



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
www.dep.wv.gov

May 08, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4302050, issued to CHESAPEAKE APPALACHIA, L.L.C., 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 all 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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: 4426

Farm Name: ATKINS, LOUISA

API Well Number: 47-4302050

Permit Type: Plugging

Date Issued: 05/08/2015

Promoting a healthy environment.

05/08/2015

PERMIT CONDITIONS

West Virginia Code §22-6-11 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

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

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Office of Oil & Gas

APR 13 2015

FORM WW-4 (B)
Observe
File Copy
(Rev. 2/01)

1) Date: 3/23/2014
2) Operator's Well No. 804426 P&A
3) API Well No. 47-043-02050

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

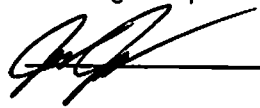
- 4) Well Type: Oil _____ Gas X Liquid injection _____ Waste disposal _____
 (Is Gas, Production X or Underground storage _____) Deep _____ Shallow X
- 5) Location: Elevation 759' Watershed Roadfork Branch of Big Laurel Creek
 District Union County Lincoln Quadrangle Hager, WV 7.5'
- 6) Well Operator Chesapeake Appalachia, L.L.C. 7) Designated Agent Jessica Greathouse
 Address P.O. Box 18496 Address P.O. Box 6070
Oklahoma City, OK 73154-0496 Charleston, WV 25362
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
 Name Ralph Triplett Name Chesapeake Appalachia, L.L.C.
 Address 5539 McClellan Highway Address P.O. Box 18496
Branchland, WV 25506 Oklahoma City, OK 73154-0496

10) Work Order: The work order for the manner of plugging this well is as follows:

See Attached Sheet

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work Order approved by Inspector



Date

4-6-15

05/08/2015

804426 P&A PROCEDURE

- 1) Prepare road and location, MIRU Service Rig
- 2) RIH to check TD in 2" approximately at 2045'
- 3) Attempt to pull 2" and packer. If unable to pull everything, attempt to cut 2" approximately at 1560', 1540' and 1520'.
 - A) If successful in pulling packer
 - a) Run W.S. as deep as possible (approximately 2000'), spot gel
 - b) Pull W.S. to 1600' or tubing cut (whichever is deeper)
 - c) Spot 150' cement plug (approximately 1600'-1450'), pull W.S. to 1390'
 - d) Spot 100' cement plug 1390'-1290', pull W.S.
 - e) Proceed to step #4
 - B) If unsuccessful in pulling packer
 - a) Cut 2" at free-point (approximately 1475') and pull
 - b) Run W.S. as deep as possible (approximately 1490')
 - c) Spot 200' cement plug 1490'-1290', pull W.S.
 - d) Proceed to step 4
- 4) RIH with tools to check top of plug. If TOC is below 1325', then reset plug.
- 5) Rip or shoot holes in 6 5/8" approximately at 1210' and 1185'.
- 6) Run W.S. to 1210', spot 100' cement plug 1210'-1110', pull W.S.
- 7) Cut 6 5/8" at free-point (approximately 725') and pull
- 8) Run W.S. to 725', spot gel
- 9) Spot 150' cement plug 725'-575', pull W.S.
- 10) RIH with tools to check top of plug. If TOC is below 625', then reset plug.
- 11) Run W.S. to 250', spot gel, pull W.S. to 200'
- 12) Spot 200' cement plug 200'-surface
- 13) Pull W.S. and top off with cement
- 14) Erect monument and reclaim as prescribed by law

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APR 13 2015



05/08/2015

UNITED FUEL GAS COMPANY

Well 804426 P&A
API 47-043-02050P

SERIAL WELL NO. 4426 LEASE NO. 34752 MAP SQUARE 30-40

| <p>RECORD OF WELL No. 9 on the Louisa Adkins Farm of 40 Acres in Carrol District Lincoln County Field, State of West Va.,</p> | <p>CASING AND TUBING</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">SIZE</th> <th style="width:35%;">USED IN DRILLING</th> <th style="width:50%;">LEFT IN WELL</th> </tr> <tr><td>16</td><td></td><td></td></tr> <tr><td>13</td><td></td><td></td></tr> <tr><td>10</td><td style="text-align: center;">32</td><td style="text-align: center;">22</td></tr> <tr><td>8 1/4</td><td style="text-align: center;">241</td><td></td></tr> <tr><td>6 5/8</td><td style="text-align: center;">1337</td><td style="text-align: center;">1337</td></tr> <tr><td>5 3/16</td><td></td><td></td></tr> <tr><td>4 7/8</td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td></tr> <tr><td>2</td><td></td><td style="text-align: center;">2066</td></tr> </table> | SIZE | USED IN DRILLING | LEFT IN WELL | 16 | | | 13 | | | 10 | 32 | 22 | 8 1/4 | 241 | | 6 5/8 | 1337 | 1337 | 5 3/16 | | | 4 7/8 | | | 4 | | | 3 | | | 2 | | 2066 | <p>TEST BEFORE SHOT</p> <p>..... of Water in..... inch 10ths. of Merc. in..... inch 10ths. Volume..... Cu. ft.</p> <p>TEST AFTER SHOT</p> <p>..... of Water in..... inch 10ths. of Merc. in..... inch 10ths. Volume 110,000 Cu. ft.</p> <p>Rock Pressure.....</p> <p>Date Shot..... May 6-1930</p> <p>Size of Torpedo 50 lbs</p> <p>Oil Flowed bbls. 1st 24 hrs.</p> <p>Oil Pumped..... bbls. 1st 24 hrs.</p> |
|--|--|--------------|------------------|--------------|----|--|--|----|--|--|----|-----------|-----------|-------|------------|--|-------|-------------|-------------|--------|--|--|-------|--|--|---|--|--|---|--|--|---|--|-------------|--|
| SIZE | USED IN DRILLING | LEFT IN WELL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 32 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 1/4 | 241 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 5/8 | 1337 | 1337 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 3/16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 7/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | 2066 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Rig Commenced 193</p> <p>Rig Completed 193</p> <p>Drilling Commenced 193</p> <p>Drilling Completed May 4th, 1932</p> <p>Drilling to cost per foot</p> <p>Contractor is: Thos Ray & Sons</p> <p>Address Owned by Superior Oil & Gas Co., Sold to United Fuel Gas Company</p> <p>Driller's Name September 2nd 1930</p> | <p style="text-align: center;">SHUT IN</p> <p>Date</p> <p>2 in Tubing or Casing</p> <p>Size of Packer 2 X 8-5/8"</p> <p>Kind of Packer Anchor</p> <p>1st Perf. Set from</p> <p>2nd Perf. Set from</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

DRILLER'S RECORD

| FORMATION | TOP | BOTTOM | THICKNESS | REMARKS |
|---------------------|------|--------|-----------|---------|
| Coal | 155 | 159 | 4 | |
| Gas Sand | 695 | 703 | 10 | |
| Salt Sand | 705 | 1125 | 420 | |
| Slate | 1125 | 1150 | 25 | |
| Maxon Sand | 1130 | 1220 | 70 | |
| Slate | 1220 | 1238 | 68 | |
| Little Lime | 1239 | 1316 | 28 | |
| Pencil Gave | 1316 | 1326 | 10 | |
| Big Lime | 1326 | 1518 | 192 | |
| Red Rock | 1518 | 1535 | 17 | |
| Big Injun Sand | 1535 | 1555 | 20 | |
| Slate | 1555 | 1708 | 153 | |
| Shells | 1708 | 1808 | 100 | |
| Slate | 1808 | 2014 | 206 | |
| Brown Shale | 2014 | 2034 | 20 | |
| Berea Sand | 2034 | 2055 | 21 | |
| Slate (Total Depth) | 2066 | | | |

Received
Office of Oil & Gas
MAR 27 2015

Gas in Berea Sand

05/08/2015

4302050P

WW4-A
Revised
2/01

1) Date: 3/23/2015
2) Operator's Well No. 804426 P&A
3) API Well No. 47-043-02050

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:
(a) Name Maggie Perl
Address 78 Maggie Lane
Sias, WV 25506

5) Coal Operator
(a) Name None

Coal Owner(s) with Declaration
(b) Name Frederick N. Adkins, Jr
Address Rebecca Napier
13 Escondido Port #126
Altamonte Spring, FL 32701

(b) Name _____
Address _____

Name WACO Oil and Gas Co., Inc.
Address P.O. Box 880
Glenville, WV 26351

(c) Name _____
Address _____

Name W. T. Black Estate
Address P.O. Box 72
Gallipolis, OH 45631

6) Inspector Ralph Triplett
Address 5539 McClellan Highway
Branchland, WV 25506

Coal Lessee with Declaration
(c) Name None
Address _____

Telephone 304-389-0350

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed the Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of the Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator: Chesapeake Appalachia, L.L.C.
By: RE Johnson
Its: Completion Superintendent
Address: P.O. Box 18496
Oklahoma City, OK 73154-0496
Telephone: 405-935-4073

Subscribed and sworn before me this 23rd day of March the year of 2015

Phyllis A. Copley Notary Public

My Commission Expires September 16, 2018

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Office of Oil & Gas
MAR 27 2015

05/08/2015

SURFACE OWNER WAIVER

Operator's Well Number 804426 P&A

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

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Office of Oil & Gas
APR 13 2015

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th Street
Charleston, WV 25304
(304) 926-0499

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) 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.

Comments must be in writing. Your comments must 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.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.
FOR EXECUTION BY A NATURAL PERSON ETC.

FOR EXECUTION BY A CORPORATION,

umaqi good 4/8/15
Signature Date

Name: _____
By: _____
Its: _____
Signature Date

4302050P

804426
API 47-043-02050

7014 2120 0003 6636 6016

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GALLIPOLIS OH 45631

| | | |
|--|---------------|-------------------|
| Postage | \$ 1.40 | 0523 |
| Certified Fee | 3.30 | 01 |
| Return Receipt Fee (Endorsement Required) | 2.70 | Postmark Here |
| Restricted Delivery Fee (Endorsement Required) | 0.00 | |
| Total Postage & Fees | \$7.40 | 03/24/2015 |

Sent To: **804426 P&A (coal)**
W. T. Black Estate
P.O. Box 72
Gallipolis, OH 45631

PS Form 3800, July 2014 See Reverse for Instructions

7014 2120 0003 6636 6026

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GLENVILLE WV 26351

| | | |
|--|---------------|-------------------|
| Postage | \$ 1.40 | 0523 |
| Certified Fee | 3.30 | 01 |
| Return Receipt Fee (Endorsement Required) | 2.70 | Postmark Here |
| Restricted Delivery Fee (Endorsement Required) | 0.00 | |
| Total Postage & Fees | \$7.40 | 03/24/2015 |

Sent To: **804426 P&A (coal)**
WACO Oil and Gas Co., Inc.
P.O. Box 880
Glenville, WV 26351

PS Form 3800, July 2014 See Reverse for Instructions

7014 2120 0003 6636 6030

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ALTAMONTE SPRINGS FL 32701

| | | |
|--|---------------|-------------------|
| Postage | \$ 1.40 | 0523 |
| Certified Fee | 3.30 | 01 |
| Return Receipt Fee (Endorsement Required) | 2.70 | Postmark Here |
| Restricted Delivery Fee (Endorsement Required) | 0.00 | |
| Total Postage & Fees | \$7.40 | 03/24/2015 |

Sent To: **804426 P&A (coal)**
Frederick N Adkins, Jr
Rebecca Napier
13 Escondido Port #126
Altamonte Spring, FL 32701

PS Form 3800, July 2014 See Reverse for Instructions

7014 2120 0003 6636 6034

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BRANCHLAND WV 25504

| | | |
|--|---------------|-------------------|
| Postage | \$ 1.40 | 0523 |
| Certified Fee | 3.30 | 01 |
| Return Receipt Fee (Endorsement Required) | 2.70 | Postmark Here |
| Restricted Delivery Fee (Endorsement Required) | 0.00 | |
| Total Postage & Fees | \$7.40 | 03/24/2015 |

Sent To: **804426 P&A (surface)**
Maggie Perl
78 Maggie Lane
Sias, WV 25506

PS Form 3800, July 2014 See Reverse for Instructions

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Office of Oil & Gas
MAR 27 2015

05/08/2015

4302050P

Form WW-9
Rev. 02/01

API Number 47-043-02050
Operator's Well No. 804426 P&A

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Chesapeake Appalachia, L.L.C. OP Code 494477557
Watershed Roadfork Branch of Big Laurel Creek Quadrangle Hager, WV 7.5'
Elevation 759' County Lincoln District Union

Description of anticipated Pit Waste: Plugging Returns/Cement

Will a synthetic liner be used in the pit? Yes 20 ML

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Swabbing
- Plugging
- Other (Explain _____)

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on December 31, 1999, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto 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 or imprisonment.

Company Official Signature *Rob Schindler*

Company Official (Typed Name) Rob Schindler

Company Official Title Completion Superintendent

Subscribed and sworn before me this 23rd day of March, 2015.

Phyllis A. Copley Notary Public.

My Commission Expires September 16, 2018

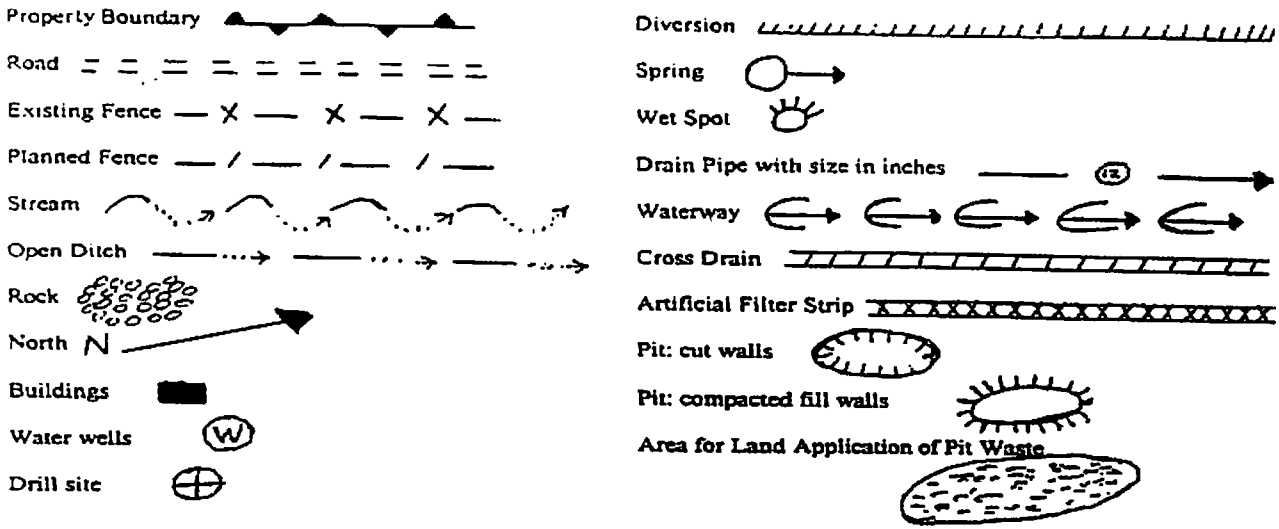


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05/08/2015
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Attachment #1

API #: 47-043-02050
 Operator's Well No. 804426 P&A

LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1.0 Prevegetation pH 6.1
 Lime 3 Tons/acre or to correct to pH 6.5
 Fertilizer (10-20-20 or equivalent) 1/3 TON lbs/acre (500 lbs minimum)
 Mulch Hay 2 Tons/acre

Seed Mixtures

| Area I | | Area II | |
|-----------------------------|----------|---------------|----------|
| Seed Type | lbs/acre | Seed Type | lbs/acre |
| CHESAPEAKE CONTRACTOR'S MIX | 40 | ORCHARD GRASS | 15 |
| ALSIKE CLOVER | 5 | ALSIKE CLOVER | 5 |
| ANNUAL RYE | 15 | | |

Attach:
 Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Title: inspector OOG

Date: 4-6-15

Field Reviewed? () Yes () No

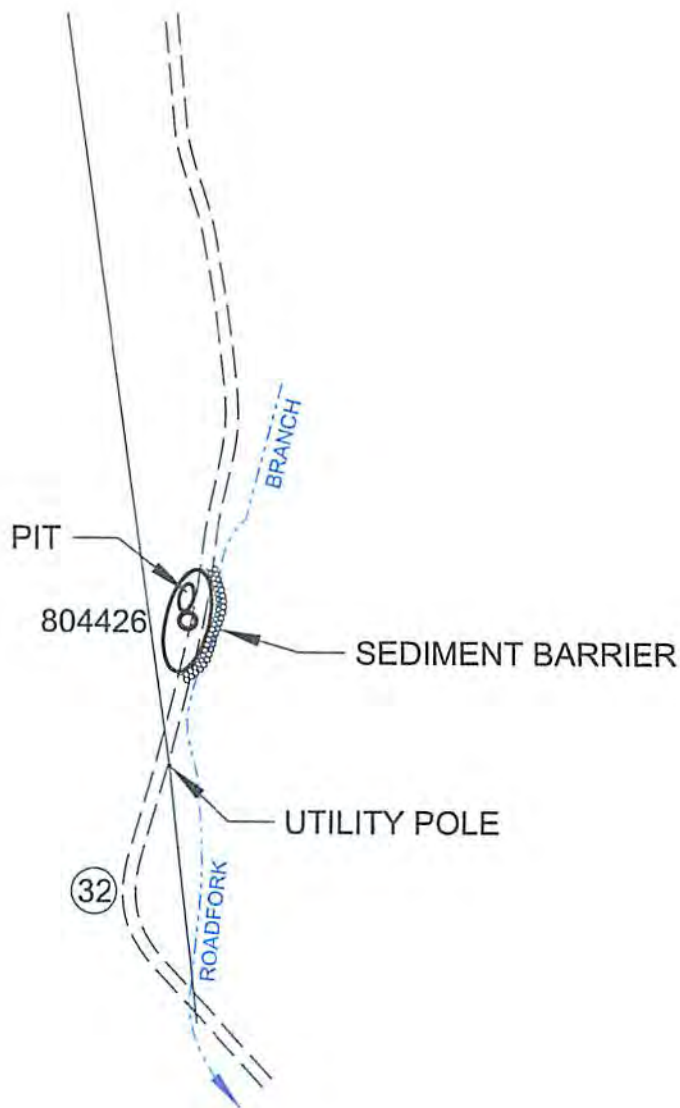
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 APR 13 2015

4302050P

CHESAPEAKE APPALACHIA, L.L.C.

RECLAMATION DIAGRAM
WELL LOCATION 804426

API 47-043-02050



GENERAL NOTES

This drawing is a schematic representation of the well site and access road. Proposed structures such as well site, drilling pit, roadways, culverts, sediment barriers, etc. are shown in approximate pre-planning configurations.

All culvert pipes will be a minimum of 15 inches in diameter. All culvert pipes installed will be accompanied by an entrance sump with dimensions no less than 3 feet (width) x 3 feet (length) x 4 feet (deep). Culverts will be installed at an angle to ensure proper flow. The outfall of culverts will be protected from erosion and sedimentation using large rocks or other sediment controls deemed necessary in the prevention of erosion and sedimentation. Storm water from the ditches to the culverts will be directed to stable natural vegetative areas. Where culverts are not practical, operator will have other sediment control in place to minimize erosion sedimentation.

Cross drains, broad based dips, water bars, and diversion ditches, will be employed during the construction phase. These erosion and sediment control structures will be used to control erosion and sedimentation during the construction phase, where applicable, and in areas that will allow. These structures will be considered permanent and used as such.

Permanent seeding: See Attachment #1.

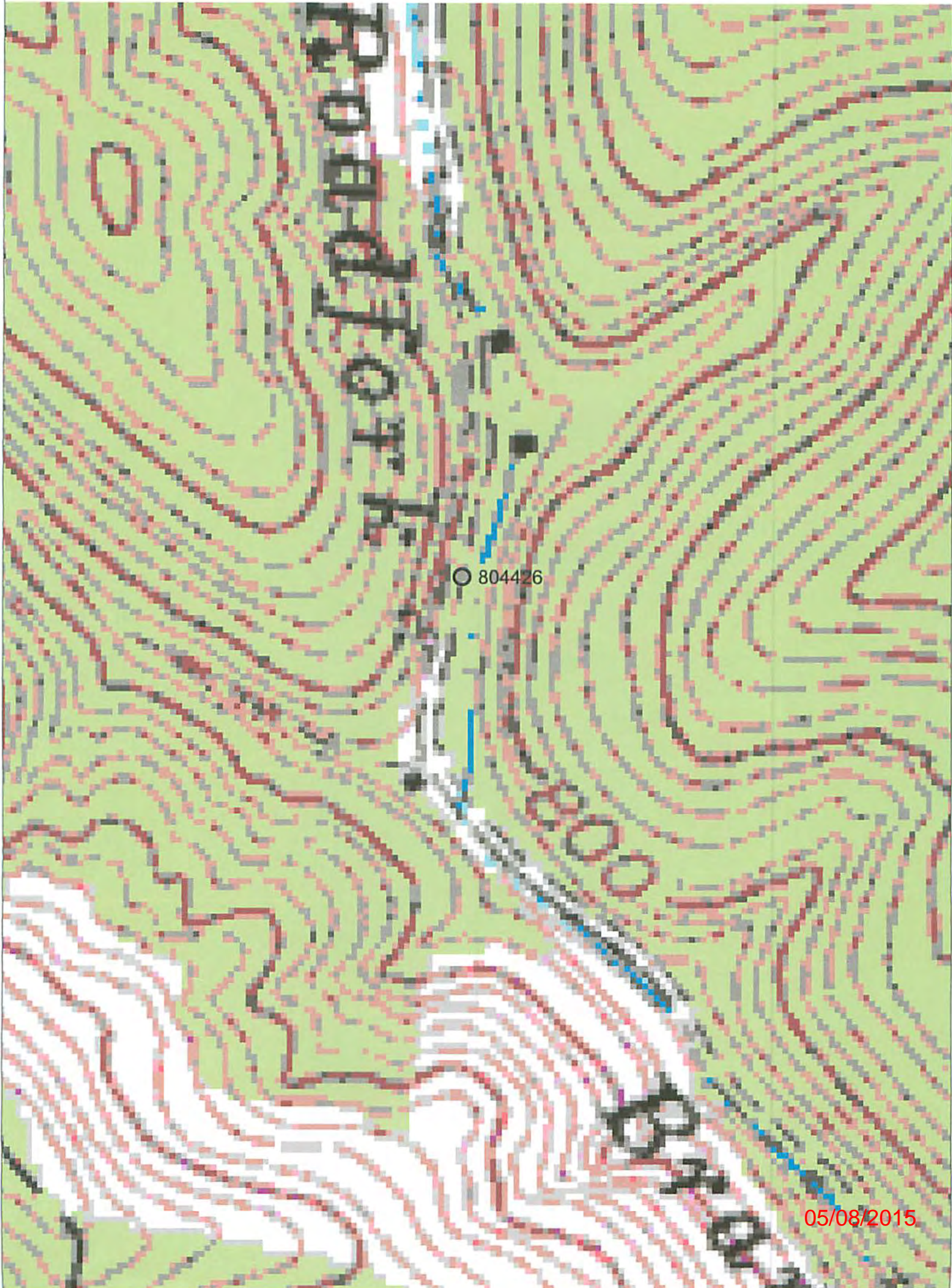
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Office of Oil & Gas
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CHESAPEAKE APPALACHIA, L.L.C.

4302050 P

TOPOGRAPHICAL MAP OF ACCESS AND
WELL LOCATION 804426

API 47-043-02050



05/08/2015

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Office of Oil & Gas

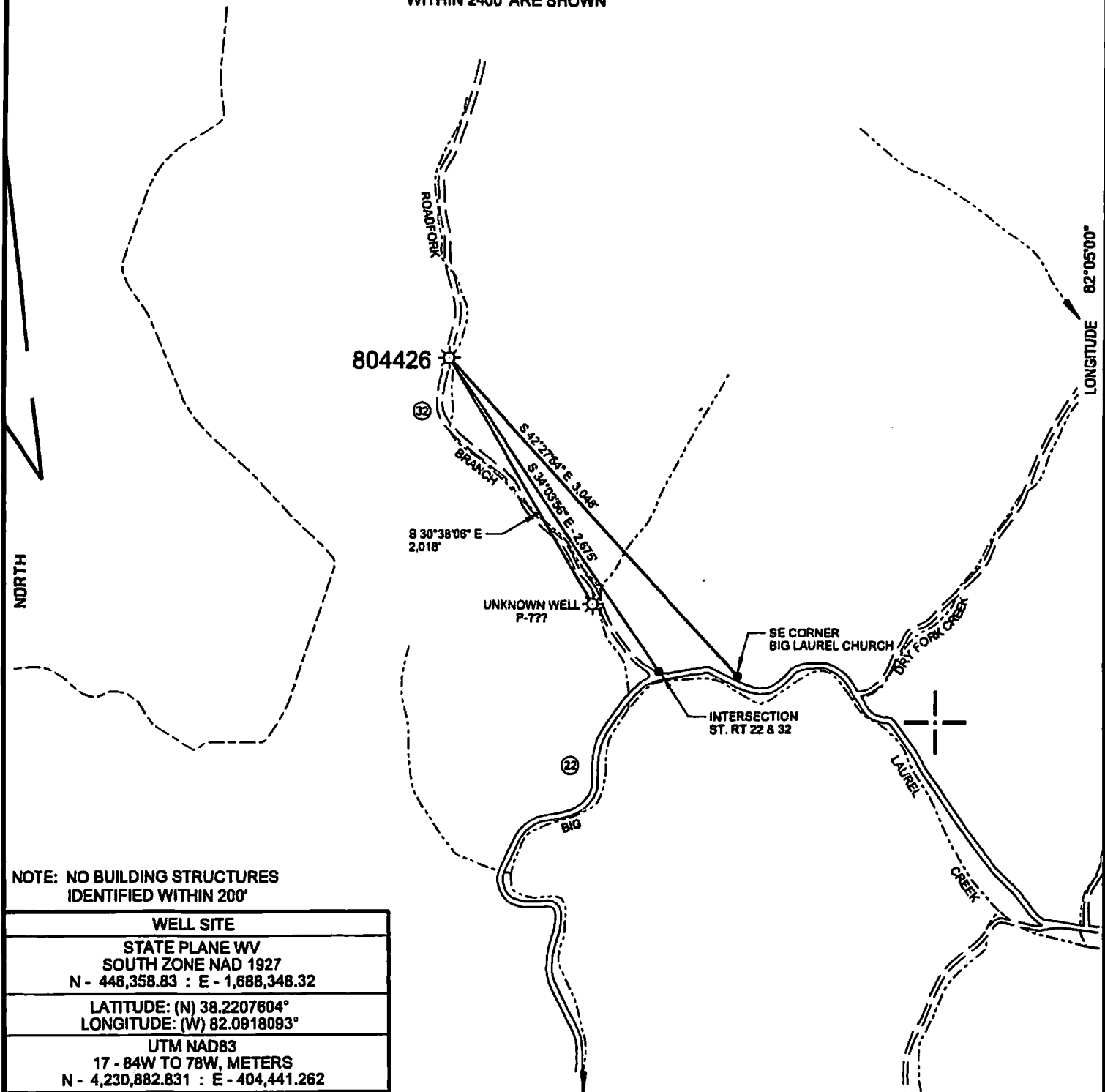
11:29 7 2015

CHESAPEAKE ENERGY CORPORATION - EASTERN DIVISION
P.O. BOX 579 - 8165 COURT AVENUE - HAMLIN, WV 25523
304 824-5141 - FAX 304 824-2247

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

LATITUDE 38°15'00"

2,432'



NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

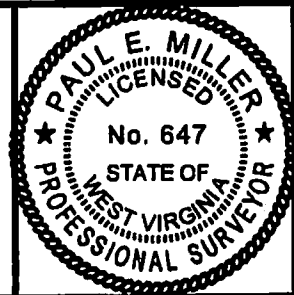
| |
|---|
| WELL SITE |
| STATE PLANE WV SOUTH ZONE NAD 1927 N - 446,358.83 : E - 1,688,348.32 |
| LATITUDE: (N) 38.2207604° LONGITUDE: (W) 82.0918093° |
| UTM NAD83 17 - 84W TO 78W, METERS N - 4,230,882.831 : E - 404,441.262 |

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

| | |
|----------------------------|-------------------|
| FILE NO. | 804426 P&A.DGN |
| DRAWING NO. | 804426 P&A |
| SCALE | 1" = 1000' |
| MINIMUM DEGREE OF ACCURACY | 1:200 |
| PROVEN SOURCE OF ELEVATION | MAPPING GRADE GPS |

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.

(SIGNED) *Paul E. Miller*
 R.P.E. _____ L.L.S. _____ 647



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



DATE FEBRUARY 27, 20 15
 OPERATOR'S WELL NO. 804426
 API WELL NO.

47 043 02050 P
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW

LOCATION: ELEVATION 759' WATER SHED ROADFORK BRANCH OF BIG LAUREL CREEK

DISTRICT _____ UNION _____ COUNTY LINCOLN

QUADRANGLE HAGER, WV 7.5'

SURFACE OWNER MAGGIE PERL ACREAGE 40

OIL & GAS ROYALTY OWNER _____ LEASE ACREAGE 40

LEASE NO. 1034752

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG ___

TARGET FORMATION _____ ESTIMATED DEPTH _____

WELL OPERATOR CHESAPEAKE APPALACHIA, L.L.C. DESIGNATED AGENT JESSICA GREATHOUSE

ADDRESS P.O. BOX 18496, OKLAHOMA CITY, OK 73154-0496 ADDRESS CHESAPEAKE APPALACHIA, L.L.C. PO BOX 6070, CHARLESTON, WV 25362

FORM WW-6

COUNTY NAME

PERMIT

05/08/2015

