporation | 1/8+ | 258A/0467 |
| | | | |
| E: William R. Stalnaker Lease William R. Stalnaker | Antero Resources Corporation | 1/8+ | 179A/0069 |
| At James Allen Sell Lease | | | |
| A: James Allen Sell Lease James Allen Sell | Antero Resources Corporation | 1/8+ | 258A/0467 |
| F: Shiben Estates, Inc. Lease | | | |
| Shiben Estates, Inc. | Antero Resources Corporation | 1/8+ | 265A/0247 |
| <u>G: Shiben Estates, Inc. Lease</u> | | | |
| Shiben Estates, Inc. | Antero Resources Corporation | 1/8+ | 202A/0230 |
| H: Stone Hill Mineral Holdings, LLC Lease | | | |
| Stone Hill Minerals Holdings, LLC | Antero Resources Corporation | 1/8+ | 259A/0769 |
| G: Shiben Estates, Inc. Lease | | - | |
| Shiben Estates, Inc. | Antero Resources Corporation | 1/8+ 1/8+ 1/8+ 1/8+ 1/8+ 1/8+ 1/8+ Assignment | 202A/0230 |
| I: BRC Appalachian Minerals I, LLC Lease | | 1 2022 1 2022 1 2022 1/8+ | |
| BRC Appalachian Minerals I, LLC | BRC Working Interest Company LLC | 1/8+ | 102A/0505 |
| BRC Working Interest Company LLC | Chesapeake Appalachia LLC | Assignment | 103A/0470 |
| Chesapeake Appalachia LLC | SWN Production Company | Assignment Assignment | 157A/0540 |
| SWN Production Company | Antero Exchange Properties, LLC | Assignment | 177A/0533 |
| Antero Exchange Properties, LLC | Antero Resources Corporation | Merger | 0013/0311 |
| M: AMP Fund II, LP Lease | | | |
| AMP Fund II, LP | Antero Resources Corporation | 1/8+ | 255A/0685 |
| N: George David Sell Lease | | | |
| George David Sell, a married man dealing in his sole and separate property | Antero Resources Corporation | 1/8+ | 176A/0463 |
| O: Shiben Estates, Inc. Lease | | | |
| Shiben Estates, Inc. | Antero Resources Corporation | 1/8+ | 265A/0267 |
| P: BRC Appalachian Minerals I, LLC Lease | | | |
| BRC Appalachian Minerals I, LLC | BRC Working Interest Company LLC | 1/8+ | 102A/0505 |
| BRC Working Interest Company LLC | Chesapeake Appalachia LLC | Assignment | 103A/0470 |
| Chesapeake Appalachia LLC | SWN Production Company | Assignment | 157A/0540 |
| SWN Production Company | Antero Exchange Properties, LLC | Assignment | 177A/0533 |
| Antero Exchange Properties, LLC | Antero Resources Corporation | Merger | 08/20/2022 |

Energy-Marcellus LLC

Operator's Well Number Lenny Unit 2H MOD

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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| Grantor, lessor, etc. | Grantee, lessee, etc. | Royalty | Book/Page |
|---|---|-------------|-----------|
| | | | |
| S: Tribune Resources Minerals, LLC Lease Tribune Resources Minerals, LLC | Tribune Resources, LLC | 1/8+ | 218A/0803 |
| ······ · · · · · · · · · · · · · · · · | Antero Resources Corporation | Assignment | 219A/0322 |
| Tribune Resources, LLC | Antero Resources corporation | Assignment | |
| / U: Joshua R. Edgell, et al Lease | | | |
| <u>O: Joshua R. Edgell, DSSP and Robin F. Moore</u> | Antero Resources Corporation | 1/8+ | 191A/0370 |
| Joshua K. Lugen, Door and Kobin T. Moore | Antero Resources corporation | _, _ | |
| V: Morris Mountaineer Oil & Gas LLC Lease | | | |
| Morris Mountaineer Oil & Gas LLC | Antero Resources Corporation | 1/8+ | 257A/0400 |
| | · | | |
| ✓ W: Josephine Brast, et al Lease | | | |
| Josephine Brast, et al | South Penn Oil Company | 1/8 | 0049/0059 |
| South Penn Oil Company | Hope Natural Gas Company | Assignment | 0 9A/0230 |
| Hope Natural Gas Company | Consolidated Gas Supply Corporation | Assignment | 0233/0387 |
| Consolidated Gas Supply Corporation | Consolidated Gas Transmission Corporation | Assignment | 066A/0069 |
| Consolidated Gas Transmission Corporation | CNG Transmission Corporation | Name Change | 0013/0151 |
| CNG Transmission Corporation | Eastern States Oil & Gas Inc | Assignment | 076A/0232 |
| Eastern States Oil & Gas Inc | Equitable Production-Eastern States Inc | Name Change | 0013/0014 |
| Equitable Production-Eastern States Inc | Equitable Production Company | Merger | 0013/0014 |
| Equitable Production Company | EQT Production Company | Name Change | 0013/0014 |
| EQT Production Company | Tribune Resources successor in interest of Ascent | Assignment | 179A/0653 |
| | Resources-Marcellus LLC fka American Energy- Marcellus LLC | | |
| Tribune Resources successor in interest of | Antero Resources Corporation | Assignment | 219A/0322 |
| Ascent Resources-Marcellus LLC fka American | • | - | |

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Stansberry, Wade A <wade.a.stansberry@wv.gov>

Modification Horizontal H6A Well Work Permits API: (47-103-03492, 03494, 03495, 03496, & 03497) ^{1 message}

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Tue, Aug 23, 2022 at 5:53 PM

To: Mallory Stanton <mstanton@anteroresources.com>, Diane Blair <dblair@anteroresources.com>, Dani DeVito <ddevito@shalepro.com>, Scott Lemley <slemley@wvassessor.com>, "Greynolds, Kenneth L" <kenneth.l.greynolds@wv.gov>

I have attached a copy of the newly issued well permit numbers:

47-103-03492 - ECKLEBERRY UNIT 1H 47-103-03494 - LENNY UNIT 1H 47-103-03495 - LENNY UNIT 2H 47-103-03496 - READER 1H 47-103-03497 - READER 2H

These will serve as your copy.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE

Charleston, WV 25304

(304) 926-0499 ext. 41115

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5 attachments

- 47-103-03492 mod.pdf 1310K
- ₱ 47-103-03494 mod.pdf 1287K
- 47-103-03495 mod.pdf 1225K
- 47-103-03496 mod.pdf 1243K
- 47-103-03497 -mod.pdf 1185K