

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

Austin Caperton, Cabinet Secretary www.dep.wv.gov

Monday, March 4, 2019 WELL WORK PERMIT Horizontal 6A / New Drill

EQT PRODUCTION COMPANY 625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Permit approval for BIG464H12 Re:

47-103-03269-00-00

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.

James A. Martin

Chief

Operator's Well Number: BIG464H12

Farm Name: COASTAL FOREST RESOURG

Horizontal 6A New Drill

U.S. WELL NUMBER: 47-103-03269-00-00

Date Issued: 3/4/2019

Promoting a healthy environment.

API Number: 47/0303269

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. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

- 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. 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.

API Number: 47 13 3 3 3 3 6 9

PERMIT CONDITIONS

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, cessation of drilling, sending an email to DEPOOGNotify@wv.gov.

WW-6B (04/15)

| | 11/14 |
|------------------|----------------|
| API NO. 47-103 - | 032693/08/2019 |
| OPERATOR WELL | NO. BIG464H12 |
| Well Pad Name: | BIG464 |

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

| 1) Well Operator | EQT Prod | uction Company | 306686 | Wetzel | Grant | Big Run |
|-------------------------|-----------------|--|-------------------------------|--------------------|--------------------|---|
| NO COLUMN TO THE COLUMN | | | Operator ID | County | District | Quadrangle |
| 2) Operator's We | ell Number: B | IG464H12 | Well | Pad Name: Blo | G464 | |
| 3) Farm Name/S | urface Owner: | Coastal Forest Resord/b/a Coastal Timber | urces Co. lands Co. Public | Road Access: F | Rt. 250 | |
| 4) Elevation, cur | rent ground: | 1246.8 E | levation, propos | sed post-constru | iction: 1246 | .8 |
| | (a) Gas X Other | Oil | U | Inderground Sto | orage | |
| | (b)If Gas Sh | allow X | Deep | - | | - Dm.4 |
| | Но | orizontal X | | | | MANAS |
| 6) Existing Pad: | Yes or No Yes | es | | | | 11-1-1-11 |
| | | s), Depth(s), Anti- | | | | |
| rarget formation is | Marcellus at a | depth of 7419 with the | anticipated thickness | s to be 51 feet ar | d anticipated targ | et pressure of 2620 PSI |
| 8) Proposed Tota | al Vertical Dep | oth: 4719 741 | 19 | | | |
| 9) Formation at 7 | Total Vertical | Depth: Marcellu | S | | | |
| 10) Proposed To | tal Measured I | Depth: 14411 | | | | |
| 11) Proposed Ho | rizontal Leg L | ength: 6658 (| 0050 | | | |
| 12) Approximate | Fresh Water | Strata Depths: | 109,184,432 | | | |
| 13) Method to D | etermine Fresh | Water Depths: | By offset wells | | | |
| 14) Approximate | Saltwater De | oths: 1724,1848 | | | | |
| 15) Approximate | Coal Seam D | epths: 559, 797, | 899, 919 | | | Office of Oil and Ga |
| | | sible Void (coal m | | r): None repor | ted | NOV 20 2018 |
| | | on contain coal sea o an active mine? | Yes | | No X | WV Department of Environmental Protect |
| (a) If Yes, prov | ide Mine Info | : Name: | | | | |
| 316 10 7 7 6 3 7 7 | ON PARTY MANY | Depth: | | | | |
| | occanacopy | Seam: | | | | |
| | | | | | | |
| | | Owner: | | | | |

API NO. 47- 103

OPERATOR WELL NO. BIG464H12

Well Pad Name: BIG464

18)

CASING AND TUBING PROGRAM

| TYPE | Size (in) | New or Used | Grade | Weight per ft. (lb/ft) | FOOTAGE: For Drilling (ft) | INTERVALS: Left in Well (ft) | CEMENT: Fill-up (Cu. Ft.)/CTS |
|--------------|--------------|-------------------|---|---------------------------|----------------------------|--|--|
| Conductor | 26 | New | A-500 | 85.6 | 40 | 40 | 49 ft^3 / CTS |
| Fresh Water | 13 3/8 | New | J-55 | 54.5 | 1019 | 1019 | 952 ft^3 / CTS |
| Coal | | | *************************************** | | | | |
| Intermediate | 9 5/8 | New | A-500 | 40 | 2841 | 2841 | 1108 ft^3 / CTS |
| Production | 5 1/2 | New | P-110 | 20 | 14411 | 14411 | 500' above top producing zone |
| Tubing | 2 3/8 | | J-55 | 4.7 | - c-1/164/000 | May not be run, if run set 40° above top perf or 80° inclination. | The state of the s |
| Liners | | | | Well-desta | Tolkie III | - Control Cont | |

Dail 11-14-18

| ТҮРЕ | Size (in) | Wellbore Diameter (in) | Wall Thickness (in) | Burst Pressure (psi) | Anticipated Max. Internal Pressure (psi) | Cement Type | Cement Yield (cu. ft./k) |
|--------------|-----------|---------------------------|---------------------------|----------------------|--|----------------|--------------------------------|
| Conductor | 26 | 30 | .312 | 1378 | 18 | Class A | 1.18 |
| Fresh Water | 13 3/8 | 17 1/2 | .38 | 2700 | 2160 | See Variance | 1.19 |
| Coal | | | | | | | |
| Intermediate | 9 5/8 | 12 3/8 | .395 | 3950 | 3160 | See Variance | 1.19 |
| Production | 5 1/2 | 8 1/2 | .361 | 12640 | 10112 | Class A/H | 1.123/2.098 |
| Tubing | 2 3/8 | NA | .19 | 7700 | | | - Proyection - 410.2 |
| Liners | | | | | | | |

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PACKERS

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| Kind: | | | WV Department of Environmental Protection |
|-------------|---|--|--|
| Sizes: | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| Depths Set: | La management of the control of the | | |

WW-6B (10/14) API NO. 47-103 OPERATOR WELL NO. BIG464H12
Well Pad Name: BIG464

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 to an approximate depth of 6485'. Kick off and drill curve. Drill the lateral in the Marcellus. Cement casing.

Dalt 11-14-18

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 10000 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 400,000 pounds of proppant per stage.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): no additional
- 22) Area to be disturbed for well pad only, less access road (acres): no additional
- 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 joint from production casing shoe to KOP

Office of Oil and Gas

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

Conductor: Class A no additives
Surface (Type 1 Cement): 0-3% Calcium Chloride. Used to speed the setting of cement slurries
Intermediate (Type 1 Cement): 0-3% Calcium Chloride. Used to speed the setting of cement slurries.

Lead (Class A Cement): 0.2% CD-20 (dispersant makes cement easier to mix). .15% SuperFL-300 (fluid loss/lengthens thickening time) .15% SEC-10 (fluid loss) 50:50 POZ (extender) Tail (Class H Cement): 0.2% Super CR-1 (Retarder). Lengthens thickening time. .3% Super FL-200 (fluid loss) .2% SEC-10 (Fluid loss). .2% SuperFL-350 (fluid loss) Reduces amount of water lost to formation, 60 % Calculm Carbonate. Acid solubility.

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: Pump marker sweep with nut plug to determine actual hole washout. Calculate a gauge holes bottoms up volume. Perform a cleanup cycle by pumping 3-5 bottoms up or until the shakers are clean. Check volume of cuttings coming across the shakers every 15 minutes.

*Note: Attach additional sheets as needed.

Page 3 of 3



west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary dep.wv.gov

March 18, 2014

Nabors Completion & Production Services Company 1380 Route 286 Hwy E #121 Indiana PA 15701

Re: Cement Variance Request

Dear Sir or Madam,

This agency is approving a variance request for the cement blend listed below to be used on surface and coal protection strings for the drilling of oil and gas wells in the state of West Virginia. The variance cannot be used without requesting its use on a permit application and approval by this agency:

- Type 1 (2% Calcium Chloride-Accelerator, 0.25% Super Flake-Lost Circulation, 5.2% Water, 94% Type "1" Cement)

Sincerely

If you have any questions regarding this matter feel free to contact me at 304-926-0499, ext. 1653.

yours (

Environmental Resources Specialist / Permitting

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WV Department of Environmental Protection

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Office of Oil and Gas 601 57th Street, SE Charleston, WV 25304 (304) 926-0450 (304) 928-0452 fax Eurl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary dep.wv.gov

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

| IN THE MATTER OF A VARIANCE FROM |) | ORDER NO. | 2014 - 17 |
|--------------------------------------|---|-----------|-----------|
| REGULATION 35 CSR § 4-11.4/11.5/14.1 |) | | |
| AND 35 CSR § 8-9.2.h. 4/5/6/8 OF THE |) | | |
| THE OPERATIONAL |) | | |
| REGULATIONS OF CEMENTING OIL |) | | |
| AND GAS WELLS |) | | |

REPORT OF THE OFFICE

Nabors Completion & Production Services Co. requests approval of a different cement blend for use in cementing surface and coal protection casing of oil and gas wells.

FINDINGS OF FACT

- 1.) Nabors Completion & Production Services Co. proposes the following cement blend:
 - 2% Calcium Chloride (Accelerator)
 - 0.25 % Super Flake (Lost Circulation)
 - 94% Type "1" Cement
 - 5.20 % Water
- Laboratory testing results indicate that the blend listed in Fact No.1 will achieve a 500
 psi compressive strength within 6 hours and a 2,435 psi compressive strength within 24
 hours.

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CONCLUSIONS OF LAW

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

Pursuant to 35 CSR § 4-11.5 and 35 CSR § 8-9.2.h.8 the Chief of the Office of Oil and Gas may approve different cement blends upon the well operator providing satisfactory proof that different cement types are adequate.

ORDER

It is ordered that Nabors Completion & Production Services Co. may use the cement blend listed in Findings of Fact No.1 for the cementing of surface and coal protection casing of oil and gas wells in the State as may be requested by oil and gas operators. The waiting time on the cement blend shall be 8 hours. The cement blend shall be mixed in strict accordance with the specifications for each blend and weight measurements made on-site to assure the cement slurries meet the minimum weight specifications. A sample shall be collected and, if after 8 hours the cement is not set up, additional time will be required. Nabors Completion & Production Services Co. shall keep a record of cement blend jobs in which the cement blend approved under this order is to be used and made available to the Office of Oil and Gas upon request.

Dated this, the 18th day of March, 2014.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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

James Martin, Chief Office of Oil and Gas

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Well

Big464H12

EQT Production

Big Run Quad Wetzel County, WV

Azimuth 337 7172 Vertical Section

Mater Diagram is not to conto

| ote: Diagram is not to scale | Тор | Base | | | Casing and Cementing | | - | Deepest Fresh Water | or: 432' |
|------------------------------|-------|--------|--|---------------------------------------|--|--------------|--------------------------------|---|--|
| Formations | TVD | TVD | | | Type | Conductor | Surface | Intermediate | Production |
| Conductor | | 10 | TITI | TT | Hole Size. In. | 30 | 17 1/2 | 12 3/8 | 8 1/2 |
| Base Red Rock | | 32 | 4 | | Casing Size, OD In. | 26 | 13 3/8 | 9 5/8 | 5 1/2 |
| Base Fresh Water | | 32 | | | Casing Wall Thickness, In. | 0.312 | 0.380 | 0.395 | 0.361 |
| Dada i icon vidia | | | 11111 | | Depth, MD | 40' | 1,019' | 2,841' | 14,411' |
| Surface Casing | 10 | 119 | 41111 | | Weight | 85,6# | 54.5# | 40# | 20# |
| ourness seeming | | | -1111 | | Grade | A-500 | J-55 | A-500 | P-110 |
| | | | 1111 | | New or Used | New | New | New | New |
| Maxton | 1812 | - 1991 | 1111 | | Burst (psi) | 1378 | 2,700 | 3,950 | 12,640 |
| Big Lime | | - 2330 | 1111 | | Cement Class | A | A/Type 1 | A / Type 1 | A/H |
| Big Injun | | - 2411 | 1111 | | Cement Yield | 1.18 | 1,19 | 1,19 | 1.123 / 2.098 |
| Weir | | - 2690 | 1111 | | | | | 1,19 | 1.123 / 2.098 |
| Gantz | | - 2791 | 1111 | | Top of Cement (Planned) | Surface | Surface | Surface | 500' above top Producing Zon |
| Intermediate Casing | 28 | | | | Method | Displacement | Displacement | Displacement | Displacement |
| Fifty foot | | - 2952 | | | Est. Volume (cu ft) | 49 | 952 | 1,108 | 3,015 |
| Thirty foot | 2991 | | - 11 | | Edit Volume (ed ti) | 10 | 102 | 1,100 | Calcium Carbonate, Fluid Los |
| Gordon | | - 3092 | - 11 | | | | Addition 1 | | Extender, Dispersent, Viscosifi |
| Forth Sand | | - 3130 | 11 | | Possible Additives | N/A | Calcium | Calcium Chloride | Defoamer, POZ, Bonding Ager |
| Bayard | | - 3260 | - 11 | | 7 0001010 7 100111700 | 1000 | Chloride | Calcium Chloride | Retarder, Anti-Settling/Suspens |
| *********** | | | - 11 | | | | | | Agent |
| Warren | 3665 | | - 11 | | | | | | |
| Speechley | | - 3833 | - 11 | | | | | | |
| Balltown A | | - 4158 | - 11 | | | | | | |
| Riley | | - 4670 | - 11 | | | | | | |
| Benson | | - 5306 | - 11 | | | | | | |
| Alexander | | - 5738 | - 11 | KOP @ 6,485' | | | | | |
| Sonyea | | - 7100 | - 11 | | | | | | |
| Middlesex | 7100 | | 11 | | Dm | 17 | | | |
| Genesee | 7156 | | 11 | | 1261 | H 14-18 | | | |
| Geneseo | | - 7275 | 11 | | 13 | | | | |
| Tully | 7275 | - 7300 | 11 | | - | 14-14 | | | |
| Hamilton | 7300 | - 7398 | 11 | | 1.1 | 1 1 2 4 | | | |
| Marcellus | 7398 | - 7449 | | | | | | | |
| Production Casing | 14411 | MD | Commence of the Commence of th | | | | | | 71 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - |
| Onondaga | 7449 | | CARREST CAR | A Six to reconstruct Six Construction | TAN DE LA COMPANIA D | | Elimical by Lawrence St. R. W. | AND | and the same of th |
| | | | Land curve @ | | | | Est. TD @ | 7,419 | TVD |
| | | | | 7,753' MD | | | 130,114,50 | 14,41 | 1' MD |
| anned Mall Mark | | | | | | | | | |

Proposed Well Work:

Drill and complete a new horizontal well in the Marcellus formation.

Drill the vertical to an approximate depth of 6485'.

Kick off and drill curve. Drill lateral in the Marcellus. Cement casing.

6,658' Lateral



November 8, 2018

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

Re: Casing plan on Wells (BIG464)

ansteed

Dear Mr. Smith,

EQT is requesting the 13-3/8" surface casing be set at 1019' KB, 100' below the workable Pittsburgh Coal seam. We will set the 9-5/8" intermediate string at 2841' KB, 50' below the base of the Gantz formation.

If you have any questions, please do not hesitate to contact me at (304) 848-0035.

Sincerely,

Rebecca Wanstreet

Landman I

Enc.

Office of Oil and Gas

NOV 1 4 2018

| API | Number | 47 - | 103 | |
|-----|--------|------|-----|--|
|-----|--------|------|-----|--|

Operator's Well No. BIG464H12

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

| Operator Name EQT Production Company | OP Code 306686 |
|--|--|
| Watershed (HUC 10) Wiley Fork | Quadrangle Big Run |
| Do you anticipate using more than 5,000 bbls of water to com Will a pit be used? Yes No | |
| If so, please describe anticipated pit waste:n/a | |
| Will a synthetic liner be used in the pit? Yes | No ✓ If so, what ml.? n/a |
| Proposed Disposal Method For Treated Pit Wastes: | |
| Land Application | 11-17- |
| Underground Injection (UIC Perm | nit Number 0014, 8462, 4037 |
| Reuse (at API Number Various | |
| Off Site Disposal (Supply form W) Other (Explain | W-9 for disposal location) |
| Will closed loop system be used? If so, describe: Yes, The closed prepared for training to the closed prepared for training to the closed system. | d loop system will remove drill cuttings from the drilling fluid. The drill cuttings are then unsportation to an off-site disposal facility. |
| Drilling medium anticipated for this well (vertical and horizon | ntal)? Air, freshwater, oil based, etc. See Attached |
| -If oil based, what type? Synthetic, petroleum, etc. S | Synthetic Mud |
| Additives to be used in drilling medium? See Attached | |
| Drill cuttings disposal method? Leave in pit, landfill, removed | d offsite, etc. Landfill |
| -If left in pit and plan to solidify what medium will be | e used? (cement lime sawdust) N/A |
| -Landfill or offsite name/permit number? See Attache | |
| Permittee shall provide written notice to the Office of Oil and West Virginia solid waste facility. The notice shall be provide where it was properly disposed. | Gas of any load of drill cuttings or associated waste rejected at any d within 24 hours of rejection and the permittee shall also disclose |
| on August 1, 2005, by the Office of Oil and Gas of the West V provisions of the permit are enforceable by law. Violations of law or regulation can lead to enforcement action. I certify under penalty of law that I have personall application form and all attachments thereto and that, base | conditions of the GENERAL WATER POLLUTION PERMIT issued Virginia Department of Environmental Protection. I understand that the of any term or condition of the general permit and/or other applicable by examined and am familiar with the information submitted on this ed on my inquiry of those individuals immediately responsible for true, accurate, and complete. I am aware that there are significant polity of fine or imprisonment. |
| Company Official File | |
| Delhecca & lebenstrees | Notary Public OFFICIAL SEAL NOTARY PUBLIC |
| My commission expires 4-1-2020 | STATE OF WEST VIRGINIA REBECCA L. WANGTREET PO BOX 280 BRIDGEPORT, WV 280 My contribution carefus Assist 2020 My contribution carefus Assist 2020 |

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 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 oil based 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. Oil based mud - synthetic base oil, emulsifier, salt, lime, viscosifer, alkalinity control, filtration control, deflocculates, biodegradable oil lubricant, defoaming, carbonates.

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| roposed Revegetation Trea | tment: Acres Disturbed no addition | nal Prevegetation pH | I |
|--|--|--|--|
| | Tons/acre or to correct to pH | | |
| Fertilizer type Gra | anular 10-20-20 | | |
| Fertilizer amount | 1/3 lbs/ | acre | |
| Mulch_2 | Tons/ac | re | |
| | Seed | Mixtures | |
| Т | emporary | Perma | nent |
| Seed Type | lbs/acre | Seed Type | lbs/acre |
| KY-31 | 40 | Orchard Grass | 15 |
| Alsike Clover | 5 | Alsike Clover | 5 |
| Annual Rye | 15 | | |
| Attach: Maps(s) of road, location, p rovided). If water from the creage, of the land applicat | it and proposed area for land applicat pit will be land applied, include dim ion area. | ion (unless engineered plans includensions (L x W x D) of the pit, and | ling this info have be dimensions (L x W) |
| Attach: Maps(s) of road, location, porovided). If water from the creage, of the land applicate thotocopied section of invo | it and proposed area for land applicat pit will be land applied, include dim ion area. Ived 7.5' topographic sheet. | ion (unless engineered plans includensions (L x W x D) of the pit, and | ling this info have be dimensions (L x W) |
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| Attach: Maps(s) of road, location, provided). If water from the creage, of the land applicate thotocopied section of invo | it and proposed area for land applicat pit will be land applied, include dim ion area. Ived 7.5' topographic sheet. | ensions (L x W x D) of the pit, and | dimensions (L x W) |
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Site Specific Safety and Environmental Plan

EQT BIG464 Pad Mannington Wetzel County, WV

| B194104H12 | For Wells: | |
|--|--------------------------|--|
| | | Office of Oil and Gas |
| | | NOV 2 0 2018 |
| Date Prepared: February 23, 2018 EQT Production | WV Oil and Gas Inspector | WV Department of Environmental Protection |
| Regional Land Supervisor | Oil + 6 cr Inspects | · · · · · · · · · · · · · · · · · · · |
| 11/8/2018 Date | Date | |

Anticipated Frac Additives Chemical Names and CAS numbers

| Material | Ingredient | CAS Number |
|-----------------------|--|------------|
| Water | | |
| Sand | Hydrotreated light petroleum distillate Tributyl tetradecyl phosphonium | 14808-60-7 |
| Friction Reducer | chloride | 64742-47-8 |
| Biocide | Ammonium chloride | 81741-28-8 |
| Scale Inhibitor | Hydrochloric Acid | 12125-02-9 |
| 15% Hydrochloric Acid | Propargyl Alcohol | 7647-01-0 |
| Corrosion Inhibitor | Methanol | 107-19-7 |
| Corrosion Inhibitor | Guar Gum | 67-56-1 |
| Gelling Agent | Sodium Persulfate | 9000-30-0 |
| Oxidizing Breaker | Potassium Carbonate | 7775-27-1 |
| Buffering Agent | | 584-08-7 |

DM1+

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NOV 2 0 2018

03/08/2010

EQT Production Water plan

Offsite disposals for Marcellus wells

CWS TRUCKING INC.

P.O. Box 391 Williamstown, WV 26187 740-516-3586 Noble County/Noble Township Permit # 3390

LAD LIQUID ASSETS DISPOSAL INC.

226 Rankin Road Washington, PA 15301 724-350-2760 724-222-6080 724-229-7034 fax Ohio County/Wheeling Permit # USEPA WV 0014

TRI COUNTY WASTE WATER MANAGEMENT, INC.

1487 Toms Run Road Holbrook, PA 15341 724-627-7178 Plant 724-499-5647 Office Greene County/Waynesburg Permit # TC-1009

Waste Management - Meadowfill Landfill

Rt. 2, Box 68 Dawson Drive Bridgeport, WV 26330 304-326-6027 Permit #SWF-1032-98 Approval #100785WV

Waste Management - Northwestern Landfill

512 E. Dry Road
Parkersburg, WV 26104
304-428-0602
Permit #SWF-1025 WV-0109400
Approval #100833WV

BROAD STREET ENERGY LLC

37 West Broad Street
Suite 1100
Columbus, Ohio 43215
740-516-5381
Washington County/Belpre Twp.
Permit # 8462

TRIAD ENERGY

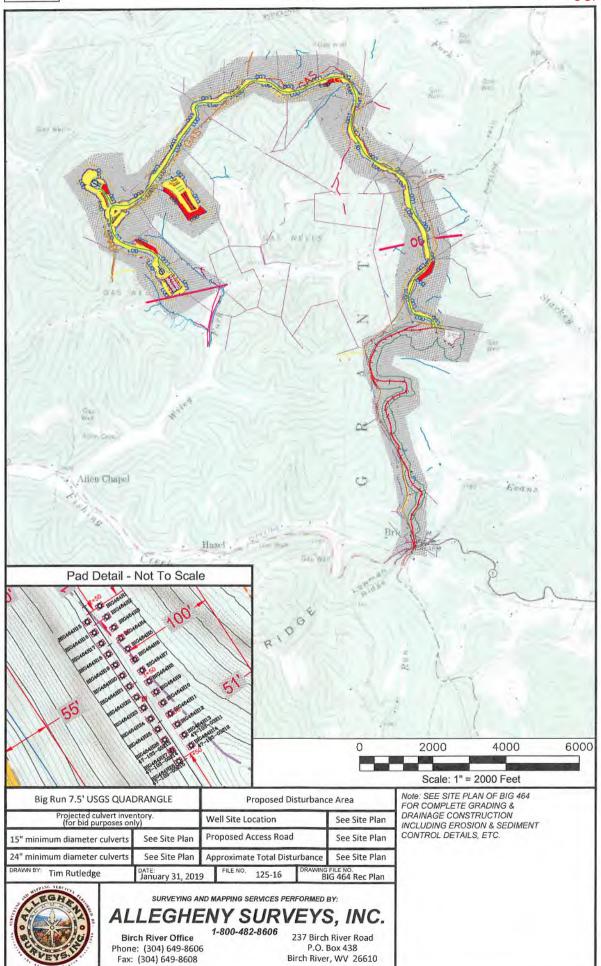
P.O. Box 430
Reno, OH 45773
740-516-6021 Well
740-374-2940 Reno Office Jennifer
Nobel County/Jackson Township
Permit # 4037

KING EXCAVATING CO.

Advanced Waste Services
101 River Park Drive
New Castle, Pa. 16101
Facility Permit# PAR000029132

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Office of Oil and Gas

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Site Specific Safety and Environmental Plan

EQT BIG464 Pad Mannington Wetzel County, WV

| 31G4104H12 | For Wells: |
|--|--------------------------|
| Date Prepared: <u>February 23, 2018</u> EQT Production | WV Oil and Gas Inspector |
| Regional Land Supervisor Title 11/8/2018 | Title |
| Date | Date |

EQT Production Water Plan Offsite disposals for Marcellus wells

CWS TRUCKING INC.

P.O. BOX 391 Williamstown, WV 26187 740-516-3586 Noble County/Noble Township Permit # 3390

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1487 Toms Run Road Holbrook, PA 15341 724-627-7178 Plant 724-499-5647 Office Green County/Waynesburg Permit # TC-1009

Waste Management - Meadowbrook Landfill

Rt. 2, Box 68 Dawson Drive Bridgeport, WV 26330 304-326-6027 Pemut #SWF-1032-98 Approval # 100785WV

Waste Management - Meadowbrook Landfill

512 E. Dry Road Parkersburg, WV 26104 304-428-0602 Permit # SWF-1025WV-0109400 Approval #100833WV

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37 West Broad Street
Suite 1100
Columbus, Ohio 43215
740-516-5381
Washington County/Belpre Twp.
Permit # 8462

TRIAD ENERGY

P.O. Box 430
Reno, OH 45773
740-516-6021 Well
740-374-2940 Reno Office Jennifer
Nobel County/Jackson Township
Permit # 4037

KING EXCAVATING CO.

Advanced Waste Services
101 River Park Drive
New Castle, PA. 16101
Facility Permit # PAR000029132

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Office of Oil and Gas

NOV 1 4 2018

EQT Water Management Plan

Section V. Planned Additives to be used in Fracturing

| Material | Approximate Percentage | | |
|-----------------------|------------------------|--|--|
| Water | 95.5% | | |
| Sand | 4.2% | | |
| Friction Reducer | 0.1% | | |
| Biocide | 0.05% | | |
| Scale Inhibitor | 0.03% | | |
| 15% Hydrochloric Acid | 0.06% | | |
| Gelling Agent | 0.02% | | |
| Oxidizing Breaker | 0.0009% | | |
| Enzyme Breaker | 0.0009% | | |

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NOV 1 4 2018

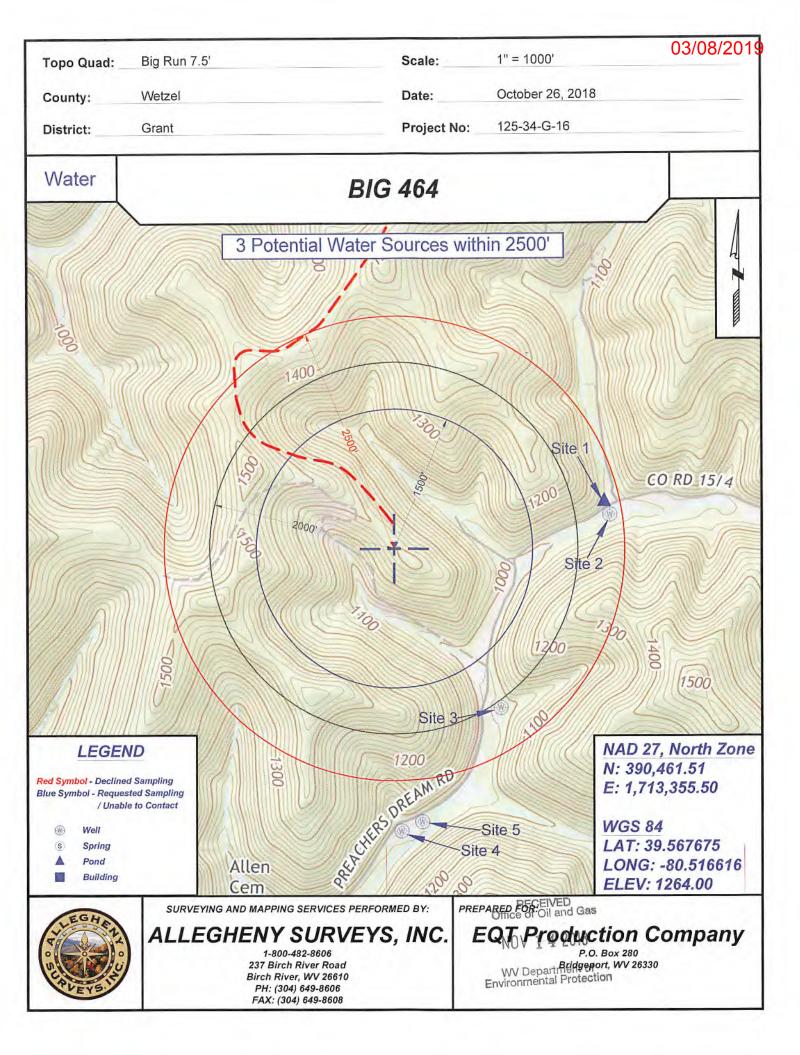




Table 1 - Water Source Identification

| Submittal Date: October 26, 2018 | | | | | | | |
|--|--|--|--|--|--|--|--|
| EQT Well Number: Survey / Engineering Company: Allegheny Surveys, Inc. | | | | | | | |
| | | | | | | | |
| et): 2,335 ± | | | | | | | |
| у | ☐ Landowner Requested | | | | | | |
| 571 Phone #: 304-777-9220 cell | Sampling Landowner Decline | | | | | | |
| ne during survey (yes/no): | Sampling ⊠ Unable to Contact | | | | | | |
| nal degrees – NAD 83) | (Further contact attempts to be made by EQT's third party | | | | | | |
| Door Hanger Left: | pre-drill sampling lab) | | | | | | |
| , 2018. Signed for by Donald D'Lusky | y. No further contact. | | | | | | |
| et): 2,367 ± | | | | | | | |
| у | ☐ Landowner Requested | | | | | | |
| Address: PO Box 495 Farmington, WV 26571 Phone #: 304-777-9220 cell Field Located Date: 12/16/2016 Owner home during survey (yes/no): | | | | | | | |
| | | | | | | Coordinates: 39.568746 , -80.508332 (decimal degrees – NAD 83) | |
| Door Hanger Left: | pre-drill sampling lab) | | | | | | |
| , 2018. Signed for by Donald D'Lusky well. | y. No further contact. | | | | | | |
| et): 2,060 ± | | | | | | | |
| arr | ☐ Landowner Requested | | | | | | |
| 7 Phone #: Cell: 681-443-0877 | Sampling □ Landowner Decline | | | | | | |
| Field Located Date: 12/16/2016 Owner home during survey (yes/no): | | | | | | | |
| Coordinates: 39.563023, -80.512462 (decimal degrees - NAD 83) | | | | | | | |
| Contact Attempts (Date): 1st: 10/2/2018 2nd: Door Hanger Left: Pre-drill: | | | | | | | |
| | Surveys, Inc. et): 2,335 ± y 571 Phone #: 304-777-9220 cell me during survey (yes/no): nal degrees – NAD 83) Door Hanger Left: et): 2,367 ± y 571 Phone #: 304-777-9220 cell me during survey (yes/no): nal degrees – NAD 83) Door Hanger Left: et): 2,367 ± y 571 Phone #: 304-777-9220 cell me during survey (yes/no): nal degrees – NAD 83) Door Hanger Left: et): 2,018. Signed for by Donald D'Lusky well. et): 2,060 ± arr 67 Phone #: Cell: 681-443-0877 me during survey (yes/no): | | | | | | |

| Site Number: 4 Distance from Gas Well (feet): 2,367 ± | |
|--|---|
| Surface Owner / Occupant: Mabel Barr | □ Landowner Requested |
| Address: 722 Barr Rd. Smithfield WV 26437 Phone #: 304-386-9650 | Sampling ☐ Landowner Decline Sampling |
| Field Located Date: 10/15/2018 Owner home during survey (yes/no): Yes Coordinates: 39.559321, -80.516238 (decimal degrees – NAD 83) Contact Attempts (Date): 1st: 10/2/2018 2nd: Door Hanger Left: | ☐ Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab) |
| Comments: Certified letter sent October 2, 2018. Received a call from Mabel's d Bucher 304-386-9650 on 10/10/2018. Called Sandy Bucher back on 10/11/2018 - brother now has a mobile home on Mabel Barr's property using a water well. F Two wells were located at Ms. Barr's home, and one at her son's mobile home, outside the 2,500 foot radius. | she said her ield visit on 10/15. |
| Site Number: 5 Distance from Gas Well (feet): 2,060 ± | |
| Surface Owner / Occupant: Mabel Barr | □ Landowner Requested |
| Address: 722 Barr Rd. Smithfield WV 26437 Phone #: 304-386-9650 | Sampling ☐ Landowner Decline |
| Field Located Date: 10/15/2018 Owner home during survey (yes/no): | Sampling ☐ Unable to Contact |
| Coordinates: 39.559605, -80.515444 (decimal degrees – NAD 83) | (Further contact attempts to be made by EQT's third party |
| Contact Attempts (Date): 1st: 10/2/2018 2nd: Door Hanger Left: | pre-drill sampling lab) |
| Comments: Certified letter sent October 2, 2018. Received a call from Mabel's d | |

Comments: Certified letter sent October 2, 2018. Received a call from Mabel's daughter, Sandy Bucher 304-386-9650 on 10/10/2018. Called Sandy Bucher back on 10/11/2018 - she said her brother now has a mobile home on Mabel Barr's property using a water well. Field visit on 10/15. Two wells were located at Ms. Barr's home, and one at her son's mobile home, both of which are outside the 2,500 foot radius.

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Office of Oil and Gas

NOV 1 4 2018



To Whom It May Concern:

Allegheny Surveys, Inc. has been contracted by EQT Production Company (EQT) to do some preliminary work for a proposed oil and gas well permit application.

In accordance with West Virginia Code 35-8-15, the West Virginia Department of Environmental Protection (WVDEP), Office of Oil and Gas, requires gas well operators to offer pre-drill water testing for existing water wells or developed springs actually used by the surface owner or water purveyor for consumption by humans or domestic animals, which are located within 1,500 feet of the proposed gas well pad. Please note that the WVDEP requires this water testing offer to a radius of 1,500 feet; however it is EQT's standard practice to conduct the water testing to a radius of 2,500 feet from the proposed gas well pad location.

EQT hereby notifies you (the surface owner and/or water purveyor) of the following:

- Your right to request sampling and analysis;
- The rebuttable presumption for contamination or deprivation of a fresh water source or supply;
- That refusal to allow the operator to conduct a pre-drilling water well test constitutes a
 method to rebut the presumption of liability;
- · Your independent right to sample and analyze any water supply at your own expense;
- . That EQT will utilize an independent laboratory to analyze any sample;
- That you can obtain from the WVDEP a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Therefore, EQT offers, at no charge to you, water testing of your water supply(s). Results of these tests will be sent to you upon our receipt from the independent testing laboratory.

Please notify <u>Allegheny Surveys</u>, <u>Inc.</u> at your earliest convenience if you are interested in having your potable water tested. Please have this letter with you at the time of contact so that the well number may be referenced.

Thank you for your cooperation in this matter.

Allegheny Surveys, Inc. 237 Birch River Road Birch River, WV 26610 (304) 649-8606

JWood@alleghenysurveys.com

Date: 10/02/2018

Left/sent by: John Wood

EQT Well Number: BIG 464

Re: Wetzel; Grant; 14-45 & 20-1 (County; District; Map; Parcels)

*If you do not have a water well or other non-public water source, please make note of it and include your name and address when you return this sheet.

| If you do not feel the need to have your water well, spring, or other non-public water source sampled the line below and return to the above address. This will signify that a sample has been offered to the and has been declined. | , please sign on e surface owner |
|--|-------------------------------------|
| Name (please print): ED WARD G. KRAYNOK Address: P.O. BOX 709 BYCK HANNON WI | 4 |
| Phone Number: 304-460-7000 Ext. 136 | RECEIVED |
| Signature: 2 dward & Krengrok Date: 10/5/18 | Office of Oil and Gas |
| | NOV 1 4 2018 |



To Whom It May Concern:

Allegheny Surveys, Inc. has been contracted by EQT Production Company (EQT) to do some preliminary work for a proposed oil and gas well permit application.

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EQT hereby notifies you (the surface owner and/or water purveyor) of the following:

- Your right to request sampling and analysis;
- The rebuttable presumption for contamination or deprivation of a fresh water source or
- That refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability;
- Your independent right to sample and analyze any water supply at your own expense;
- That EQT will utilize an independent laboratory to analyze any sample;
- That you can obtain from the WVDEP a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Therefore, EQT offers, at no charge to you, water testing of your water supply(s). Results of these tests will be sent to you upon our receipt from the independent testing laboratory.

Please notify Allegheny Surveys, Inc. at your earliest convenience if you are interested in having your potable water tested. Please have this letter with you at the time of contact so that the well number may be referenced.

Thank you for your cooperation in this matter.

Allegheny Surveys, Inc. 237 Birch River Road

Birch River, WV 26610 (304) 649-8606

JWood@alleghenysurveys.com

Date: 10/02/2018

Left/sent by: John Wood

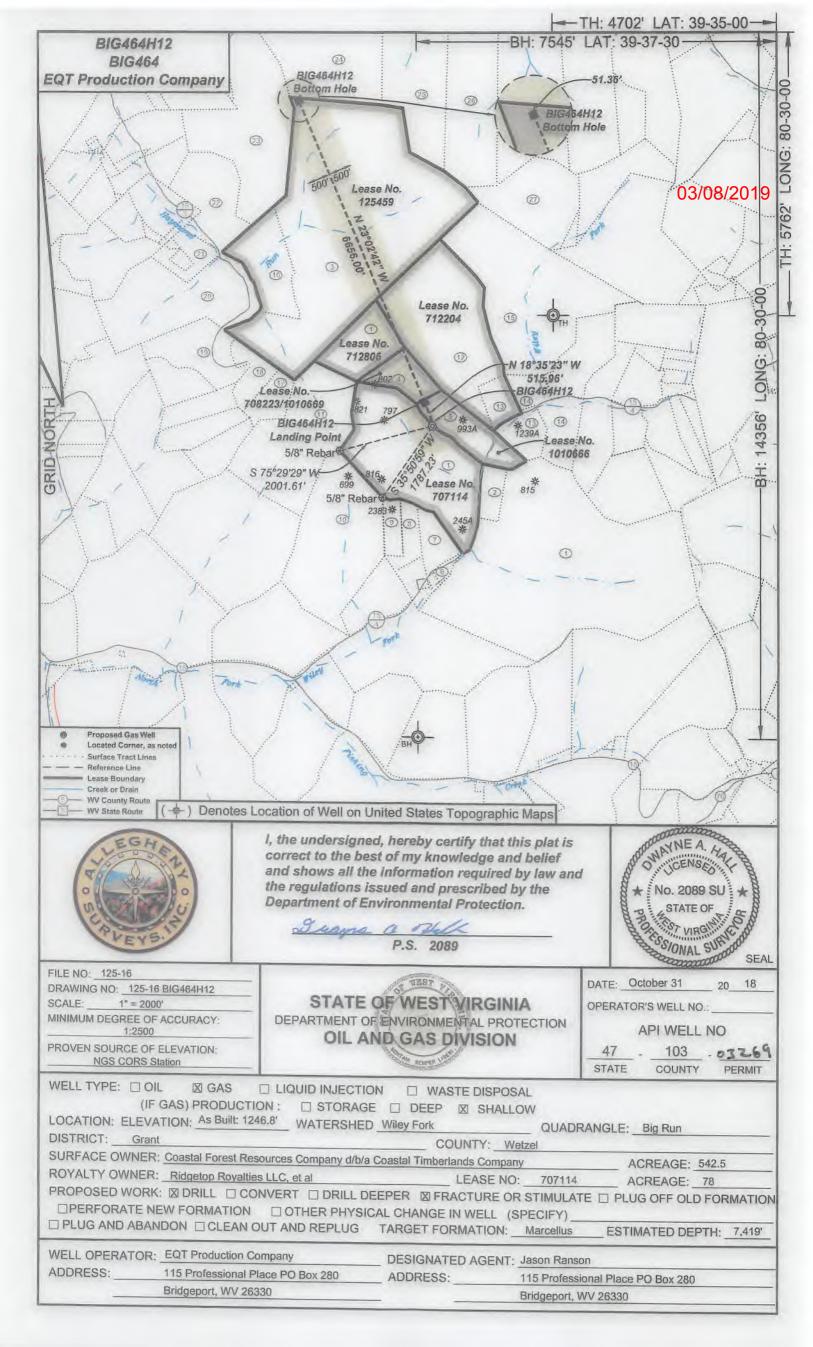
EQT Well Number: BIG 464

Re: Wetzel; Grant; 14-33

(County; District; Map; Parcels)

*If you do not have a water well or other non-public water source, please make note of it and include your name and address when you return this sheet.

| you do not feel the need to have your water well, spring, one line below and return to the above address. This will signd has been declined. | |
|--|---|
| lame (please print): Barbara L. Conaway | Address: 800 Southerly Rd. Apt. 904 Towson MD 21286 |
| Phone Number: 443-789-8100 signature: Burbara & Conswey | Date: Oct 23, 20 18 NOV 1 A 18 |



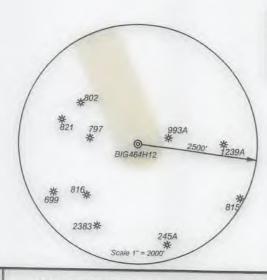
BIG464H12 BIG464 EQT Production Company

| Tract I.D. | Tax Map No. | Parcel No. | County | District | Surface Tract Owner | Acres |
|------------|-------------|------------|--------|----------|--|--------|
| 1 | 20 | 1 | Wetzel | Grant | Coastal Forest Resources Co. | 542.50 |
| 2 | 15 | 27 | Wetzel | Grant | William J. Barr | 10.00 |
| 3 | 14 | 6 | Wetzel | Grant | Coastal Lumber Co. | 332.90 |
| 4 | 14 | 27 | Wetzel | Grant | The E. Lorna Howard Trust, LLC, et al. | 22.00 |
| 5 | 14 | 34 | Wetzel | Grant | The E. Lorna Howard Trust, LLC, et al. | 25.25 |
| 6 | 19 | 13 | Wetzel | Grant | William D. & Mabel F. Barr | 2.00 |
| 7 | 14 | 45 | Wetzel | Grant | Coastal Forest Resources Co. | 11.06 |
| 8 | 14 | 44 | Wetzel | Grant | Mabel F. Barr | 11.00 |
| 9 | 14 | 43 | Wetzel | Grant | Mabel F. Barr | 11.01 |
| 10 | 14 | 42 | Wetzel | Grant | Donald J. D'Lusky | 111.00 |
| 11 | 14 | 33 | Wetzel | Grant | Atlee & Hilda Conaway | 108.00 |
| 12 | 14 | 20 | Wetzel | Grant | Elsie L. Hill Trust | 126.50 |
| 13 | 15 | 16 | Wetzel | Grant | Donald J. D'Lusky | 25.00 |
| 14 | 15 | 18 | Wetzel | Grant | Donald J. D'Lusky | 39.50 |
| 15 | 15 | 12 | Wetzel | Grant | William Bowers, et al. | 147.50 |
| 16 | 14 | 15 | Wetzel | Grant | Coastal Forest Resources Co. | 26.60 |
| 17 | 14 | 32 | Wetzel | Grant | Mary Jane Byard | 13.30 |
| 18 | 14 | 26 | Wetzel | Grant | Mary Jane Byard | 14.50 |
| 19 | 14 | 25 | Wetzel | Grant | ET Blue Grass LLC | 35.88 |
| 20 | 14 | 19 | Wetzel | Grant | Coastal Forest Resources Co. | 138.68 |
| 21 | 14 | 14 | Wetzel | Grant | Mary Yost, et al. | 21.40 |
| 22 | 14 | 5 | Wetzel | Grant | Dale K. & Sherry Dulaney | 21.50 |
| 23 | 9 | 61 | Wetzel | Grant | Jimbob's Quiet Mountain Retreat | 114.10 |
| 24 | 9 | 38 | Wetzel | Grant | Terry L. & Carolyn M. Fry | 155.08 |
| 25 | 9 | 39 | Wetzel | Grant | Coastal Forest Resources Co. | 128.00 |
| 26 | 10 | 28 | Wetzel | Grant | Coastal Forest Resources Co. | 107.00 |
| 27 | 15. | 5 | Wetzel | Grant | William Bowers, et al. | 43.20 |

UTM coordinates are NAD83, Zone 17, Meters.



| Acres | Owner |
|-------|--------------------------------|
| 32 | Ridgetop Royalties LLC, et al. |
| 22.5 | W.S. & Mary Furbee |
| 42 | W.S. Furbee, et ux. |
| 120 | T.J. Glover, et al. |
| 693 | Virginia Myers et vir., et al. |
| | 32 22,5 42 120 |



Well References

A767°31'59"

A767°31'59"

BIG464H12

BIG464H12

S5/8" Rebar

1" = 500°



Proposed Gas Well Located Corner, as noted

Surface Tract Lines Reference Line Lease Boundary

Creek or Drain WV County Route

I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

D'unge a Hall P.S. 2089

| COO | WAYNE A HA | B |
|--------|-------------------|---|
| * | No. 2089 SU | * |
| PRICIO | STATE OF VIRGINIA | S Common of the |
| B | S/ONAL SUR | SEAL |

FILE NO: _125-16

DRAWING NO: _125-16 BIG464H12

SCALE: _____1" = 2000'

MINIMUM DEGREE OF ACCURACY: ______1:2500

PROVEN SOURCE OF ELEVATION: NGS CORS Station

Bridgeport, WV 26330

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

| STATE | | COUNTY | | PER | RMIT |
|---------|------------|-----------|---|-----|------|
| 47 | 14 | 103 | | | |
| | A | PI WELL | N | 0 | |
| OPERAT | OR' | S WELL NO | | | |
| DATE: _ | October 31 | | | 20_ | 18 |

Bridgeport, WV 26330

| NGS CORS Station | SEMES THE | STATE COUNTY PERMIT |
|---|--|---|
| (IF GAS) PRODUCTION | ☐ LIQUID INJECTION ☐ WASTE DISPOS DN: ☐ STORAGE ☐ DEEP ☒ SHALLO 46.8' WATERSHED Wiley Fork | AL DW QUADRANGLE: Big Run |
| SURFACE OWNER: Coastal Forest Reserved ROYALTY OWNER: Ridgetop Royalties PROPOSED WORK: DRILL CON PERFORATE NEW FORMATION | COUNTY: We cources Company d/b/a Coastal Timberlands Compans LLC, et al LEASE NOT LEAS | ACREAGE: 542.5 707114 ACREAGE: 78 STIMULATE DPLUG OFF OLD FORMATION |
| WELL OPERATOR: EQT Production Co ADDRESS: 115 Professional Pla | mpany DESIGNATED AGENT: | |

WW-6A1 (5/13)

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

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

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

Lease Name or

Number Grantor, Lessor, etc.

Grantee, Lessee, etc.

Royalty

Book/Page

See Attached

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

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

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

Office of Oil and Gas

NOV 1 4 2018

WV Department of Environmental Protection

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:

Erin Spine

Its:

Regional Land Supervisor

| Lease No. | Grantor, Lessor, etc. | Grantee, Lessee, etc. | Royalty | Book/Page |
|----------------|--|---|---------|--------------------------------------|
| 707114 | Ridgetop Royalties LLC, et al (current royalty owner) | | ** | |
| | W S Furbee, et ux (original lessor) | Carnegie Natural Gas Company | | 2A/182 |
| | Carnegie Natural Gas Company | Carnegie Production Company | | 78A/513 |
| | Carnegie Production Company | Equitable Production-Eastern States, Inc. | | see attached merger |
| | Equitable Production-Eastern States, Inc. | Equitable Production Company | | see attached merger |
| | Equitable Production Company | EQT Production Company | | 281/346 Doddridge |
| 1010666 | Ridgetop Royalties LLC (original lessor) | EQT Production Company | ** | 166A/638 |
| 708223/1010669 | Ridgetop Royalties LLC, et al (current royalty owner) | | ** | |
| | W S Furbee, et ux (original lessor) | Carnegie Natural Gas Company | | 11A/415 |
| | Carnegie Natural Gas Company | Carnegie Production Company | | 78A/513 |
| | Carnegie Production Company | Equitable Production-Eastern States, Inc. | | see attached merger |
| | Equitable Production-Eastern States, Inc. | Equitable Production Company | | see attached merger |
| | Equitable Production Company | EQT Production Company | | 281/346 Doddridge |
| 712806 | Ridgetop Royalties LLC, et al (current royalty owner) | | ** | |
| 722000 | W S Furbee, et ux (original lessor) | Carnegie Natural Gas Company | | 21A/84 |
| | Carnegie Natural Gas Company | Carnegie Production Company | | 78A/513 |
| | Carnegie Production Company | Equitable Production-Eastern States, Inc. | | see attached merger |
| | Equitable Production-Eastern States, Inc. | Equitable Production Company | | see attached merger |
| | Equitable Production Company | EQT Production Company | | 281/346 Doddridge |
| 712204 | ET Bluegrass, LLC, et al (current royalty owner) | | ** | |
| 712204 | T. J. Glover & Daniel Glover (original lessor) | Carnegie Natural Gas Company | | 19A/380 |
| | Carnegie Natural Gas Company | Carnegie Production Company | | 78A/513 |
| | Carnegie Production Company | Equitable Production-Eastern States, Inc. | | see attached merger |
| | Equitable Production-Eastern States, Inc. | Equitable Production Company | | see attached merger |
| | Equitable Production Company | EQT Production Company | | 281/346 Doddridge |
| 135450 | Ronald Hartman, et al (current royalty owner) | | ** | |
| <u>125459</u> | Virginia Myers, et al | Equitable Gas Company | | 47A/16 |
| | Equitable Gas Company | Columbia Gas Transmission Corporation | | 64A/442 |
| | Columbia Gas Transmission Corporation | Columbia Natural Resrouces Inc | | 72A/368 |
| | , | Columbia Natural Resources LLC | | 12/622 |
| | Columbia Natural Resources Inc | Chesapeake Appalachia LLC | | 402/446 |
| | Columbia Natural Resources LLC | Statoilhydro USA Onshore Properties Inc | | 97A/578 |
| | Chesapeake Appalachia LLC (32.5%) | Antero Exchange Properties LLC | | 177A/533 |
| | Chesapeake Appalachia LLC (SWN Production Company LLC) | ů . | | 177 <i>\</i> |
| | Statoil USA Onshore Properties, Inc | Antero Exchange Properties LLC | | DD: 498/03 |
| | Antero Exchange Properties LLC | EQT Production Company | | Office of Oil and Ga |
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| | ** Per West Virginia Code Section 22-6-8. | | E | W Department of ronmental Protection |
| | | | Envi | ronmental part of |
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^{**} Per West Virginia Code Section 22-6-8.

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P. 15

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Micratilm Number Filed with the Department of State or Entity Number Secretary of the Communication ARTICLES OF MERGER-DOMESTIC BUSINESS CORPORATION In compliance with the requirements of 15 Pa.C.S. § 1926 fielding to criticles of merger or consolidation), the undersigned business corporations, depling to effect a merger hereby state that. 1. The name of the corporation surviving the merger is: EQUITABLE PRODUCTION - EASTERN STATES, INC. 2. (Check and complete one of the following): The surviving corporation is a damestic business corporation and the (a) address of its current registered office in this Commonwealth or (b) name of its commercial registered affice provider and the county of variue is (the Department is hareby authorized to correct the following information to conform to the records of the Department): Number and Shect City Slate Zo County (b) c/o: Nome of Commercial Registered Office Provider County for a corporation represented by a commercial registered office provider, the county in (b) shot be deemed the county in which the corporation is located for versus and official publication purposes. * The surviving corporation is a qualified foreign business corporation incorporated under the laws of and the (a) address of its current registered office in this Commonwealth or (b) name of its commercial registered affice provider and the county of venue is time. Department is nereby authorized to correct the following information to conform to the records of the Department): Number and Street County Zio City State LLEGHEN (b) c/o CT Corporation System Name of Commercial Registered Office Provider County For a compression represented by a commercial registered office provider, the county in (ia) shall be deemed the county in which the compression is booted for versus and official publication purposes. The turviving corporation is a nonqualified loveign business corporation incorporated under the laws of and the address of its principal office under the laws of such domiciliary justiciation is: Number and Street Stole City Zio The name and the address of the registered office in this Commonwealth or name at its commercial registered office. provider and the county of verve of each other domestic business acropation and qualified lateligh business corporation which is a party to the plan of marger are as follows: Norma of Corperation County Address of Engithered Office or Hame of Commercial Engineered Office Provider One Oxford Centre, Suite 3300, Pinsburgh, PA 15219-6401 Allegheny Carnegie Production Company PACES - IDTASS CT Symon Do Mis

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| Name of Corporation | Monney of Ado | | | | | |
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[Name of Corporation]

BY: Observed A Observed Designation of Oil and Gas (Signature)

ITMS: VP and Corporate Secretary

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Equitable Production - Rastern States, Inc.

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P.17

AGREEMENT AND PLAN OF MERGER BETWEEN EQUITABLE PRODUCTION – EASTERN STATES, INC. AND CARNEGIE PRODUCTION COMPANY

AGREEMENT AND PLAN OF MERGER, dated this 29th day of December, 2000, pursuant to Section 252 of the General Corporation Law of the Sinte of Delaware and Section 1926 of the Pennsylvania Business Corporation Law of 1938 between Equitable Production – Eastern States, Inc., a Delaware corporation and Carnegie Production Company, a Pennsylvania corporation.

WHEREAS, the constituent corporations desire to merge into a single corporation.

NOW, THEREFORE, the corporations, parties to this Agreement, in consideration of the mutual covenants, agreements and provisions hereinafter contained and intending to be legally bound, do hereby prescribe the terms and conditions of said merger and mode of carrying the same into effect as follows:

FIRST: Effective December 31, 2000, Carnegie Production Company hereby merges into Equitable Production – Eastern States, Inc. and Equitable Production – Eastern States, Inc. shall be the surviving corporation.

SECOND: The Certificate of Incorporation of Equitable Production — Eastern States, Inc. as heretofore amended and is in effect on the date of the merger provided in this Agreement, shall continue in full force and effect as the Certificate of Incorporation of the corporation surviving this merger.

THIRD: The manner of converting the outstanding shares of the common stock of each of the constituent corporations into shares or other securities of the surviving corporation shall be as follows: Each share of common stock of the surviving corporation, Equitable Production - Eastern States, Inc., which is issued and outstanding on the effective date of this Agreement, shall remain issued and outstanding. Each share of common stock of the merged corporation, Carnegie Production Company, shall be cancelled.

FOURTH: The terms and conditions of the merger are as follows:

(a) The by-laws of the surviving corporation as they shall exist on the effective date of this Agreement shall be and remain the by-laws of the Environment of surviving corporation until the same shall be altered, amended and repealed as therein provided.

Office of Oil and Gas

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- (b) The directors and officers of the surviving corporation shall continue in office until the next annual meeting of stockholders and until their successors shall have been elected and qualified.
- Upon the merger becoming effective, all the property, rights, privileges, (c) franchises, patents, trademarks, licenses, registrations and other assets of every kind and description of the merged corporation shall be transferred to, vested in and devolved upon the surviving corporation without further act or deed and all property, rights, and every other interest of the surviving corporation and the merged corporation shall be effectively the property of the surviving corporations as they were of the surviving corporation and the merged corporation respectively. The merged corporation hereby agrees from time to time, as and when requested by the surviving corporation or by its successors or assigns, to execute and deliver or cause to be executed and delivered all such deeds and instruments and to take or cause to be taken such further or other action as the surviving corporation and may deem to be necessary or desirable in order to vest in and confirm to the surviving corporation title to and possession of any property of the merged corporation acquired or to be acquired by reason of or as a result of the marger herein provided for and otherwise to carry out the intent and purposes hereof and the proper officers and directors of the merged corporation and the proper officers and directors of the surviving corporation are fully authorized in the name of the merged corporation or otherwise to take any and all such action.

IN WITNESS WHEREOF, the parties to this agreement, pursuant to the approval and authority duly given by resolutions adopted by their respective Board of Directors and stockholders have caused these presents to be executed by the officers of each party hereto as the respective act, deed and agreement of said corporations on this 29th day of December 2000.

EQUITABLE PRODUCTION -

EASTERN STATES, INC.

Alland Conserved

CARNEGIE PRODUCTION COMPANY

Office of Oil and Gas

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PENNSYLVANIA DEPARTMENT OF STATE
CORPORATION BUREAU
ROOM 308 NORTH OFFICE BUILDING
P.O. BOX 8722
HARRISBURG, PA 17105-8722

315

EQUITABLE PRODUCTION COMPANY

THE CORPORATION BUREAU IS HAPPY TO SEND YOU YOUR FILED DOCUMENT. PLEASE NOTE THE FILE DATE AND THE SIGNATURE OF THE SECRETARY OF THE COMMONWEALTH. THE CORPORATION BUREAU IS HERE TO SERVE YOU AND WANTS TO THANK YOU FOR DOING BUSINESS IN PENNSYLVANIA. IF YOU HAVE ANY QUESTIONS PERTAINING TO THE CORPORATION BUREAU, CALL (717) 787-1057.

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| The plan of merger shall be effective u | pon filing these Articles of Merger in the Department of State. |
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| X The plan of merger shall be effective o | on: <u>April 30, 2001</u> at Hour |
| | , , |
| a manner in which the olan of merger W | as adopted by each domestic corporation is as follows: |
| | Manner of Adoption |
| Name of Carporation | Adopted by Board of Directors pursuant to Sec. 1924 of the PA BCL |
| Equitable Production Company | Adopted by notified to baconing personnel |
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PA025 - 10/14/99 CT System Online

AGREEMENT AND PLAN OF MERGER

BETWEEN

EQUITABLE PRODUCTION - EASTERN STATES, INC.

AND

EQUITABLE PRODUCTION COMPANY

AGREEMENT AND PLAN OF MERGER, dated this 30th day of April 2001, pursuant to Section 251 of the General Corporation Law of the State of Delaware between Equitable Production – Eastern States, Inc., a Delaware corporation, and Equitable Production Company, a Pennsylvania corporation.

WHEREAS, the constituent corporations desire to merge into a single corporation.

NOW, THEREFORE, the corporations, parties to this Agreement, in consideration of the mutual covenants, agreements and provisions hereinafter contained, do hereby prescribe the terms and conditions of said merger and mode of carrying the same into effect as follows:

FIRST: Effective on April 30, 2001, Equitable Production Company. hereby merges into itself Equitable Production – Eastern States, Inc., and Equitable Production Company shall be the surviving corporation.

SECOND: The Articles of Incorporation of Equitable Production Company as heretofore amended and as in effect on the date of the merger provided in this Agreement, shall continue in full force and effect as the Articles of Incorporation of the corporation surviving this merger.

THIRD: The outstanding shares of the capital stock of Equitable

Office of Oil and Gas

Production – Eastern States, Inc. shall be cancelled as of the effective date of the merger

pursuant to this Agreement and no new shares issued therefor.

NOV 1 4 2018

FOURTH: The terms and conditions of the merger are as follows:

- (a) The by-laws of the surviving corporation as they shall exist on the effective date of this Agreement shall be and remain the by-laws of the surviving corporation until the same shall be altered, amended and repealed as therein provided.
- (b) The directors and officers of the surviving corporation shall continue in office until the next annual meeting of the shareholders

and until their successors shall have been elected and qualified.

(c) Upon the merger becoming effective, all the property, rights, privileges, franchises, patents, trademarks, licenses, registrations and other assets of every kind and description of the merged corporation shall be transferred to, vested in and devolved upon the surviving corporation without further act or deed and all property, rights, and every other interest of the surviving corporation and the merged corporation shall be effectively the property of the surviving corporation as they were of the surviving and the merged corporations, respectively. The merged corporation hereby agrees from time to time, as and when requested by the surviving corporation or by its successors or assigns, to execute and deliver or cause to be executed and delivered all such deeds and instruments and to take or cause to be taken such further or other action as the surviving corporation may deem to be necessary or desirable in order to vest in and confirm to the surviving corporation title to and possession of any property of the merged corporation acquired or to be acquired by reason of or as a result of the merger herein provided for and otherwise to carry out the intent and purposes hereof and the proper officers and directors of the merged corporation and the proper officers and directors of the surviving corporation are fully authorized in the name of the merged corporation or otherwise to take any and all such action.

IN WITNESS WHEREOF, the parties to this agreement, pursuant to the approval and authority duly given by resolutions adopted by their Board of Directors have caused these presents to be executed by the President of each party hereto as the respective act, deed and agreement of said corporations on this 30th day of April 2001.

| ATTEST: | EQUITABLE PRODUCTION – EASTERN STATES, INC. | Office of Oil and Gas |
|-------------------------------------|---|--|
| Corporate Secretary | By: President | Department of Fiving Indianal Protection |
| ATTEST: Joyalun Corporate/Secretary | By: President | PANY |

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COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF STATE

APRIL 30, 2001

TO ALL WHOM THESE PRESENTS SHALL COME, GREETING:

EQUITABLE PRODUCTION COMPANY

I, Kim Pizzingrilli, Secretary of the Commonwealth of
Pennsylvania do hereby certify that the foregoing and annexed is a true
and correct photocopy of Articles of Merger

which appear of record in this department

Office of Oil and Gas

IN TESTIMONY WHEREOF. I have onmental protection the Seal of the Secretary's Office to be affixed, the day and year above written.

Secretary of the Commonwealth

DPOS



October 17, 2018

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

Re: BIG464 well pad, well numbers BIG464H12, BIG464H25, Grant District, Wetzel County

Dear Mr. Brewer,

EQT Production Company is submitting an application for a new well work permit for the above well number. Upon information and belief, 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,

Erin Spine

Regional Land Supervisor

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

| Date of Notic | ce Certification: 11818 | | API | No. 47- 103 | | |
|---|--|--|---|---|---------------------------------------|--|
| | -110110 | | | ator's Well | No. BIG4 | 64H12 |
| | | | | Pad Name: | | |
| Notice has l | | | | | | The state of the last |
| Pursuant to th | ne provisions in West Virginia Co | de § 2 | 2-6A, the Operator has provided | the required | parties v | vith the Notice Forms listed |
| | tract of land as follows: | | | | | |
| State: | w | | UTM NAD 83 Easti | | | |
| County: | Wetzel | | Nort | | ,878.49 | |
| District: | Grant | | Public Road Access: | Rt. 25 | | aurana Co. Alla la Constal Timbodonda Co. |
| Quadrangle: Watershed: | Big Run Wiley Fork | _ | Generally used farm na | ime: Coast | al Forest Res | ources Co. d/b/a Coastal Timberlands Co. |
| watersned. | vviley Fork | | | | | |
| information re of giving the requirements Virginia Code of this article | ed the owners of the surface desequired by subsections (b) and (c) surface owner notice of entry to of subsection (b), section sixtee e § 22-6A-11(b), the applicant sha have been completed by the appliance of the subsection (b). |), section survent of the survent of | on sixteen of this article; (ii) that by pursuant to subsection (a), se his article were waived in writing der proof of and certify to the sec | the requirer ection ten of ng by the su cretary that t | ment was this arti rface ov he notice | deemed satisfied as a result cle six-a; or (iii) the notice wher; and Pursuant to West |
| that the Ope | rator has properly served the requect of the requect of the requery of the requer | | | | | OOG OFFICE USE ONLY |
| ☐ 1. NO | TICE OF SEISMIC ACTIVITY | | NOTICE NOT REQUIRED EISMIC ACTIVITY WAS CON | | NO | ☐ RECEIVED/ NOT REQUIRED |
| ☐ 2. NO | TICE OF ENTRY FOR PLAT SU | JRVE | Y or 🔳 NO PLAT SURVEY W | 'AS CONDU | JCTED | ☐ RECEIVED |
| ■ 3. NO | TICE OF INTENT TO DRILL | 1 | ONOTICE NOT REQUIRED INTICE OF ENTRY FOR PLATIVAS CONDUCTED or | | | ☐ RECEIVED/ NOT REQUIRED |
| | | | WRITTEN WAIVER BY SI (PLEASE ATTACH) | URFACE O | WNER | |
| ■ 4. NO | TICE OF PLANNED OPERATION | ON | | | | ☐ RECEIVED |
| ■ 5. PUE | BLIC NOTICE | | R | ECEIVED of Oil and Ga | 25 | ☐ RECEIVED |
| ■ 6 NO | TICE OF APPLICATION | | NOV | 1 4 2018 | | □ 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.

Certification of Notice is hereby given:

THEREFORE, I _________, 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
By: Erin Spine

Its: Regional Land Supervisor

Telephone: 304-848-0035

Address: 2400 Ansys Drive- Suite 200

Canonsburg PA 15317 Facsimile: 304-848-0041

Email: espine@eqt.com

NOTARY-SEAL
OFFICIAL SEAL
MOTARY PUBLIC
STATE OF WEST VIRGINIA

MOTARY PUBLIC
STATE OF WEST VIRGINIA
REBECCA L. WANSTREET'A
EQT PRODUCTION COMPANY
PO BOX 280
BRIDGEPORT, WV 26330
My contained on orginus April 07, 2020

Subscribed and sworn before me this day of November2018

Polierca S. Wanstreet

My Commission Expires 4-7-2020

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 deprivacyofficer@wv.gov.

Office of Oil and Gas

NOV 1 4 2018

WW-6A (9-13) API NO. 47- 103 - OPERATOR WELL NO. BIG 404/2019 Well Pad Name: BIG464

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

| Notic | e Time Kequiremen | t: notice shall be provide | ed no rater tha | in the ming date of permit application. | |
|---|---|---|---|---|--|
| Date Notic | | Date Permit Application | on Filed: \\ | 1त्ती8 | |
| V | PERMIT FOR ANY | CEPTIEIC | ATE OF ADD | ROVAL FOR THE | |
| | WELL WORK | | | AN IMPOUNDMENT OR PIT | |
| | WELL WORK | CONSTRU | CHON OF A | IN IMPOUNDMENT OR PIT | |
| Deliv | ery method pursuar | nt to West Virginia Cod | le § 22-6A-10 | (b) | |
| | PERSONAL [| REGISTERED | ☑ METHO | OD OF DELIVERY THAT REQUIRES A | |
| | SERVICE | MAIL | | PT OR SIGNATURE CONFIRMATION | |
| certifice registres sedimentes sedimentes the surporter operate more well vimported by the sedimentes operate record provise code | cate of approval for the ered mail or by any more ent control plan requirerface of the tract on we digas leasehold being bed in the erosion and tor or lessee, in the every coal seams; (4) The owner, if the surface transment or pit as described a water well, spring or de water for consumpt sed well work activity ection (b) of this section distribution of this article to the R. § 35-8-5.7.a require | the construction of an impose the construction of an impose the developed by section seven of this hich the well is or is propodeveloped by the proposed sediment control plan sultent the tract of land on whomers of record of the surfect is to be used for the planibed in section nine of the water supply source location by humans or domestic is to take place. (c)(1) If in hold interests in the landed to be maintained pursuate contrary, notice to a lienters, in part, that the operation | sundment or pit fires a receipt of s article, and the osed to be local d well work, if britted pursual ich the well proface tract or tra- cement, construit is article; (5) A red within one to a animals; and more than three dis, the applicant ant to section en in holder is not or shall also pri | of the application, the applicant for a permit for an a required by this article shall deliver, by personal as required by this article shall deliver, by personal articles are signature confirmation, copies of the application, the well plat to each of the following persons: (1) Thated; (2) The owners of record of the surface tract of the surface tract is to be used for roads or other land to subsection (c), section seven of this article; (3) opposed to be drilled is located [sic] is known to be cts overlying the oil and gas leasehold being develouction, enlargement, alteration, repair, removal or a any surface owner or water purveyor who is known thousand five hundred feet of the center of the well (6) The operator of any natural gas storage field we tenants in common or other co-owners of interests at may serve the documents required upon the person that the story of the story of the well site Safety Plan ("WSSP") to the states provided in section 15 of this rule. | It service or by the erosion and ne owners of record of r tracts overlying the d disturbance as) The coal owner, underlain by one or oped by the proposed abandonment of any to the applicant to pad which is used to ithin which the s described in n described in the Notwithstanding any landowner, W. Va. |
| ☑ Ap | pplication Notice | WSSP Notice □E&S | Plan Notice | ☑ Well Plat Notice is hereby provided to: | |
| | RFACE OWNER(s) | | | ☑ COAL OWNER OR LESSEE | |
| | See Attached | | | Name: See Attached | - |
| Addr | ess: | | | Address: | Office of Oil and Gas |
| Name | | | | □ COAL OPERATOR | Oil and Gas |
| Addre | | | | Names | NOV 1 1 2000 |
| Addi | | | | Address: | - 1 4 7018 |
| ПSU | RFACE OWNER(s) | (Road and/or Other Distr | urbance) | | WV Department of Environmental Protection |
| _ | : See Attached | A T. L. M. TOTAL ST. LONG. ST. ST. | | SURFACE OWNER OF WATER WELL | Protection |
| Addr | ess: | | | AND/OR WATER PURVEYOR(s) | |
| | | | | Name: See Attached | 4 |
| Name | : | | | Address: | _ |
| Addr | ess: | | | TORER ATOR OF ANTIQUES AT CASCES | OR A CE FIELD |
| - CIT | DEACE OWNER(-) | (Impoundments or Pits) | | OPERATOR OF ANY NATURAL GAS STO | |
| | : See Attached | (impoundments of Fits) | | Name:Address: | - |
| | ess: | | | nuuress. | |
| | | | | *Please attach additional forms if necessary | |

Surface Owners:

Coastal Forest Resources Co DBA Coastal Timberlands Co PO Box 709 Buckhannon WV 26201

ET Bluegrass 625 Liberty Ave Suite 1700 Pittsburgh PA 15222

Surface Owners: Access Road

Coastal Forest Resources Co DBA Coastal Timberlands Co PO Box 709 Buckhannon WV 26201

ET Bluegrass 625 Liberty Ave Suite 1700 Pittsburgh PA 15222

Robert E Tonkery 33 Tonkery Dr Fairmont WV 26554

Beverly Hickman 132 Joes Run Rd Morgantown WV 26508

Paul Glover 15861 Rt. 301 LaGrange OH 44050

Raymond Teagarden 718 Evans Run Rd Mannington WV 26582

David A Floyd & Diane E Floyd 12 Emily Ct Fairmont WV 26554

Keith & Rita Powell 3898 Buffalo Brink Rd Mannington WV 26582

Paul Able Trustee et al PO Box 54 New Martinsville WV 26155

William J & Beverly L Barr 1044 Barr Road Smithfield WV 26437

Donald & Diana White 5017 Husky Hwy Mannington WV 26582 Rich Rager 4620 Simpson Road Grafton WV 26354

Timothy E Titus 7335 Willey Fork Rd Burton WV 26562

Higgins Family Trust Billy James Higgins 531 Franklin Terrace Washington PA 15301

Surface Owners: AST

Coastal Forest Resources Co DBA Coastal Timberlands Co PO Box 709 Buckhannon WV 26201

ET Bluegrass 625 Liberty Ave Suite 1700 Pittsburgh PA 15222

Coal Owners:

CNX Land LLC
Engineering Operations Support Dept Coal
1000 Consol Energy Dr
Canonsburg PA 15317

Consol Mining Company
Engineering Operations Support Dept Coal
1000 Consol Energy Dr
Canonsburg PA 15317

Coastal Forest Resources Co DBA Coastal Timberlands Co PO Box 709 Buckhannon WV 26201

Jackson T Beatty 1408 Roblar Street Paraground AK 72450

James F Beatty Trust 314 Washington Street East Charleston WV 25301

SBK or SKB Mineral Interest LLC 3606 Pruetts Chapel Road Paraground AK 72450

Scott T Beatty 1003 St Johns Drive Charlevoix MI 49720

Ann Beatty Reynolds PO Box 5 Elkview WV 25071

Joe P Beatty Jr. 818 Cabin John Parkway Rockville MD 20852

William F Beatty 83 Cozy Mountain Lane Weaverville NC 28787 Patrick Beatty 7755 Grant Creek Road Missoula MT 59808

CNX Gas Company LLC 1000 Consol Energy Dr Canonsburg PA 15317

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

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environment of Environment

Well Location Restrictions

Environment of Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any exacting tection 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

API NO. 47- 103 OPERATOR WELL NO. BIG 4947/208/2019

Well Pad Name: BIG464

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 supply, the operator may not discontinue providing the required water supply and Gas authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

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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 be participant of the applicant's proposed well work within thirty days after the applicant's proposed well work within thirty days after the applicant's proposed well work within thirty days. comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the ental is application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

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

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.

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-Permits/Pages/default.aspx 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 declarate list of persons qualified to test water.

NOV 1 4 2018

WW-6A (8-13)

API NO. 47- 103 OPERATOR WELL NO. BIG4 403/08/2019 Well Pad Name: BIG464

Notice is hereby given by:

Well Operator: EQT Production Company

Telephone: 304-848-0035 Email: espine@eqt.com

Address: 2400 Ansys Drive - Suite 200

Canonsburg PA 15317

Facsimile: 304-848-0041

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.

OFFICIAL SEAL NOTARY PUBLIC REBECCA L. WANSTREET

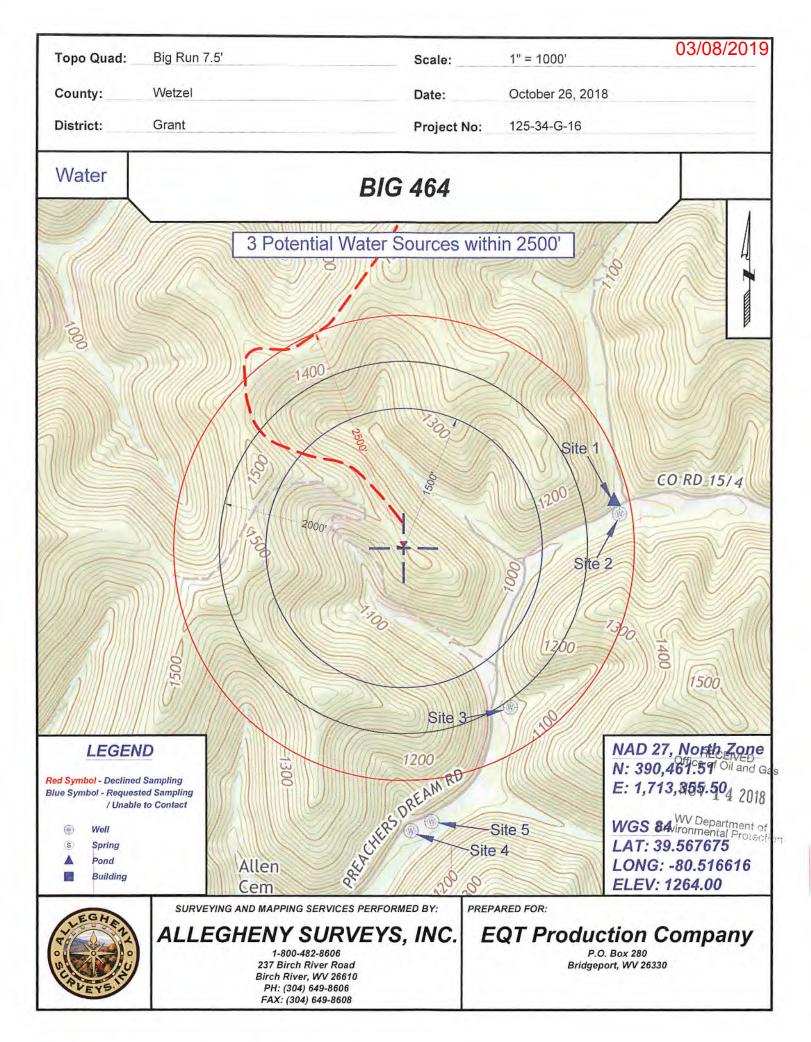
Subscribed and sworn before me this 8 day of 1000 mber 2018.

Notary Public

My Commission Expires

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NOV 1 4 2018



Surface Owners:

Coastal Forest Resources Co DBA Coastal Timberlands Co PO Box 709 Buckhannon WV 26201

ET Bluegrass 625 Liberty Ave Suite 1700 Pittsburgh PA 15222

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Surface Owners: Access Road

Coastal Forest Resources Co DBA Coastal Timberlands Co PO Box 709 Buckhannon WV 26201

ET Bluegrass 625 Liberty Ave Suite 1700 Pittsburgh PA 15222

Robert E Tonkery 33 Tonkery Dr Fairmont WV 26554

Beverly Hickman 132 Joes Run Rd Morgantown WV 26508

Paul Glover 15861 Rt. 301 LaGrange OH 44050

Raymond Teagarden 718 Evans Run Rd Mannington WV 26582

David A Floyd & Diane E Floyd 12 Emily Ct Fairmont WV 26554

Keith & Rita Powell 3898 Buffalo Brink Rd Mannington WV 26582

Paul Able Trustee et al PO Box 54 New Martinsville WV 26155

William J & Beverly L Barr 1044 Barr Road Smithfield WV 26437

Donald & Diana White 5017 Husky Hwy Mannington WV 26582 Rich Rager

4620 Simpson Road Grafton WV 26354

Timothy E Titus 7335 Willey Fork Rd Burton WV 26562

Higgins Family Trust Billy James Higgins 531 Franklin Terrace Washington PA 15301

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Surface Owners: AST

Coastal Forest Resources Co DBA Coastal Timberlands Co PO Box 709 Buckhannon WV 26201

ET Bluegrass 625 Liberty Ave Suite 1700 Pittsburgh PA 15222

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Coal Owners:

CNX Land LLC Engineering Operations Support Dept Coal 1000 Consol Energy Dr Canonsburg PA 15317

Consol Mining Company
Engineering Operations Support Dept Coal
1000 Consol Energy Dr
Canonsburg PA 15317

Coastal Forest Resources Co DBA Coastal Timberlands Co PO Box 709 Buckhannon WV 26201

Jackson T Beatty 1408 Roblar Street Paraground AK 72450

James F Beatty Trust 314 Washington Street East Charleston WV 25301

SBK or SKB Mineral Interest LLC 3606 Pruetts Chapel Road Paraground AK 72450

Scott T Beatty 1003 St Johns Drive Charlevoix MI 49720

Ann Beatty Reynolds PO Box 5 Elkview WV 25071

Joe P Beatty Jr. 818 Cabin John Parkway Rockville MD 20852

William F Beatty 83 Cozy Mountain Lane Weaverville NC 28787 Patrick Beatty 7755 Grant Creek Road Missoula MT 59808

CNX Gas Company LLC 1000 Consol Energy Dr Canonsburg PA 15317

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NOV 1 4 2018

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

VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions

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 application is filed with the secretary.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

| State: | W | UTM NAD 83 | Easting: | 541,531.55 | |
|---|---|--------------------------|--|--|--|
| County: | Wetzel | | Northing: | 4,379,878.49 | |
| District: | | Public Road Ac | | Rt. 250 | |
| Quadrangle: | | Generally used | farm name: | Coastal Forest Resources Co. d/b/a Coastal Timberlands Co | |
| Vatershed: | Wiley Fork | | | | |
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| *Dleace check | the have that applies | FO | - | | |
| | the box that applies | FO | REXECUT | ION BY A NATURAL PERSONECEIVED | |
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| SURFACE SURFACE SURFACE | CE OWNER CE OWNER (Road and/or Other Disturbance) CE OWNER (Impoundments/Pits) | Priir Dat | nature: nt Name: e: R EXECUT | NOV-1420 WV Department Environmental Proteinment of Proteinment o | |
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| SURFACE SURFACE SURFACE COAL CE COAL CE | CE OWNER CE OWNER (Road and/or Other Disturbance) CE OWNER (Impoundments/Pits) OWNER OR LESSEE | FO Cor By: Its: | nature: nt Name; e: R EXECUT npany: ET Blue Jason Ranson | WV Department Environmental Protection BY A CORPORATION, ETC. | |

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.

Operator Well No. BIG464H12 03/08/2019

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS **NOTICE OF INTENT TO DRILL**

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 Date of Notic | | d at least TEN (10) days prior to filing a Permit Application Filed: 10/22/2018 | permit application. |
|---|---|--|---|
| Delivery me | thod pursuant to West Virginia Code | e § 22-6A-16(b) | |
| ☐ HAND | CERTIFIED MAIL | | |
| DELIVE | | REQUESTED | |
| receipt reque drilling a hor of this subsec subsection m | sted or hand delivery, give the surface izontal well: <i>Provided</i> , That notice given as of the date the notice was proving be waived in writing by the surface | owner notice of its intent to enter upon to ven pursuant to subsection (a), section to ided to the surface owner: <i>Provided</i> , ho | , an operator shall, by certified mail return he surface owner's land for the purpose of en of this article satisfies the requirements wever, That the notice requirements of this lude the name, address, telephone number, or's authorized representative. |
| | reby provided to the SURFACE | | |
| Name: See Atta | ached | Name: See Attached | |
| Address: | | Address: | |
| State: County: District: Quadrangle: Watershed: | WV Wetzel Grant Big Run Wiley Fork | UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: | 541,531.55 4,379,878.49 Rt. 250 Coastal Forest Resources Co. d/b/a Coastal Timberlands Co. |
| Pursuant to 'facsimile nur related to hor | nber and electronic mail address of the rizontal drilling may be obtained from | he operator and the operator's authorize the Secretary, at the WV Department of | ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. |
| | reby given by: r: EQT Production Company | Authorized Damescantetics | |
| Well Operato Address: | | Authorized Representative Address: | Erin Spine 2400 Ansys Drive - Suite 200 Office of Oil and Gas |
| Canonsburg PA | 2400 Ansys Drive- Suite 200 | | 2400 Ansys Drive - Suite 200 - Trice Of Oil and Gas |
| Telephone: | 304-848-0035 | Canonsburg PA 15317 Telephone: | NOV 1 4 2019 |
| Email: | | Email: | 304-848-0035 |
| Facsimile: | espine@eqt.com | Facsimile: | espine@eqt.com WV Department of S104-848-0041 Environmental Protection |
| i acsimile. | 304-848-0041 | racsimile: | 304-848-0041 Environmental Protection |
| Oil and Ca | Privacy Nation | | |

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.

Surface Owners:

Coastal Forest Resources Co DBA Coastal Timberlands Co PO Box 709 Buckhannon WV 26201

ET Bluegrass 625 Liberty Ave Suite 1700 Pittsburgh PA 15222

Office of Oil and Gas

NOV 1 4 2018

Surface Owners: Access Road

Coastal Forest Resources Co DBA Coastal Timberlands Co PO Box 709 Buckhannon WV 26201

ET Bluegrass 625 Liberty Ave Suite 1700 Pittsburgh PA 15222

Robert E Tonkery 33 Tonkery Dr Fairmont WV 26554

Beverly Hickman 132 Joes Run Rd Morgantown WV 26508

Paul Glover 15861 Rt. 301 LaGrange OH 44050

Raymond Teagarden 718 Evans Run Rd Mannington WV 26582

David A Floyd & Diane E Floyd 12 Emily Ct Fairmont WV 26554

Keith & Rita Powell 3898 Buffalo Brink Rd Mannington WV 26582

Paul Able Trustee et al PO Box 54 New Martinsville WV 26155

William J & Beverly L Barr 1044 Barr Road Smithfield WV 26437

Donald & Diana White 5017 Husky Hwy Mannington WV 26582 Rich Rager 4620 Simpson Road Grafton WV 26354

Timothy E Titus 7335 Willey Fork Rd Burton WV 26562

Higgins Family Trust Billy James Higgins 531 Franklin Terrace Washington PA 15301

> RECEIVED Office of Oil and Gas

NOV 1 4 2018

Surface Owners: AST

Coastal Forest Resources Co DBA Coastal Timberlands Co PO Box 709 Buckhannon WV 26201

ET Bluegrass 625 Liberty Ave Suite 1700 Pittsburgh PA 15222

> RECEIVED Office of Oil and Gas

NOV 1 4 2018

Operator Well No. BIG464H12 03/08/2019

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

WAIVER

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.

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| Our | acc | OWILL | I VV C | IIVCI. |

I, Jason Ranson, Director Drilling-Land, hereby state that I have read the notice provisions listed above and hereby waive the notice requirements under West Virginia Code § 22-6A-16(b) for the tract of land as follows:

| State: | W | LITMANADOS | Easting: | 541,531.55 |
|-------------------|------------------------|------------------|------------|--|
| County: | Wetzel | UTM NAD 83 | Northing: | 4,379,878.49 |
| District: | Grant | Public Road Acc | cess: | Rt. 250 |
| Quadrangle: | Big Run | Generally used f | farm name: | Coastal Forest Resources Co. d/b/a Coastal Timberlands Co. |
| Watershed: | Wiley Fork | | | |
| Name: ET Blue | paraes II C | Simulatura | 1 | l_ |
| | Liberty Ave Suite 1700 | Signature: | (| 7 |
| Pittsburgh PA 152 | | Date: | /10 | -21-18 |

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.

Office of Oil and Gas

Operator Well No. BIG464H12 03/08/2019

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

| Run Py Fork I Include: Virginia Code § 22-6A-16(c), this notice by W. Va. Code § 22-6A-10(b) to a surfact and (3) A proposed surface use and compete by oil and gas operations to the extent the code to horizontal drilling may be obtained atted at 601 57th Street, SE, Charleston aspx. EQT Production Company 104-848-0035 Spine@eqt.com | shall include: (1) ce owner whose nsation agreeme damages are co | ed farm name: A copy of this eland will be unt containing an ompensable und tary, at the WV (304-926-0450) 2400 Ansys Drive- S Canonsburg PA 153 | code section; (2) sed in conjunct offer of competer article six-b of Department of or by visiting | ion with the drilling of a nsation for damages to the of this chapter. Additional Environmental Protection |
|--|--|--|--|--|
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| Run y Fork I Include: Virginia Code § 22-6A-16(c), this notice y W. Va. Code § 22-6A-10(b) to a surfa nd (3) A proposed surface use and compe y oil and gas operations to the extent the dd to horizontal drilling may be obtained ated at 601 57th Street, SE, Charleston | Generally use shall include: (1 ce owner whose nsation agreeme damages are co from the Secret | ed farm name: (A copy of this containing an ompensable und | code section; (2) used in conjunct offer of comper er article six-b of Department of | The information required ion with the drilling of a neation for damages to the of this chapter. Additional Environmental Protection www.dep.wv.gov/oil-and- |
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| | The Court of the parties of the | 12.00 12.01 | | rces Co. d/b/a Coastal Timberlands Co |
| nt | Public Road | Access: | Rt. 250 | |
| | | | - | |
| zel | UTM NAD 8 | | 4,379,878.49 | |
| surface owner's land for the purpose of dri | illing a horizonta | I well on the tra | ct of land as foll | |
| | Addres | | | |
| | Name: | | | |
| nested or hand delivery, give the surface of ation. The notice required by this subsection. The notice required by this subsection (b), section ten of this contal well; and (3) A proposed surface urface affected by oil and gas operations to quired by this section shall be given to the | wner whose land ction shall inclu- s article to a surf- use and compens the extent the da | I will be used for de: (1) A copy ace owner whos sation agreemen mages are comp | or the drilling of of this code sec e land will be us t containing an pensable under a | a horizontal well notice of ction; (2) The information sed in conjunction with the offer of compensation for rticle six-b of this chapter. |
| a. Code § 22-6A-16(c) no later than the | date for filing t | he nermit annli | cation an operat | tor shall by certified mail |
| | | | | |
| OMAIL 🔲 HA | ND | | | |
| pursuant to West Virginia Code § 22-6. | A-16(c) | | | |
| | | 111110 | | |
| | pursuant to West Virginia Code § 22-6. DMAIL CALL AND THAN THAN THE RECEIPT REQUESTED DEPARTMENT OF THE RESTRICT OF THE RES | pursuant to West Virginia Code § 22-6A-16(c) MAIL RECEIPT REQUESTED DELIVERY a. Code § 22-6A-16(c), no later than the date for filing the diested or hand delivery, give the surface owner whose land ation. The notice required by this subsection shall incluvided by subsection (b), section ten of this article to a surface affected by oil and gas operations to the extent the date quired by this section shall be given to the surface owner affected by this section shall be given to the surface owner affected in the records of the sheriff at the time of notice): Name: Address: Virginia Code § 22-6A-16(c), notice is hereby given that the surface owner's land for the purpose of drilling a horizontal code. UTM NAD 8 | pursuant to West Virginia Code § 22-6A-16(c) DMAIL RECEIPT REQUESTED DELIVERY a. Code § 22-6A-16(c), no later than the date for filing the permit appliculated or hand delivery, give the surface owner whose land will be used for ation. The notice required by this subsection shall include: (1) A copy vided by subsection (b), section ten of this article to a surface owner whose contal well; and (3) A proposed surface use and compensation agreement agreement affected by oil and gas operations to the extent the damages are compared by this section shall be given to the surface owner at the address list provided to the SURFACE OWNER(s) and in the records of the sheriff at the time of notice): Name: See Attached Address: See Surface owner's land for the purpose of drilling a horizontal well on the transparent of the surface owner's land for the purpose of drilling a horizontal well on the transparent of the surface owner's land for the purpose of drilling a horizontal well on the transparent of the surface owner's land for the purpose of drilling a horizontal well on the transparent of the surface owner's land for the purpose of drilling a horizontal well on the transparent of the surface owner's land for the purpose of drilling a horizontal well on the transparent of the surface owner's land for the purpose of drilling a horizontal well on the transparent of the surface owner's land for the purpose of drilling a horizontal well on the transparent of the surface owner's land for the purpose of drilling a horizontal well on the transparent of the surface owner's land for the purpose of drilling a horizontal well on the transparent of the surface owner's land for the purpose of drilling a horizontal well on the transparent of the surface owner's land for the purpose of drilling a horizontal well on the transparent of the surface owner's land for the purpose of drilling a horizontal well on the surface owner's land for the purpose of drilling a horizontal well on the surface owner's land for the surface owner's lan | pursuant to West Virginia Code § 22-6A-16(c) D MAIL CODE TO THAND DELIVERY Than Code § 22-6A-16(c), no later than the date for filing the permit application, an operative sted or hand delivery, give the surface owner whose land will be used for the drilling of ation. The notice required by this subsection shall include: (1) A copy of this code see vided by subsection (b), section ten of this article to a surface owner whose land will be use contain well; and (3) A proposed surface use and compensation agreement containing an reace affected by oil and gas operations to the extent the damages are compensable under a quired by this section shall be given to the surface owner at the address listed in the record provided to the SURFACE OWNER(s) and the record of the sheriff at the time of notice): Name: See Attached Address: See Statisched Surface owner's land for the purpose of drilling a horizontal well on the tract of land as foll than the purpose of drilling a horizontal well on the tract of land as foll than the purpose of drilling a horizontal well on the tract of land as foll than the purpose of drilling a horizontal well on the tract of land as foll than the purpose of drilling a horizontal well on the tract of land as foll than the purpose of drilling a horizontal well on the tract of land as foll than the purpose of drilling a horizontal well on the tract of land as foll than the purpose of drilling a horizontal well on the tract of land as foll than the purpose of drilling a horizontal well on the tract of land as foll than the purpose of drilling a horizontal well on the tract of land as foll than the purpose of drilling a horizontal well on the tract of land as foll than the purpose of drilling a horizontal well on the tract of land as foll than the purpose of drilling a horizontal well on the tract of land as foll than the purpose of drilling a horizontal well on the tract of land as foll than the purpose of drilling a horizontal well on the tract of land as foll than the purpose of drilling a ho |

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.

Surface Owners:

Coastal Forest Resources Co DBA Coastal Timberlands Co PO Box 709 Buckhannon WV 26201

ET Bluegrass 625 Liberty Ave Suite 1700 Pittsburgh PA 15222

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NOV 1 4 2018

Surface Owners: Access Road

Coastal Forest Resources Co DBA Coastal Timberlands Co PO Box 709 Buckhannon WV 26201

ET Bluegrass 625 Liberty Ave Suite 1700 Pittsburgh PA 15222

Robert E Tonkery 33 Tonkery Dr Fairmont WV 26554

Beverly Hickman 132 Joes Run Rd Morgantown WV 26508

Paul Glover 15861 Rt. 301 LaGrange OH 44050

Raymond Teagarden 718 Evans Run Rd Mannington WV 26582

David A Floyd & Diane E Floyd 12 Emily Ct Fairmont WV 26554

Keith & Rita Powell 3898 Buffalo Brink Rd Mannington WV 26582

Paul Able Trustee et al PO Box 54 New Martinsville WV 26155

William J & Beverly L Barr 1044 Barr Road Smithfield WV 26437

Donald & Diana White 5017 Husky Hwy Mannington WV 26582 Rich Rager 4620 Simpson Road Grafton WV 26354

Timothy E Titus 7335 Willey Fork Rd Burton WV 26562

Higgins Family Trust
Billy James Higgins
531 Franklin Terrace
Washington PA 15301

Surface Owners: AST

Coastal Forest Resources Co DBA Coastal Timberlands Co PO Box 709 Buckhannon WV 26201

ET Bluegrass 625 Liberty Ave Suite 1700 Pittsburgh PA 15222

Office of Oil and Gas

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions

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 application is filed with the secretary.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

| NAD 83 Easting: 541,531.55 Northing: 4,379,878.49 Road Access: Rt. 250 |
|---|
| Road Access: Bt 250 |
| |
| ally used farm name: Coastal Forest Resources Co. d/b/a Coastal Timberlands |
| |
| FOR EXECUTION BY A NATURAL PERSONNE OF C |
| |
| Signature: NOV 1 |
| |
| Date: WV Depart |
| FOR EXECUTION BY A CORPORATION, ETC. Company: ET Bluegrass LLC |
| · · · · · · · · · · · · · · · · · · · |
| By: Jason Ranson Its: Director Drilling-Land |
| n |

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 deprivacyofficer@wv.gov.



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505

Thomas J. Smith, P. E. Secretary of Transportation/ Commissioner of Highways

Jim Justice Governor

Revised November 7, 2018

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 464 Pad Site, Marion County

BIG464H12 BIG464H25

Dear Mr. Martin,

This well site will be accessed from Permit # 04-2014-0722 transferred to EQT Production Company and the haul route revised for access to the State Road. The well site is located off of Marion County Route 1 SLS.

The 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 January 3, 2012.

Very Truly Yours,

Gary K. Clayton, P.E.

Regional Maintenance Engineer Central Office O&G Coordinator RECEIVED Office of Oil and Gas

NOV 1 4 2018

WV Department of Environmental Protection

Nick Bumgardner EQT Production Company

CH, OM, D-4, File

Anticipated Frac Additives Chemical Names and CAS numbers

| Ingredient | CAS Number |
|---|--|
| | |
| | |
| | |
| Hydrotreated light petroleum distillate | 14808-60-7 |
| Tributyl tetradecyl phosphonium | |
| chloride | 64742-47-8 |
| Ammonium chloride | 81741-28-8 |
| Hydrochloric Acid | 12125-02-9 |
| Propargyl Alcohol | 7647-01-0 |
| Methanol | 107-19-7 |
| Guar Gum | 67-56-1 |
| Sodium Persulfate | 9000-30-0 |
| Potassium Carbonate | 7775-27-1 |
| | 584-08-7 |
| | Hydrotreated light petroleum distillate Tributyl tetradecyl phosphonium chloride Ammonium chloride Hydrochloric Acid Propargyl Alcohol Methanol Guar Gum Sodium Persulfate |

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Office of Oil and Gas

NOV 1 4 2018

BIG 464 WELL PAD FINAL SITE DESIGN AS-BUILT COVER SHEET/LOCATION MAPS

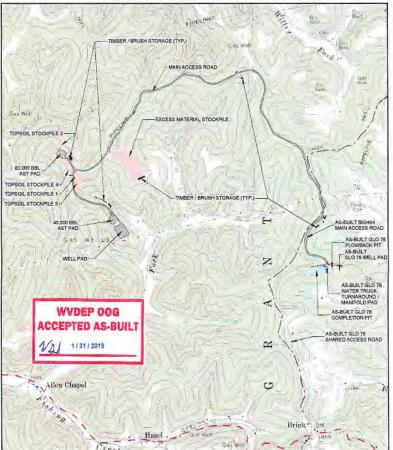




| FLOODPLAII | V COND | ITIONS | 5 |
|---|---------------|-----------------|------------|
| DO SITE CONSTRUCTON ACTIVITIES TAKE PLACE IN FLOCOPLAIN: | | | NO |
| PERMIT NEEDED FROM COUNTY FLOCOPLAIN COORDINATOR: HECRAS STUDY COMPLETED: | | | NO |
| | | | NO |
| FLOODPLAIN SHOWN ON DRAWING | is: | | NO |
| FIRM MAP NUMBER(S) FOR SITE: | 54049000650 - | 54103C0250C - 5 | 4103C0225C |
| ACREAGES OF CONSTRUCTION IN | FLOCOPLAIN: | N.A. | |

MISS Utility of West Virginia 1-800-245-4848 West Virginia State Law (Section XIV: Chapter 24-C) Requires that you call two business days before you dig in the state of West Virginia. IT'S THE LAW!!







AS-DESIGNED WELL LEGEND

BIG464H1-LAT: 39.567951 / LONG: -80.516795 LAT: 39.567919 / LONG: -80.516767 BIG464H2-LAT: 39.567887 / LONG: -80.516740 LAT: 39.567855 / LONG: -80.516712 BIG464H3-BIG464H4-BIG484H5-LAT: 39.567823 / LONG: -80.516684 LAT: 39.567791 / LONG: -80.516656 BIG464H6-BIG464H7-BIG464H8-LAT: 39.567759 / LONG: -80.516628 LAT: 39.567728 / LONG: -80.516601 BIG464H9-LAT: 39.567696 / LONG: -80.516573 LAT: 39.567664 / LONG: -80.516545 BIG464H10-BIG464H11-BIG464H12-LAT: 39.567632 / LONG: -80.516517 LAT: 39.567600 / LONG: -80.516490 47-103-03211- LAT: 39.567568 / LONG: -80.516462 47-103-03212- LAT: 39.567536 / LONG: -80.516434 BIG464H15-BIG464H16-LAT: 39.567902 / LONG: -80.516843 LAT: 39.567871 / LONG: -80.516815 BIG464H17-LAT: 39.567839 / LONG: -80.516787 LAT: 39.567807 / LONG: -80.516760 BIG464H18-LAT: 39.567775 / LONG: -80.516732 LAT: 39.567743 / LONG: -80.516704 BIG464H19-BIG464H20-BIG464H21-LAT: 39.567711 / LONG: -80.516676 LAT: 39.567679 / LONG: -80.516648 BIG464H22-BIG464H23-LAT: 39 567648 / LONG: -80 518621 BIG464H24 LAT: 39.567616/LONG: -80.516593 BIGASAH25 LAT: 39.567584 / LONG: -80.518565 47-103-03213- LAT: 39.567552 / LONG: -80.516537 47-103-03214- LAT: 39.567520 / LONG: -80.516510 47-103-03215- LAT: 39.567488 / LONG: -80.516482

SHEET INDEX

| ASBUILT MATERIAL QUANTITIES | | | | |
|-----------------------------|------------|------|------------|--|
| ITEM DESCRIPTION | DESIGN QTY | UNIT | ASBUILT QT | |
| Clearing and Grubbing | 125.43 | AC | 125,79 | |
| 12" Silt Sox | 0 | LF | 2,584 | |
| 74" Silt Sox | 19,821 | LF | 25,470 | |
| 12" Dia. HDPE Culvert/ Pipe | 0 | LF. | 73 | |
| 15" Dia, HDPE Culvert/ Pipe | 643 | FL. | 1,075 | |
| 18° Dia. HDPE Culvert/ Pipe | 342 | LF. | 560 | |
| 24° Dia. HDPE Culvert/ Pipe | 912 | LF. | 1,216 | |
| 30" Dia. HDPE Culvert/ Pipe | 315 | \F | 334 | |
| 36° Dia. HDPE Culvert/ Pipe | 0 | LF | 175 | |
| Erosion Control Matting | 139,442 | SY | 0 | |
| Straw Wattle | 21,816 | LF | 19,177 | |
| Sit Fence | 0 | LF | 790 | |
| Super Silt Fence | 358 | LF | 522 | |
| Toe Key Drain Pipe | 24,479 | LF | 25,782 | |
| Toe Key Outlet Pipe | 7,320 | LF | 13,275 | |

GLOVER SAP & BIS RUN GUADS SHOWN

| | E LOCATIONS D'BJ | |
|------------------------------|---------------------|------------|
| | LATITUDE | LEMBITSON |
| Center of Wed Flad | 39.567675 | -80.575616 |
| Senter of 60,000 BBL AST Fed | J9.575120 | -80 524345 |
| enter of 40,000 BBL AST Pad | .79.558590 | -80.517732 |
| Ste 0+00 Main Access | 39.564622 | -80.491230 |
| a 0+00 60,000 AST Access | 39 573440 | -80,522528 |
| ta: 0+00 40,000 AST Agress | 39.569724 | -80.518191 |

| GRADING VOLUMES COMPARISON TABLE | | | | | | |
|---|------------------------|-----------|--------------------------|----------|-----------|----------|
| | DESIGN GRADING VOLUMES | | AS-BUILT GRADING VOLUMES | | | |
| DESCRIPTION | CUT (CY) | FILL (CY) | NET (CY) | CUT (CY) | FILL (CY) | NET (CY) |
| MAIN ACCESS ROAD | 56,384 | 213,381 | 156,997 | 140,359 | 249,482 | -109,123 |
| WELL PAD | 258,756 | 12,463 | 246,293 | 236,590 | 10,906 | 225,684 |
| 50,000 BBL ABOVEGROUND STORAGE TANK (AST) PAD | 14,230 | 21,301 | -7,071 | 13,450 | 21,332 | -7,872 |
| 40,000 BBL ABOVEGROUND STORAGE TANK (AST) PAD | 54,516 | 2,133 | 52,383 | 54,755 | 2,602 | 52,153 |
| 40,000 BBL AST ACCESS ROAD | 11,788 | 133 | 11,655 | 9,490 | 19 | 9,471 |
| 60,000 BBL AST ACCESS ROAD | 0 | 2,594 | -2,594 | 0 | 2,976 | -2,976 |
| EXCESS MATERIAL STOCKPILE | 0 | 143,669 | -143,669 | 0 | 201,335 | -201,335 |
| TOPSOIL STOCKPILES | 62,915 | 0 | 62,915 | 62,939 | 0 | 62,939 |
| TOTAL | 458,589 | 395,674 | 62,915 | 517,593 | 488,652 | 78,941 |

As-Bush Certification

These drawings have been prepared high deniatly \$0 scan data provided by Alleghery Surveys. Inc. on 6.6.18 and reflect the locations and as-built conditions known to exist following construction of this site. To the best of my knowledge.

| DATE | REVISIONS | Date: 06/14/2018 | |
|-----------|------------------------------------|-----------------------|--|
| 10/2/2018 | ADDED AS-BUILT WELL API NUMBERS | Scale: N.A. | |
| | 110,140,000 | Designed By: TBC | |
| | | File No. 19121 CAPTAT | |
| | | Page 1.40 27 | |

gheny P.O. E Rirch 237



Hornor
Since Bros. Engineers
GOI Uning, Engineering
Canading Engineering
Canading Engineering
Constitution (200 present)

THIS DOCUMENT PREPARED FOR EQT PRODUCTION COMPANY

R SHEET/LOCATION M
SIG 464
L PAD SITE
CT WEIZEL COUNTY, W AS-BUILT COVER SE

BIC

WELL F
GRANT DISTRICT V
ANNINGTON DISTRIC

