

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, April 7, 2025 WELL WORK PERMIT Horizontal 6A / New Drill

EQT PRODUCTION COMPANY 400 WOODCLIFF DR.

CANONSBURG, PA 15317

Re: Permit approval for BIG 177 102H 47-103-03724-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0450.

mes A. Martin Chief

04/11/2025

Operator's Well Number: BIG 177 102H Farm Name: COASTAL FOREST RESOUCE U.S. WELL NUMBER: 47-103-03724-00-00 Horizontal 6A New Drill Date Issued: 4/7/2025

Promoting a healthy environment.

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

CONDITIONS

- 1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Also, 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- 8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
- 11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

Well Pad Name: BIG177

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

| 1) Well Operator: EQT Product | ion Company | 306686 | Wetzel | Grant | Big Run | | | |
|---|------------------------------------|--------------------|-----------------|-------------|------------|--|--|--|
| | | Operator ID | County | District | Quadrangle | | | |
| 2) Operator's Well Number: 1021 | 1 | Well Pa | d Name: BIG1 | 77 | | | | |
| 3) Farm Name/Surface Owner: <u>Cc</u> | oastal Forest Resourc | ces Co. Public Roa | ad Access: Rt | 19 | | | | |
| 4) Elevation, current ground: <u>8</u> | 11' Ele | evation, proposed | post-constructi | on: 811' | | | | |
| 5) Well Type (a) Gas X | Oil | Und | erground Stora | ge | | | | |
| Other | | | | | | | | |
| (b)If Gas Shalle | ow X | Deep | | | | | | |
| Horiz | ontal X | | | | | | | |
| 6) Existing Pad: Yes or No Yes | | | _ | | | | | |
| 7) Proposed Target Formation(s), 2 Marcellus, 6,849', 51', 2,620 PSI | Depth(s), Antici | ipated Thickness a | and Expected P | ressure(s): | | | | |
| 8) Proposed Total Vertical Depth: | 6,343' | | | | | | | |
| 9) Formation at Total Vertical Dep | oth: Marcellus | | | | | | | |
| 10) Proposed Total Measured Dep | th: 7,450' | | | | | | | |
| 11) Proposed Horizontal Leg Leng | _{gth:} vertical | | | | | | | |
| 12) Approximate Fresh Water Stra | ta Depths: | 147', 173', 283', | , 483', 633' | | | | | |
| 13) Method to Determine Fresh W | ater Depths: C | Offset wells | | | | | | |
| 14) Approximate Saltwater Depths | s: 1,338', 1,33 | 0', 1,401', 1,453' | | | | | | |
| 15) Approximate Coal Seam Dept | hs: 103', 156', | 434', 498' | | | | | | |
| 16) Approximate Depth to Possibl | e Void (coal mi | ne, karst, other): | none anticipat | ted | | | | |
| 17) Does Proposed well location c directly overlying or adjacent to an | ontain coal sear n active mine? | ns Yes | No | , <u>X</u> | | | | |
| (a) If Yes, provide Mine Info: | Name: | | | | | | | |
|] | Depth: | | | | | | | |
| : | Seam: | | | | | | | |
| Owner: | | | | | | | | |

API NO. 47- 103 - 03724

OPERATOR WELL NO. 102H Well Pad Name: BIG177

18)

WW-6B

(04/15)

CASING AND TUBING PROGRAM

| ТҮРЕ | Size (in) | <u>New</u> <u>or</u> <u>Used</u> | Grade | <u>Weight per ft.</u> (lb/ft) | FOOTAGE: For Drilling (ft) | INTERVALS: Left in Well (ft) | CEMENT: <u>Fill-up</u> (Cu. Ft.)/CTS |
|--------------|--------------|--|-------|----------------------------------|-------------------------------|------------------------------------|--|
| Conductor | 26 | New | A252 | 85.6 | 53 | 53 | 45 ft^3 / CTS |
| Fresh Water | 13 3/8 | New | J-55 | 54.5 | 768 | 768 | 725 ft^3 / CTS |
| Coal | | | | | | | |
| Intermediate | 9 5/8 | New | J-55 | 36 | 2011 | 2011 | 750ft^3 / CTS |
| Production | 5 1/2 | New | P-110 | 20 | 7450 | 7450 | 500' above intermediate casing |
| Tubing | | | | | | | |
| Liners | | | | | | | |

| ТҮРЕ | Size (in) | <u>Wellbore</u> Diameter (in) | <u>Wall</u> <u>Thickness</u> <u>(in)</u> | Burst Pressure (psi) | <u>Anticipated</u> <u>Max. Internal</u> <u>Pressure (psi)</u> | <u>Cement</u> <u>Type</u> | <u>Cement</u> <u>Yield</u> (cu. ft./k) |
|--------------|-----------|----------------------------------|--|-------------------------|---|------------------------------|--|
| Conductor | 26 | 30 | 0.312 | 1000 | 18 | Class A/L | 1.04 - 1.20 |
| Fresh Water | 13 3/8 | 17 1/2 | 0.380 | 2730 | 2184 | Class A/L | 1.04 - 1.20 |
| Coal | | | | | | | |
| Intermediate | 9 5/8 | 12 3/8 - 12 1/4 | 0.352 | 3520 | 2816 | Class A/H/L | 1.04 - 1.20 |
| Production | 5 1/2 | 8 3/4 - 8 1/2 | 0.361 | 14360 | 11488 | Class A/H/L | 1.04 - 2.10 |
| Tubing | | | | | | | |
| Liners | | | | | | | |

PACKERS

| Kind: | | |
|-------------|--|--|
| Sizes: | | |
| Depths Set: | | |



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

Drill and complete a new horizontal well in the Marcellus Formation. Drill the vertical, kick off and drill curve. Drill the lateral in the Marcellus. Cement casing.

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

Hydraulic fracturing is completed in accordance with state regulations using water recycled from previously fractured wells and obtained from freshwater sources. This water is mixed with sand and a small percentage (less than 0.1%) of chemicals (including 15% Hydrochloric acid, friction reducer, biocide, and scale inhibitor), referred to in the industry as a "slickwater" completion. Maximum anticipated internal casing pressure is expected to be approximately 10,000 psi, maximum anticipated treating rates are expected to average approximately 100 bpm. Stage lengths vary from 150 to 300 feet. Average approximately 350,000 gallons of water per stage. Sand sizes vary from 100 mesh to 20/40 mesh. Average approximately 200,000-600,000 pounds of proppant per stage.

| 21) | Total Area to be disturbed | , including roads, stockpile area, | pits, etc., (acres): | NA - site built |
|-----|----------------------------|------------------------------------|----------------------|-----------------|
|-----|----------------------------|------------------------------------|----------------------|-----------------|

22) Area to be disturbed for well pad only, less access road (acres): NA - site built

23) Describe centralizer placement for each casing string:

• Surface: Bow spring centralizers - One centralizer at the shoe and one spaced every 500'.

• Intermediate: Bow spring centralizers- One centralizer at the shoe and one spaced every 500'.

• Production: One solid body centralizer spaced every other joint from production casing shoe to landing point. One solid body centralizer spaced every joint from landing point to planned top of cement.

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

Conductor: Class A no additives Surface: Calcium Chloride. Used to speed the setting of cement slurries Intermediate: Calcium Chloride. Used to speed the setting of cement slurries. If applicable: Gas Migration Control Additive, Cement Retarder Production: Calcium Carbonate, Fluid Loss, Extender, Dispersent, Viscosifier, Defoamer, POZ, Bonding Agent, Retarder, Anti-Settling/Suspension Agent

25) Proposed borehole conditioning procedures:

Surface: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface.

Intermediate: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface.

Production: Perform a cleanup cycle by pumping 3-8 bottoms up or until the shakers are clean. Check volume of cuttings coming across the shakers every 15 minutes.

O4/13/2925Digitally signed by
Stephen MccoyDate: 2025.04.03 09:51:56Mccoy-04'00'



| | | WEST VIRGINIA GEOLOGICAL PROGNOSIS | |
|----------------------|------------------|------------------------------------|--|
| | | BIG177 North South | |
| | | BIG1// Notul South | |
| Drilling Objectives: | Marcellus | S-000220 | |
| County: | Wetzel | | |
| Elevation: | 824 KB | 811 GL | |
| Recommended Azimuth | 337 Degrees | | |
| | | | |
| Coal Requirements: | To be determined | | |
| | | | |

Proposed Logging Suite: Geo reviewed - pilot hole log not recommended

| ESTIMATED FORMATION TOP | S Derived From : | 4710303151 | | 0 | | |
|-------------------------|------------------|------------|---------------------|--|--------|-------------------------|
| Formation | Top (TVD) | Base (TVD) | Lithology | Comments | 7 | |
| Fresh Water Zone | 1 | 633 | | FW @ 147,173,283,483,633, | | |
| Waynesburg A Coal | 103 | 106 Co | bal | | Top RR | Base RR |
| Waynesburg Coal | 156 | 160 Co | bal | | 14 | 22 |
| Sewickley Coal | 434 | 438 Co | bal | | 195 | 208 |
| Pittsburgh Coal | 498 | 504 Co | bal | | 266 | 279 |
| Maxton | 1632 | 1673 Sa | indstone | SW @ 1138,1330,1401,1453, , , | 396 | 401 |
| Big Lime | 1702 | 1788 Li | mestone | | 585 | 598 |
| Burgoon | 1789 | 1851 Sa | indstone | | 677 | 748 |
| Storage Zone | 1781 | 1825 | | Within active Protective Buffer of Mobley Storage Pool - Keener Sand | 718 | 738 |
| Big Injun | 1851 | 1961 Sa | indstone | | 792 | 877 |
| Int. csg pt | 2011 | | | | 1616 | 1654 |
| Berea | 2097 | 2186 Sa | indstone | | 2428 | 2438 |
| Gantz | 2251 | 2416 Sa | indstone | | 2537 | 2549 |
| 50F | 2416 | 2429 Sil | lty Sand | | | Base of Red Rock |
| Gordon | 2528 | 2571 Sa | indstone | | | |
| Fourth Sand | 2573 | 2621 Si | lty Sand | | | |
| Bayard | 2621 | 2704 Sil | lty Sand | Base of Offset Well Perforations at 1876' TVD | | |
| Speechley | 3254 | 3481 Sa | indstone | | | |
| Benson | 4861 | 4892 Si | lty Sand | | | |
| Alexander | 5190 | 5251 Si | lty Sand | | | |
| Elks | 5651 | 6402 Gi | ray Shales and Silt | S | | |
| Sonyea | 6402 | 6560 Gi | ray shale | | | |
| Middlesex | 6560 | 6603 Sh | nale | | | |
| Genesee | 6603 | 6693 Gi | ray shale interbedd | led with black shale | | |
| Geneseo | 6693 | 6716 Bl | ack Shale | | | |
| Tully | 6716 | 6738 Li | mestone | | | |
| Hamilton | 6738 | 6833 Gi | ray shale with som | e calcareous shales | | |
| Marcellus | 6833 | 6884 Bl | ack Shale | | | |
| Purcell | 6840 | 6842 Li | mestone | | | |
| -Lateral Zone | 6849 | | | Start Lateral at 6849' | | |
| Cherry Valley | 6865 | 6874 Li | mestone | | | |
| Onondaga | 6884 | Li | mestone | | | |
| m (mili) | 51 6 | | | | | |

Target Thickness Max Anticipated Rock Pressure 51 feet 2620 PSI

Comments:

Intermediate casing point is recommended beneath the Big Injun to shut off any water production from the Upper Devonian sands. Intermediate casing should be cemented into the surface string, per WV regulations.

 LATERAL DRILLING TOLERANCES

 Mapview - Lateral:
 Deviate as little as possible to the left or right of the planned wellbore.

 Mapview - TD:
 DO NOT EXTEND beyond recommended wellbore to avoid leaseline.

| RECOMMENDED CAS | ING POINTS | | | Planned Depth KB | Planned Depth GL | |
|------------------|------------|---------|------------|------------------|------------------|--|
| Conductor: | CSG OD | 26" | CSG DEPTH: | 40 | 40 | FW NEEDS UPDATED WITH EQT SAMPLING PRIOR TO DRILLING |
| Fresh Water/Coal | CSG OD | 13 3/8" | CSG DEPTH: | 768 | 755 | 135' below deepest freshwater |
| Intermediate 1: | CSG OD | 9 5/8" | CSG DEPTH: | 2011 | 1998 | 50 ft below base of Big Injun |
| Production: | CSG OD | 5 1/2" | CSG DEPTH: | @ TD | @ TD | |
| | | | _ | | | |



| UWI | ABAND_DATE | CURR_OPER | ELEV_RF_CD | FIELD_NAME | FNL_CLASS | LATITUDE | LONGITUDE | OPER_NAME | SPUD_DATE | ELEVATION | TOT_DEPTH |
|-----------|---------------------|---------------|------------|--------------------|--------------------------|-----------|------------|--------------------|------------|-----------|-----------|
| 004270000 | NA | JCR Petroleum | GR | Big Run Burchfield | DEVELOPMENT WELL-METHANE | 39.583692 | -80.591755 | McKenzie P.C. | 4/23/1956 | 1153 | 925 |
| 004210000 | NA | PEMCO Gas | GR | Big Run Burchfield | Unsuccessful | 39.588116 | -80.467722 | Carnegie | 10/29/1955 | 823 | 521 |
| 003820000 | NA | PLUGGED | GR | Big Run Burchfield | DEVELOPMENT WELL-METHANE | 39.582256 | -80.594203 | Foster-McKenzie | 6/26/1952 | 936 | 658 |
| 008300000 | 1/5/2018 | Equitrans LP | GR | Big Run Burchfield | DEVELOPMENT WELL-GAS | 39.582000 | -80.586600 | Equitable Gas | 12/2/1896 | 809 | 2681 |
| 004190000 | NA | JCR Petroleum | GR | Big Run Burchfield | DEVELOPMENT WELL-METHANE | 39.580972 | -80.588706 | McKenzie P.C. | 10/3/1955 | 803 | 497 |
| 003560000 | 8/24/1959 | PLUGGED | GR | Big Run Burchfield | DEVELOPMENT WELL-METHANE | 39.578589 | -80.592933 | N/A | 7/29/1949 | 793 | 515 |
| 004070000 | 11/24/1959 | PLUGGED | GR | Big Run Burchfield | Unsuccessful | 39.576419 | -80.595087 | N/A | 10/1/1954 | 1133 | 890 |
| 001240000 | NA | Equitrans LP | GR | Big Run Burchfield | DEVELOPMENT WELL-GAS | 39.576745 | -80.585583 | Pittsburg & WV Gas | 7/26/1945 | 1196 | 3262 |
| 031170000 | Permit Never Issued | EQT Prod | | | | | | | NA | | |
| 030010000 | Permit Never Issued | EQT Prod | | | | | | | NA | | |
| 003580000 | | PLUGGED | GR | Big Run Burchfield | DEVELOPMENT WELL-METHANE | 39.580830 | -80.592160 | NA | 9/12/1949 | 921 | 635 |
| 003570000 | | PLUGGED | GR | Big Run Burchfield | DEVELOPMENT WELL-METHANE | 39.579892 | -80.594298 | NA | 8/29/1949 | 904 | 636 |



400 Woodcliff Drive | Canonsburg, PA 15317

February 18, 2025

Mr. Taylor Brewer West Virginia Department of Environmental Protection Office of Oil and Gas 601 57th Street SE Charleston, WV 25304

Re: Class L Cement Variance Request BIG177 102H Well Grant District, Wetzel County

Dear Mr. Brewer,

EQT Production Company (EQT) has been notified by our cement providers that they will no longer be providing Class A cement. As a result of this, EQT is requesting the option to utilize Class L cement, if necessary, in place of Class A cement for its cement jobs.

The variance request from Legislative Rule 35CSR8, Section 9.2.h.8, related to the use of Class L Cement, was approved by the Office of Oil and Gas on September 13, 2022. A copy of the variance is included with this request.

If you have any questions, please do not hesitate to contact me.

RECEIVED Office of Oil and Gas

MAR 5 2025

WV Department or Environmental Protection

Sincerely,

Kristen Brooks

Kristen Brooks Permitting Specialist III

Enc.

04/11/2025



west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, SE Charleston, WV 25304 Phone (304) 926-0450

Harold D. Ward, Cabinet Secretary dcp.wv.gov

BEFORE THE OFFICE OF OIL AND GAS DEPARTMENT OF ENVIRONMENTAL PROTECTION STATE OF WEST VIRGINIA

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IN THE MATTER OF A VARIANCE FROM LEGISLATIVE RULE 35CSR4 SECTION 11.5 AND LEGISLATIVE RULE 35CSR8 SECTION 9.2.h.8., RELATING TO THE CEMENTING OF OIL AND GAS WELLS

ORDER NO. 2022-14

REPORT OF THE OFFICE

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well construction.

FINDINGS OF FACT

- On July 14, 2022, Northeast Natural Energy (NNE) submitted a variance request from Legislative Rule 35CSR8 Section 9.2.h.8., for the use of API Class L cement in place of API Class A cement, relating to the construction of horizontal wells.
- 2. Laboratory analysis submitted by NNE on July 14, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
- Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR4 Section 11.5., for the use of API Class L cement in place of API Class A cement, relating to the construction of vertical wells.

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4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

ORDER

It is ordered that the Class L cement product approved and monogramed by API is approved for use in place of API Class A cement for well construction subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

RECEIVED Office of Oil and Gas

Dated this, the 13th day of September, 2022.

MAR 5 2025

IN THE NAME OF THE STATE OF WEST VIRGINIA

WV Department of Environmental Protection

04/11/2025

OFFICE OF OIL AND GAS DEPARTMENT OF ENVIRONMENTAL PROTECTION OF THE STATE OF WEST VIRGINIA

James Martin, Chief Office of Oil and Gas



04/11/2025

4710303724

WW-9 (4/16)

| (4/16) | API Nu | umber 47 | |
|--|---|--|--|
| | STATE OF WEST VIDCIN | Operator's Well No. BIG177 102H | |
| | DEPARTMENT OF ENVIRONMENTAL OFFICE OF OIL AND G | L PROTECTION AS | |
| | FLUIDS/ CUTTINGS DISPOSAL & RECL | AMATION PLAN | |
| Operator Name EQT Production C | Company | OP Code 306686 | |
| Watershed (HUC 10) Willey Fo | rk of North Fork Fishing Creek Quadrangle | e Big Run | |
| Do you anticipate using more th Will a pit be used? Yes | an 5,000 bbls of water to complete the proposed | well work? Yes 🖌 No | |
| If so, please describe an | nticipated pit waste:N/A | | |
| Will a synthetic liner be | e used in the pit? Yes No 🗸 | If so, what ml.? | |
| Proposed Disposal Met | hod For Treated Pit Wastes: | | |
| Land Under Reuse Off Si Other | Application rground Injection (UIC Permit Number_0014, 4 (at API Number_ <u>Various</u> ite Disposal (Supply form WW-9 for disposal lo (Explain_ | 8462, 4037)) ocation) | |
| Will closed loop system be used | Yes, the closed loop system v ? If so, describe: <u>cuttings are then prepared for</u> | will remove drill cuttings from the drilling fluid. T r transportation to an off-site disposal facility. | he drill |
| Drilling medium anticipated for | this well (vertical and horizontal)? Air, freshwa | ter, oil based, etc. see attached | |
| -If oil based, what type? | Synthetic, petroleum, etcsynthetic mud | | |
| Additives to be used in drilling n | nedium?see attached | | |
| Drill cuttings disposal method? | Leave in pit, landfill, removed offsite, etc. land | fill | |
| -If left in pit and plan to | solidify what medium will be used? (cement, 1 | ime sawdust) N/A | |
| -Landfill or offsite name | e/permit number? See attached list | , | |
| Permittee shall provide written n West Virginia solid waste facility where it was properly disposed. | otice to the Office of Oil and Gas of any load of 7. The notice shall be provided within 24 hours of | drill cuttings or associated waste rejected at ar of rejection and the permittee shall also disclos | ly e |
| I certify that I understan on August 1, 2005, by the Office provisions of the permit are enfo law or regulation can lead to enfo I certify under penalty application form and all attachm obtaining the information, I beli penalties for submitting false info | d and agree to the terms and conditions of the of Oil and Gas of the West Virginia Departmen receable by law. Violations of any term or concrement action. of law that I have personally examined and a nents thereto and that, based on my inquiry eve that the information is true, accurate, and rimation, including the possibility of fine or imp | GENERAL WATER POLLUTION PERMIT i t of Environmental Protection. I understand th dition of the general permit and/or other appli m familiar with the information submitted or of those individuals immediately responsibl d complete. I am aware that there are signifi- risonment. | ssued at the cable n this e for ficant |
| Company Official Signature | Valor- | RECE | bill and Go |
| Company Official (Typed Name) | Branden Weimer | Office U. | 5 2025 |
| Company Official Title_Regional | Manager - Permitting | MAR | 9 |
| | | | notection |
| Subscribed and sworn before me t | this 18th day of <u>Februar</u> | Y, 20_25 Notary Public | imental pro- |
| My commission expires 00 | 25, 2027 | | |
| | | Commonwealth of Penns Olivia Wilson, N Allegheny My commission get pire Commission num Member, Pennsylvania As | vivania - Notary Seal otary Public County 2025, 2027 aber 1359968 association of Notaries |

WW-9 Attachment

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.

• Air is used to drill the top-hole sections of the wellbore (surface, intermediate, and pilot). Water based mud or synthetic based mud may be necessary depending on hole conditions to stabilize and drill the intermediate section. The pilot hole, curve, and lateral sections will be drilled with either air, water-based mud, or synthetic mud.

Additives to be used in drilling medium?

- Air biodegradable oil lubricant, detergent, defoaming, water.
- Water based mud Barite, viscosifer, alkalinity control, lime, filtration control, deflocculates, biodegradable oil lubricant, defoaming, walnut shell, salt, x-cide, carbonates.
- Synthetic mud synthetic base oil, emulsifier, salt, lime, viscosifer, alkalinity control, filtration control, deflocculates, biodegradable oil lubricant, defoaming, carbonates.

RECEIVED Office of Oil and Gas MAR 5 2025

antal Procession

| | Address | Addrass 2 | City | Inter in child | 1 | 1 | | | |
|---|-----------------------------|------------|----------------|--|---|--------------|--------------|---|---------------------|
| CWS Trucking Inc. | B O. Roy 201 | Address Z | City | State | Zip | Phone | County | State | Permit Number |
| | F.U. BUX 351 | | Williamstown | WV | 26187 | 740-516-3586 | Noble | OH | 3390 |
| Broad Street Energy LLC | 37 West Broad Street | Suite 1100 | Columbus | | 47745 | | | | |
| | | | Colomous | | 43215 | /40-516-5381 | Washingoth | ОН | 8462 |
| LAD Liquid Assets Disposal Inc. | 226 Rankin Road | | Washington | PA | 15301 | 724-350-2760 | Ohio | | |
| r.).d F | | | 17 | | | 121000 | | | USEPA WV 0014 |
| Inao Energy | PO Box 430 | | Reno | ОН | 45773 | 740-516-6021 | Noble | ОН | 4037 |
| | | | | | | 740-374-2940 | | | |
| Fri County Waste Water Management, Inc. | 1487 Toms Run Boad | | Uallana | | | | 1 | | |
| | | | Новгоок | | 15341 | 724-627-7178 | Greene | PA | TC-1009 |
| | | | | | | 724-499-5647 | | | |
| King Excavating Co. Advance Waste Services | 101 River Park Drive | | New Castle | PA | 16101 | | Lawrence | DA | |
| | | | | | 1 | | Cumence | | PAR000029132 |
| vaste Management - Meadowfill Landfill | Rt. 2, Box 68 Dawson Drive | | Bridgeport | wv | 16330 | 304-326-6027 | Harrison | wv | SWF-1032-98 |
| | | | | | | | | | Approval #100785WV |
| Vaste Management - Northwestern Landfill | 512 E. Dry Boad | | 0.1.1 | | | <u> </u> | | and the second se | |
| | 522 2 517 1000 | | Parkersburg | WV | 26104 | 304-428-0602 | Wood | WV | SWF-1025 WV-0109400 |
| VPEX Landfill | 11 County Road 78 | PO Box 57 | Amsterdam | OH | 43002 | 740 542 4280 | 1-16 | - | |
| | | | | | 45505 | 740-545-4589 | Jerrerson | | 06-08438 |
| dvanced Disposal - Chestnut Valley Landfill | 1184 McClellandtown Road | | McClellandtown | PA | 15458 | 724-437-7336 | Favette | ΡΔ | 100410 |
| Vortmoroland Canitany Law JEW | | | | | - | 1 | | | 100413 |
| vesunoreiand Sanitary Landhii | 901 Tyrol Boulevard | | Belle Vernon | PA | 15012 | 724-929-7694 | Westmoreland | PA | 100277 |
| ustin Master Services | 801 North 1st Strept | | | | | | | | |
| | BOT WORT ISC SCIERC | | Martins Ferry | ОН | 43935 | 740-609-3800 | Belmont | OH | 2014-541 |
| elmont Solids Control | 77505 Cadiz-New Athers Road | | Cadix | 04 | 42007 | 740 042 4720 | | | |
| | | | | | 43907 | 740-942-1739 | Harrison | OH | 2015-511 |
| iversified Resources | 3111 Braun Rd. | | Belpre | ОН | 45714 | 740-401-0413 | Washington | ОН | |
| | | | | | | | Troumbron | | |
| | | | | | | 740-610 1513 | | | 34-031-27177 |
| uckeye Brine | 23986 Airport Pood | | Coshocton | он | 43812 | 724-591-4393 | | он | 34-031-27178 |
| | 23300 Aliport Road | | | | | | Coshocton | | 34-031-27241 |
| entral Environmental Services | 28333 West Belpre Pike | | Coolville | OH | 45772 | 304 499 0701 | Athana | 011 | |
| | | | | | 43725 | 504-466-0701 | Athens | OH | |
| uverra - Nichols | 10555 Veto Road | | Belpre | ОН | 45714 | 330-232-5041 | Washington | ОН | 34-110-2-9776 |
| unorro Coff | | | | | | | Breit | | 54-115-2-0770 |
| uveria - Gon | 9350 East Pike Road | | Norwich | OH | 43767 | 330-232-5041 | Muskingum | ОН | 34-167-2-3862 |
| uverra - Wolf | 5480 State Route E | | | | | | | | |
| | price state notice 5 | | Newton Falls | ОН | 44444 | 330-232-5041 | Trumbull | ОН | 34-155-2-1893 |
| uverra - Pander | 5310 State Route 5 | | Newton Falls | Он | 44444 | 220 222 5041 | Trucebull | 0.1 | |
| | | | | | | 330-232-3041 | Iromoun | UH | 34-155-2-3795 |
| | 3549 Warner Road | | Fowler | OH | 44418 | 330-232-5041 | Trumbull | OH | 34-155-2-2402 |
| iverra - AnnaRock D-1 | | | | the state of the same division in the same state of the same state | the second se | | | | |

| 1 | | | | | | | particular and a pression of the state of the second | |
|-----------------------------------|----------------------------------|------------------|----|-------|--|------------|--|--|
| FQ Helen | 199 Bowersock Road | Reno | он | 45773 | 740-374-2940 412-443-4397 740-236-2135 | Washington | он | 24 167 2 0527 |
| | | | | | 1 | | | 34-10/-2-95// |
| FQ Dexter | 38505 Marietta Rd | Dexter City | он | 45727 | 740-374-2940 412-443-4397 | | ОН | 34-121-24037 |
| | Bosos marceland. | | | | 740-236-2135 | Noble | | 34-121-24086 |
| FQ Ritchie | 122 Lonesome Pine Rd | Ellenboro | wv | 26345 | 740-374-2940 412-443-4397 740-236-2135 | Ritchie | wv | 47-085-09721 |
| FQ Mills | 53610 TS Rd 706 | Portland | он | 45770 | 740-374-2940 412-443-4397 740-236-2135 | Meigs | он | 34-105-2-3619 34-105-2-3652 34-105-2-3637 34-105-2-3651 |
| Petta Enterprises - OH | 745 North 3rd Street | Cambridge | он | 43725 | 614-477-1368 | Guernsey | он | Ohio Chiefs Order 25-019 |
| Petta Enterprises - WV | 38 Technology Dr. | Tridelphia | wv | 26059 | 740-255-5727 | Ohio | wv | |
| Deep Rock Disposal | 2341 OH-821 | Marietta | он | 45750 | 304-629-0176 | Washington | ОН | 34-167-2-9766 |
| Waste Management - Arden Landfill | 100 Rangos Road | Washington | PA | 15301 | 866-909-4458 | Washington | PA | 100172 |
| Wetzel County Sanitary Landfill | 1521 Wetzel County Landfill Road | New Martinsville | wv | 26155 | 3044553800 | Wetzel | MAY | DAVE 1001 |

apartities of the

MAR 5 2025

RECEIVED Gas

Form WW-9

Operator's Well No. BIG177 102H

EQT Production Company

 Proposed Revegetation Treatment: Acres Disturbed
 No additional
 Prevegetation pH
 5.2

 Lime
 3
 Tons/acre or to correct to pH
 6.5

 Fertilizer type
 Granular 10-20-20

 Fertilizer amount
 500
 Ibs/acre

 Mulch
 2
 Tons/acre

Seed Mixtures

| Т | emporary | Perma | nent |
|---------------|-------------------------------|----------------------------|----------------|
| Seed Type | ^{1bs/acre} 40 | Seed Type Orchard Grass | Ibs/acre 15 |
| Alsike Clover | 5 | Alsike Clover | 5 |
| Annual Rye | 15 | | |

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

| Plan Approved by: Stephen Mccoy Digitally signed by Stephen Mccoy Date: 2025.03.03 08:03:43 -05'00' | |
|---|-----------------------|
| Comments: | |
| | |
| | RECEIVED Gas |
| | Office of On the 2025 |
| | MAR |
| | -mental Protection |
| Title: WV Oil and Gas Inspector Date: | |
| Field Reviewed? () Yes () No | |
| | |
| | |

04/11/2025

| | RECORD OF | REVISION AN | D CHANGES |
|--|---|-------------|-----------------------------------|
| | <u>Revision #</u> | <u>Date</u> | <u>Change/s</u> |
| | 1 | 12/10/2020 | Plan total revision and reformat. |
| GENCY RESPONSE PLAN (ERP) | | 5 | |
| SAFETY AND ENVIRONMENTAL PLAN) | | | |
| QT BIG 177 Well Pad | | | |
| Grant | | | |
| Vetzel County, WV | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| nior EHS Coordinator nior EHS Coordinator | | | |
| | | | |
| | | | Stephen Mccoy Mccoy |
| | Plan Administrator: Scott M. Held, CSP | | Approver: |
| щ Q | Senior EHS Coordina | tor | Vice President of EHS |
| NA A A | | | |
| ECEI of Oin | | | |
| | | | |

| Topo Quad: | Big Run 7.5' | Sc | ale: | 1" = 1000' | |
|--|---|--|-------------------|--|--|
| County: | Wetzel | Da | te: | January 30, 20 | 25 |
| District: | Grant | Pro | oject No: | 352-18-M-23 | |
| Water | | Big 177 We | ell Pad | 1 | |
| 889 | 5 | Potential Water Source | ces within Big | 2500' 08 Run | site 1 |
| | acco Kin | 1300 1300 Site 6 00 000 000 | Site 4 Site 5 | Site 2 m | Cent With te 3 RECEIVED Office of Oil and Gas MAR 5 2025 1300 |
| LEGENL | 2 | | | / | NAD 83, North Zone |
| Red Symbol - Declined S Blue Symbol - Requested / Unable to | ampling d Sampling o Contact | Site 7 ^s Site 8 | | 1100 | N: 396,164.37 E: 1,662,986.24 |
| Well Spring Pond Building | | 1000 | | and the second s | WGS 84 LAT: 39.582620 LONG: -80.584005 ELEV: 811' |
| ULE GHA | SURVEYING AND MAI ALLEGHEN 1 237 Birci Ph FAJ | PPING SERVICES PERFORMED BY: Y SURVEYS, IN -800-482-8606 Birch River Road h River, WV 26610 I: (304) 649-8606 X: (304) 649-8608 | C. EG | ed for: TProduc 400 Wi Canonsl | ction Company podcliff Drive burg, PA 15317 |

04/11/2025



| EQT | Big Big Produ | 177 10 ig 177 ction | 02H Com | nanv | | | Well References | | P | <u>Notes:</u> Big 177 102H coordinates are NAD 27 N: 396,149,40 E: 1,694,392,10 NAD 27 Lat: 39.582597 Long: -80.584311 NAD 63 UTM N: 4,381,523,03 E: 535 714 20 |
|---|--|---|--|--|--|--|-------------------------|-------------------------------------|--|---|
| Tract I.D. 1 2 3 4 5 6 7 | Tax Map No. 13 8 8 8 8 8 8 8 8 8 8 8 | Parcel No. 6 18 23.2 35 66 65 36 | County Wetzel Wetzel Wetzel Wetzel Wetzel Wetzel Wetzel | District Grant Grant Grant Grant Grant Grant Grant Grant | Surface Tract Owner Oastal Forest Resources Company Coastal Forest Resources Company James L Dulaney John D. Parks ECM Gathering OPCO LLC Ikey Joe & Tina M. Willey James L & Karen Dulaney | Acres 217.19 337 43.19 15.5 0.418 2.15 14.1 | 5/8" Rebar 1" = 300' | AZ256°25'50" 208.88' | 1.2.151°20'10" 160.777' 5/8" Rebar | Big 177 102H Bottom Hole coordinates are NAD 27 N: 394,825.52 E: 1,691,469,50 NAD 27 Lat: 39.578866 Long:-80.594622 NAD 83 UTM N: 4,380,886.40 E: 534,815.53 West Virginia Coordinate system of 1927 (North Zone based upon Differential GPS Measurements. Plat orientation, comer and well ties are based upon the grid north meridian. Well location references are based upon the grid north meridian. UTM coordinates are NAD83, Zone 17, Meters. |
| 8 9 10 11 | 8 8 12 | 37 43 45 | Wetzel Wetzel Wetzel | Grant Grant Grant | James L & Karen Dulaney Judy K Utt Dale K Dulaney | 14.1 3.25 9.828 | | | | Big 177 |
| 12 13 | 13 13 | 15 13 | Wetzel Wetzel | Grant Grant Grant | Mansel Lee McDiffitt, et al. Robert Scott & Alfred Bryan Cole Linda L. Dunn | 51.8 27.75 67.5 | | | | |
| 15 16 | 13 13 13 | 12 4.3 6.1 | Wetzel Wetzel Wetzel | Grant Grant Grant | Leslie Lydick & Susan Miracle Jaffrey L & Beth Willey Coastal Forest Resources Company | 15.02 3.35 55.06 | | | | Big 177 102H Big 177 104H Big 177 102H Big 177 106H |
| 17 18 19 | 8 8 8 | 34 58 64 | Wetzel Wetzel Wetzel | Grant Grant Grant | Hallie M. & Paul E Hardbarger Higgins Chapel Church of Christ Mary S. & James Eastham | 54.01 0.99 1.45 | | | | Bia 177 108H0 Bia 177 112H |
| 20 21 22 | 13 13 13 | 4 5 11 | Wetzel Wetzel Wetzel | Grant Grant Grant | Jeffrey L & Beth Willey Kingtown Cemetery John R & bhnna E Harter | 26.8 1.1 74.771 | | | | Big 177 110H © © Big 177 114H |
| 23 24 25 | 13 13 13 | 23 23.2 22 | Wetzel Wetzel Wetzel | Grant Grant Grant | Kenneth L & Nadine R Open Jennifer L Archer, et al. | 26.51 14.54 | | Lease No. | . <u>Owner</u> | LAcres |
| 26 27 28 | 13 13 12 | 20 19 22 | Wetzel Wetzel Wetzel | Grant Grant Grant | John R & Johnna E Harter Larry D. & Mary A Huggins | 18.25 19.25 | | 121095000 121095012 120728000 | Coasta Coasta EQT P | al Forest Resources Company, et al. 300 al Forest Resources Company, et al. 57.5 Production Company, et al. 450 |
| 29 30 31 | 12 12 8 | 12 11 67 | Wetzel Wetzel Wetzel | Grant Grant Grant | Dallison Lumber Inc. Kathryn Marshall, et al. | 84 43.74 | | | | |
| 32 33 34 | 13 13 13 | 4.2 54 55 | Wetzel | Grant Grant | Dallison Lumber Inc. Lowman Baptist Church | 0.53 0.6 0.222 | | | | |
| 35 36 37 | 13 13 7 | 1 3 34 | Wetzel | Grant | Lowman Baptist Church Lowman Baptist Church Lowman Baptist Church | 0.229 1.5 0.38 | | | | |
| 48 | 13 | 14 | Wetzel | Grant | Kenneth E Wildman Life Estate Linda L. Dunn | 44.6 12.5 | | | | |



WW-6A1 (5/13)

Operator's Well No. BIG177 102H

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 -

- 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 | Grantor, Lessor, etc. | Grantee, Lessee etc | Royalty | Boy | ok/Dago |
|-------------------------|------------------------------------|---|---------------|------------|----------------------|
| | See attached list | ,,, | | D00 | JK/Fage |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | C | RECE | EIVED)il and Gas |
| | | | | MAR | 5 2025 |
| | Acknowledgement of In Addition to | f Possible Permitting/Approval the Office of Oil and Gas | E | nv - H | i. nc.~~ |
| The permit | applicant for the proposed well wo | rk addressed in this application | hereby acknow | vledges th | |

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: | EQT Production Company | | | |
|----------------|-------------------------------|--|--|--|
| By: | Branden Weimer | | | |
| lts: | Regional Manager - Permitting | | | |

Page 1 of 2

04/11/2025

| WW-6A1 attachment | | | Operator's Well No. | В | G177 102H | |
|--------------------|--|---------|--|--|---|-----------|
| Lease No. | Grantor, Lessor, etc. | Acres | Grantee, Lessee, etc. | Royalty | Book/Page | |
| <u>121095000</u> | <u>Coastal Forest Resources Company, et al.</u> James V. Higgins The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company Equitable Gas Company Equitrans, Inc. Equitable Gas Company, LLC, et al. Equitrans, L.P. | 300 ac | The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company Equitable Gas Company Equitrans, Inc. Equitable Gas Company LLC Equitrans, L.P. EQT Production Company | "at least 1/8th per WV Code 22-6-8" | DB 60/414 OG 22A/352 DB 187/321 OG 71A/453 Corp. Book 13/213 Misc 105/908 OG 131A/81 | |
| / <u>121095012</u> | <u>Coastal Forest Resources Company, et al.</u> Coastal Forest Resources Company, d/b/a Coastal Timberlands Company | 57.5 ac | EQT Production Company | "at least 1/8th per WV Code 22-6-8" | OG 147A/664 | |
| 120728000 | EQT Production Company, et al. Mikel Barr, et al. The Philadelphia Company The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company Equitable Gas Company Equitable Gas Company, LLC, et al. Equitable Gas Company, LLC, et al. | 450 ac | The Philadelphia Company The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company Equitable Gas Company Equitans, Inc. Equitable Gas Company LLC Equitrans, L.P. EQT Production Company | "at least 1/8th per WV Code 22-6-8" | DB 47/558 DB 47/561 OG 22A/352 DB 187/321 OG 71A/453 Corp. Book 13/213 Misc 105/908 OG 131A/81 | 471030372 |



EQT PRODUCTION COMPANY 400 Woodcliff Drive | Canonsburg, PA 15317



February 18, 2025

Mr. Taylor Brewer West Virginia Department of Environmental Protection Office of Oil and Gas 601 57th Street SE Charleston, WV 25304

Re: BIG177 102H Grant District, Wetzel County, WV

Dear Mr. Brewer,

EQT Production Company is applying for a well work permit for the well referenced above. Upon information and belief, the Operator's lease and/ or other real property rights permit it to conduct drilling operations for the subject well in the location shown on the plat, including under any public roads that the well lateral crosses.

Sincerely,

Branden Weimer Regional Manager - Permitting

RECEIVED Office of Oil and Gas

MAR 5 2025

aniental Protection



WW-PN (11-18-2015)

Horizontal Natural Gas Well Work Permit Application Notice By Publication

Notice is hereby given:

Pursuant to West Virginia Code 22-6A-10(e) prior to filing an application for a permit for a horizontal well the applicant shall publish in the county in which the well is located or is proposed to be located a Class II legal advertisement.

Paper: Wetzel Chronicle

Public Notice Date: February 5th and 12th, 2025

The following applicant intends to apply for a horizontal natural well work permit which disturbs three acres or more of surface excluding pipelines, gathering lines and roads **or** utilizes more than two hundred ten thousand gallons of water in any thirty day period.

| Applicant: | EQ | Production | Company |
|------------|----|------------|---------|
|------------|----|------------|---------|

Well Number: BIG 177 102H, 104H, 106H, 108H, 110H, 112H, 114H

Address: 400 Woodcliff Dr.

Canonsburg, PA 15317

Business Conducted: Natural gas production.

Location -

| State: | West Virginia | County | Wetzel |
|-----------|---------------------------------|--|---|
| District: | Grant | Ouadrangle: | Big Run |
| UTM Coo | rdinate NAD83 Northing: | 102H-4381523.03; 104H-4381522.16; 108H-4381521.32; 108H- | 4381514,51; 11DH - 4381513,64; 112H - 4381512,78; 114H - 4381511,93 |
| UTM coor | dinate NAD83 Easting: | 102H - 535714.28; 104H - 535718.78; 106H - 535723.24; 108H - 535 | 5709.94; 110H - 535714.43; 112H - 535718.92 114H - 595773.4n |
| Watershed | : Willey Fork of North Fork Fis | hing Creek | |

Coordinate Conversion:

To convert the coordinates above into longitude and latitude, visit: http://tagis.dep.wv.gov/convert/llutm_conus.php

Electronic notification:

To receive an email when applications have been received or issued by the Office of Oil and Gas, visit <u>http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx</u> to sign up.

Reviewing Applications:

Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE Charleston, WV 25304 (304-926-0450). Full copies or scans of the proposed permit application will cost \$15, whether mailed or obtained at DEP headquarters. Copies may be requested by calling the office or by sending an email to <u>DEP.comments@wv.gov</u>.

Submitting Comments:

RECEIVED Office of Oil and Gas

Comments may be submitted online at <u>https://apps.dep.wv.gov/oog/comments/comments.cfm</u>, or by letter to Permit Review, Office of Oil and Gas, 601 57th Street, SE Charleston, WV 25304. Please reference the county, well number, 5 2025 and operator when using this option.

(i instruction

Regardless of format for comment submissions, they must be received no later than thirty days after the permit projection application is received by the Office of Oil and Gas.

For information related to horizontal drilling visit: www.dep.wv.gov/oil-and-gas/pages/default.aspx

WW-6AC (1/12)

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS <u>NOTICE CERTIFICATION</u>

Date of Notice Certification: $\frac{2/2 \omega / 2.5}{2}$

Notice has been given:

| API No. 47- | - |
|--------------------------|----------|
| Operator's Well N | NO. 102H |
| Well Pad Name: | BIG177 |

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows: State: West Virginia County: Wetzel
UTM NAD 83
Easting: 535714.28
Northing: 4381533 03

| county. | weizei | Vittinal 05 Northing | 1004500 00 |
|-------------|---|---------------------------|-----------------------|
| District: | Grant | INORMING: | 4381523.03 |
| Quadranole: | Big Bun | Public Road Access: | Rt 19/Willey Fork Rd. |
| Watershed. | Willow Fork of Netth Ford Filth Part | Generally used farm name: | BIG177 |
| ratersheu. | Villey Fork of North Fork Fishing Creek | | |

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

| Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following: | |
|---|---------------------------|
| *PLEASE CHECK ALL THAT APPLY | OOG OFFICE USE ONLY |
| 1. NOTICE OF SEISMIC ACTIVITY or INOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED | RECEIVED/ NOT REQUIRED |
| □ 2. NOTICE OF ENTRY FOR PLAT SURVEY or ■ NO PLAT SURVEY WAS CONDUCTED | □ RECEIVED |
| ■ 3. NOTICE OF INTENT TO DRILL or DOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or | RECEIVED/ NOT REQUIRED |
| WRITTEN WAIVER BY SURFACE OWNER | |
| (PLEASE ATTACH) | |
| 4. NOTICE OF PLANNED OPERATION Grad Grad Grad Grad Grad Grad Grad G | C RECEIVED |
| 5. PUBLIC NOTICE | C RECEIVED |
| 6. NOTICE OF APPLICATION | RECEIVED |

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A. 11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

WW-6AC (1/12)

Certification of Notice is hereby given:

THEREFORE, J Branden Weimer

, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

| Well Operator: | EQT Production Company | Address: | 400 Woodcliff Drive |
|-------------------------------|--|--|---|
| By: | Branden Weimer | general second | Canonsburg, PA 15317 |
| Its: | Regional Manager - Permitting | Facsimile: | |
| Telephone: | 844-378-5263 | Email: | |
| Common Ki My comi Co | NOTARY SEAL wealth of Pennsylvania - Notary Seal risten Brooks, Notary Public Fayette County mission expires February 17, 2029 pmmission number 1285524 | Subscribed and swo KM My Commission Ea | rn before me this 26 th day of February, 2025 ister Broodes Notary Public ppires_February 17, 2029 |
| Member, | Pennsylvania Association of Netaries | | 0 |

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

> RECEIVED Office of Oil and Gas

5 2025 MAR

spanne Environmental Protection

| WW-6A | |
|--------|--|
| (9-13) | |

API NO. 47-____ OPERATOR WELL NO. 102H Well Pad Name: BIG177

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION

| Not | ice Time Requireme | nt: notice shall be provide | ed no later than the filing date of permit application. |
|---|--|---|--|
| Date | e of Notice: 2/27/2 | SDate Permit Applicatio | on Filed: 3 3 25 |
| Noti | ce of: | | |
| | PERMIT FOR ANY WELL WORK | CERTIFICA CONSTRU | ATE OF APPROVAL FOR THE JCTION OF AN IMPOUNDMENT OR PIT |
| Deli | very method pursua | nt to West Virginia Cod | e § 22-6A-10(b) |
| | PERSONAL SERVICE | REGISTERED MAIL | METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION |
| Purs certi: regis sedir the s oil an descr opera more well | uant to W. Va. Code § ficate of approval for t tered mail or by any m nent control plan requ urface of the tract on v nd gas leasehold being ibed in the erosion an ator or lessee, in the ev coal seams; (4) The o work, if the surface tra- undment or nit as desc | 22-6A-10(b) no later than he construction of an impor- tethod of delivery that requi- ired by section seven of this which the well is or is propo- developed by the proposed d sediment control plan sub- yent the tract of land on whi- where of record of the surfa- act is to be used for the plac when the section pine of this | the filing date of the application, the applicant for a permit for any well work or for a undment or pit as required by this article shall deliver, by personal service or by res a receipt or signature confirmation, copies of the application, the erosion and article, and the well plat to each of the following persons: (1) The owners of record of used to be located; (2) The owners of record of the surface tract or tracts overlying the well work, if the surface tract is to be used for roads or other land disturbance as mitted pursuant to subsection (c), section seven of this article; (3) The coal owner, ch the well proposed to be drilled is located [sic] is known to be underlain by one or ace tract or tracts overlying the oil and gas leasehold being developed by the proposed ement, construction, enlargement, alteration, repair, removal or abandonment of any e article; (5) A my unforce ourset or process of the proposed the proposed to be article; (5) A my unforce ourset or process of the proposed to be article; (5) A my unforce ourset of the proposed to be be article; (5) A my unforce ourset of the proposed to be be article; (5) A my unforce ourset of the proposed to be be article; (5) A my unforce ourset of the proposed to be be article; (5) A my unforce ourset of the proposed to be be article; (5) A my unforce ourset of the proposed to be be article; (5) A my unforce ourset of the proposed to be be article; (5) A my unforce ourset of the proposed to be be article; (5) A my unforce ourset of the proposed to be article; (5) A my unforce ourset of the proposed to be be article; (5) A my unforce ourset of the proposed to be be article; (5) A my unforce ourset of the proposed to be article; (5) A my unforce ourset of the proposed to be article; (5) A my unforce ourset of the proposed to be article; (5) A my unforce ourset of the proposed to be article; (5) A my unforce ourset of the proposed to be article; (5) A my unforce ourset of the proposed to be article; (5) A my unforce ourset of the proposed to be article; (5) |

impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

| □ Application Notice □ WSSP Notice □ E&S Plan Notice | e 🛛 Well Plat Notice is hereby provided to: | RECEIVED |
|--|--|-----------------------|
| ☑ SURFACE OWNER(s) | COAL OWNER OR LESSEE | Office of Oil and Gas |
| Name: see attached | Name: see attached | |
| Address: | Address: | MAR 5 2025 |
| Name: | COAL OPERATOR | to manual |
| Address: | Name: | an opdition |
| | Address: | Environmental |
| ☑ SURFACE OWNER(s) (Road and/or Other Disturbance) | | |
| Name: see attached | SURFACE OWNER OF WATER WELL | |
| Address: | AND/OR WATER PURVEYOR(s) | |
| | Name: see attached | |
| Name: | Address: | |
| Address: | | |
| | DOPERATOR OF ANY NATURAL GAS STORA | GE FIFLD |
| □ SURFACE OWNER(s) (Impoundments or Pits) | Name: | |
| Name: | Address: | |
| Address: | | |
| | *Please attach additional forms if necessary | |

WW-6A (8-13)

4710303724

API NO. 47-OPERATOR WELL NO. 102H Well Pad Name: BIG177

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

RECEIVED

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <u>www.dep.wv.gov/oil-</u> MAR 5 2025

Well Location Restrictions

wy pepanment of Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any restriction any restriction water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

WW-6A (8-13)

API NO. 47-

OPERATOR WELL NO. 102H Well Pad Name: BIG177

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the IVED application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as tender Gase location or construction of the applicant's proposed well work to the Secretary at: Chief, Office of Oil and Gas Department of Environmental Protection

Chief, Office of Oil and Gas Department of Environmental Protection 601 57th St. SE Charleston, WV 25304 (304) 926-0450

Componental Protection

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WW-6A (8-13)

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have **THIRTY (30) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site http://www.dep.wv.gov/oil-and-gas/Horizontal-

<u>Permits/Pages/default.aspx</u> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

RECEIVED Office of Oil and Gas

MAR 5 2025

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API NO. 47-____

OPERATOR WELL NO. 102H Well Pad Name: BIG177

4710303724

| (8-13) | |
|---|------|
| Notice is hereby given by: Well Operator: EQT Production Company | 2MA- |
| Telephone: 844-378-5263 | Ad |
| Email: branden.weimer@eqt.com | |

4710303724

| API NO. 47- | - | |
|----------------|---------|------|
| OPERATOR WE | ELL NO. | 102H |
| Well Pad Name: | BIG177 | |

| Address: 400 Woodcliff Dr. | |
|----------------------------|--|
| Canonsburg, PA 15317 | and a second |
| Facsimile: | |

Oil and Gas Privacy Notice:

WW-6A (8-13)

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at <u>depprivacyofficer@wv.gov</u>.

Commonwealth of Pennsylvania - Notary Seal Kristen Brooks, Notary Public Fayette County My commission expires February 17, 2029 Commission number 1285524

Member, Pennsylvania Association of Notaries

| Subscribed and sworn befo | ore me this $\frac{264}{4}$ day of | Feb 2025 |
|---------------------------|------------------------------------|---------------|
| Kuste | n Brooks | Notary Public |
| My Commission Expires_ | February | 17,2029 |
| | U | |

RECEIVED Office of Oil and Gas

MAR 5 2025

Environmental Protection

Operator Well No. BIG177 102H

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS <u>NOTICE OF INTENT TO DRILL</u>

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

 Notice Time Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application.

 Date of Notice:
 02/06/2025

 Date Permit Application Filed:
 3/3/25

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

| HAND | CERTIFIED MAIL |
|----------|--------------------------|
| DELIVERY | RETURN RECEIPT REQUESTED |

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided*, *however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s):

| Name: | Coastal Forest Resources Co. | Name: |
|----------|------------------------------|----------|
| Address: | PO Box 1023 | Address: |
| | Havana, FL 32333 | |
| | | |

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

| State: | West Virginia | LITE () LAD 02 | Easting: | 535714.28 | |
|-------------|---|-------------------|-----------|------------|---------------------------------------|
| County: | Wetzel | UIM NAD 83 | Northing: | 4381523.03 | |
| District: | Grant | Public Road Acc | ess: | Rt 19 | |
| Quadrangle: | Big Run | Generally used fa | arm name: | BIG177 | · · · · · · · · · · · · · · · · · · · |
| Watershed: | Willey Fork of North Fork Fishing Creek | | | | |

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <u>www.dep.wv.gov/oil-and-gas/pages/default.aspx</u>.

Notice is hereby given by:

| Well Operator: | EQT Production Company | Authorized Representative: | Branden Weimer | RECEIVED |
|----------------|------------------------|----------------------------|------------------------|--|
| Address: | 400 Woodcliff Dr. | Address: | 400 Woodcliff Dr. | Office of Oil and Gas |
| - | Canonsburg, PA 15317 | | Canonsburg, PA 15317 | the second s |
| Telephone: | 844-378-5263 | Telephone: | 844-378-5263 | MAR 5 2025 |
| Email: | kristen.brooks@eqt.com | Email: | branden.weimer@eqt.com | |
| Facsimile: | | Facsimile: | | WV Departmen of |

Environmental Protection

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at <u>depprivacyofficer@wv.gov</u>.

WW-6A4 (1/12)

WW-6A5 (1/12)

Operator Well No. BIG177 102H

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application. Date of Notice: 02/27/2025 Date Permit Application Filed: 3/3/25

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

| CERTIFIED MAIL | HAND |
|--------------------------|----------|
| RETURN RECEIPT REQUESTED | DELIVERY |

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

| Name: Coastal Forest Resources Co. | Name: |
|------------------------------------|----------|
| Address: PO Box 1023 | Address: |
| Havana, FL 32333 | |
| | |

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

| State: | West Virginia | | Easting: | 535714.28 | |
|-------------|---|------------------|-----------|--|---------|
| County: | Wetzel | UIM NAD 83 | Northing: | 4381523.03 | |
| District: | Grant | Public Road Acc | cess: | Rt 19/Willey Fork Rd | |
| Quadrangle: | Big Run | Generally used f | arm name: | BIG177 | <u></u> |
| Watershed: | Willey Fork of North Fork Fishing Creek | | | And a second | |

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1)A copy of this code section; (2) The information required to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.goverepeived Office of Oil and Gas gas/pages/default.aspx.

| Well Operator: | EQT Production Company | Address: | 400 Woodcliff Dr. | MAR 5 2025 |
|----------------|------------------------|------------|----------------------|--------------------------|
| Telephone: | 844-378-5263 | | Canonsburg, PA 15317 | |
| Email: | kristen.brooks@eqt.com | Facsimile: | | MAL LIGHTERMENT CI |
| Ail and Cas Pr | iveev Notice | | | Environmental Protection |

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-6RW (1-12)

| | - | API NO. 47- |
|------|---------|----------------|
| 102H | L NO. | OPERATOR WEL |
| | BIG 177 | Well Pad Name: |
| | BIG 177 | Well Pad Name: |

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL LOCATION RESTRICTION WAIVER

The well operator, EXT Production Company is applying for a permit from the State of West Virginia to conduct oil or gas well work. Please be advised that well work permits are valid for twenty-four (24) months.

Well Location Restrictions

Pursuant to West Virginia Code § 22-6A-12(a), Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements.

WAIVER

I. By 500 Korg , hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through ______, including the erosion and sediment control plan, if

| required, and | i the well plat, all for proposed well | work on the tract of land | as follows: | | |
|--|---|----------------------------|--|--|------------------------------------|
| State: | West Virginia | UTM NAI | D 83 Easting: | 535714.28 | |
| County: | Wetzel | UTM NAI | D 83 Northing: | 4381523.03 | |
| District: | Grant | Public Ros | ad Access: | RI 19/Willow Fork Brt | |
| Quadrangle: | Big Run | Generally | used farm name | | |
| Watershed: | Willey Forie | Contracting | abea milli name. | | |
| I further state issued on the | e that I have no objection to the plant use materials and I therefore waive al | ned work described in the | ese materials, and | I have no objection to a permit being | |
| WELL SITI *Please chec | E RESTRICTIONS BEING WAIV k all that apply | ED | FOR EXECUT | TON BY A NATURAL RERSON | |
| EXISTI | NG WATER WELLS | | Print Name: Tr. Date: 3-11-2 | 12 miley + Trva Willey | |
| DEVEL | OPED SPRINGS | | FOR EXECUT | ION BY A CORPORATION, ETC. | |
| DWEL | LINGS | | Company: Eo By: Robert Its: Authoric | Textuction Company Hawkins | |
| | DETORAL BUILDINGS | | Date: 2/20 | as | RECEIVED |
| Well Operato | r: | Signat | hure: | | ^J Office of Oil and Gas |
| By: | | Telepl | ione: | And the second | - |
| Its: | | | | | |
| (All all all all all all all all all all | NO THE WAY SEAL | Subscribed and sworn | before me this | 11th day of FEBRUARY, 2025 | MAR 5 2025 |
| | BRYSON KARP 343 N River Ave Weston WV 28452 My Commission Expires 12/0/2025 | -BJA My Commission Evol | - Dec | Notary Public | VVV Depare Environmental Pro |
| A | the second se | and Commission Expl | 103 / | JU, all I J | |

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at <u>depprivacyofficer@wv.gov</u>.

4710307:14



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

1900 Kanawha Boulevard East • Building Five • Room 109

Michael J. DeMers Charleston, West Virginia 25305-0440 • (304) 558-0444 Deputy Secretary of Transportation

Stephen T. Rumbaugh, P.E. Secretary of Transportation Commissioner of Highways

February 4, 2025

James A. Martin, Chief Office of Oil and Gas Department of Environmental Protection 601 57th Street, SE Charleston, WV 25304

Subject: DOH Permit for the BIG 177 Well Pad, Wetzel County BIG 177 102H Well Site BIG 177 104H Well Site BIG 177 106H Well Site BIG 177 108H Well Site BIG 177 110H Well Site BIG 177 112H Well Site BIG 177 114H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2013-0292 which has been issued to EQT Production Company for access to the State Road for a well site located off Wetzel County Route 19 SLS MP 0.44.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated March 6, 2023. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Sacy D. Pratt

Lacy D. Pratt Central Office O&G Coordinator RECEIVED Office of Oil and Gas

MAR 5 2025

Cc: Kristen Brooks EQT Production Company OM, D-6 File

E.E.O./AFFIRMATIVE ACTION EMPLOYER

04/11/2025

crivitonmental Protection

Anticipated Frac Additives

Chemical Names and CAS Numbers

| Material | Ingredient | CAS Number |
|-------------------------|--|-------------|
| Sand (Pronnant) | | CAS Number |
| Water | Sinca Substrate | 14808-60-7 |
| | water | 7732-18-5 |
| Hydrochloric Acid (HCI) | Hydrogen Chloride | 7647-01-0 |
| Friction Reducer | Copolymer of 2-propenamide | Proprietary |
| | Petroleum Distillate | 64742-47-8 |
| | Oleic Acid Diethanolamide | 93-83-4 |
| | Alcohols, C12-16, ethoxylated | 68551-12-2 |
| | Ammonium chloride ((NH4)Cl) | 12125-02-9 |
| Biocide | Glutaraldehyde | 111_30_8 |
| | Alkyl dimethyl benzyl ammonium chloride | 69201 01 E |
| | Didecyl dimethyl ammonium chloride | 7172 51 5 |
| | Non-hazardous substances | 7175-51-5 |
| Scale Control | Ris(HevaMethylene Triamino Donto/Mothylene Dheamhania Asid)(DURAT) | Proprietary |
| | Non bazardaus substances | 34690-00-1 |
| Acid Chalating Agent | | Proprietary |
| Actu chelating Agent | Ferripiex 66 | |
| | | 77-92-9 |
| Corrector Inhibitor | Acetic Acid | 64-19-7 |
| corrosion infilbitor | | |
| | | 67-56-1 |
| | Alconols, C14-15, ethoxylated | 68951-67-7 |

| WW-6A7 | |
|--------|--|
| (6-12) | |

 OPERATOR:
 EQT Production Company
 WELL NO: 102H

 PAD NAME:
 BIG177

 REVIEWED BY:
 Branden Weimer
 SIGNATURE:

WELL RESTRICTIONS CHECKLIST

HORIZONTAL 6A WELL

Well Restrictions

| At Least 100 Feet from Pad and LOD (including any E&S Control Feature) to an Perennial Stream, Lake, Pond, Reservoir or Wetland; OR | ny |
|---|--------------------------------------|
| DEP Waiver and Permit Conditions | |
| At Least 300 Feet from Pad and LOD (including any E&S Control Feature) to an Naturally Producing Trout Stream; OR | y |
| DEP Waiver and Permit Conditions | |
| At Least 1000 Feet from Pad and LOD (including any E&S Control Feature) to a Groundwater Intake or Public Water Supply; OR | ny |
| DEP Waiver and Permit Conditions | |
| At Least 250 Feet from an Existing Water Well or Developed Spring to Well Beir Drilled; OR | ng RECEIVED Office of Oil and Gas |
| Surface Owner Waiver and Recorded with County Clerk, OR | MAR 5 2025 |
| DEP Variance and Permit Conditions | WV separation a |
| At Least 625 Feet from an Occupied Dwelling Structure to Center of the Pad; OR | Environmental Protection |
| Surface Owner Waiver and Recorded with County Clerk, OR | |
| DEP Variance and Permit Conditions | |
| At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the of the Pad; OR | e Center |
| Surface Owner Waiver and Recorded with County Clerk, OR | |
| DEP Variance and Permit Conditions | |

