

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

August 05, 2014

WELL WORK PERMIT Re-Work

This permit, API Well Number: 47-4300518, 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days 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.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-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) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: 461

Farm Name: HUNTINGTON DEV & GAS

API Well Number: 47-4300518 Permit Type: Re-Work

Date Issued: 08/05/2014

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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

CONDITIONS

- 1. 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 § 22-6-20, 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 fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 2. Pursuant to 35 CSR § 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
- 3. Pursuant to 35 CSR § 4-19.1.c, if the operator is unable to sample and analyze any water well or spring within one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
- 4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 5. 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.
- 6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
- 7. Well work activities shall not constitute a hazard to the safety of persons.
- 8. This permit is being conditioned to address the possibility of flooding in the area of this well. Any tanks stored on this location must be securely anchored in cement to prevent the loss of tanks should a flood occur. In addition, cages must be placed around the well head to prevent debris from damaging the well head.

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION 203

| 1) | Well Operator CHESAPEAKI | E APPALACHIA, L.L.C. | 494477557 | Lincoln | Laurel Hill | Branchland, WV |
|----|--------------------------|----------------------|-------------|----------|-------------|----------------|
| | | | Operator ID | County | District | Quadrangle |
| 21 | Operators Well Number: | POEACA MO | 2 | Liquatio | n: 1110 | |

2) Operators Well Number: 805461 WO 3) Elevation: 1118'

4) Well type: (a) Oil ___ or Gas X

(b) If Gas: Production X Underground Storage ___ Deep ___ Shallow X

5) Proposed Target Formation(s): <u>Injun/ Big Lime</u> Proposed Target Depth: <u>1558' – 1766'</u>

6) Proposed Total Depth: 1900' Formation at proposed Total Depth: Slate and Shells

7) Approximate fresh water strata depths: Behind Existing Casing

8) Approximate salt water depths: 950'

9) Approximate coal seam depths: 108'

10) Approximate void depths, (coal, Karst, other): None Known

11) Does land contain coal seams tributary to active mine? No

12) Proposed Well Work: <u>See Attached Well Workover Procedure</u>

13) CASING AND TUBING PROGRAM

| TYPE | | SPECIFICATIONS | | | FOOTAGE INTERVALS CEMENT | | | |
|--------------|--------|----------------|-------------------|-----------------|--------------------------|---------------------|--|--|
| | SIZE | GRADE | WEIGHT PER FT. | FOR DRILLING | LEFT IN WELL | FILL-UP (CU.FT.) | | |
| Conductor | 10° | | | 21 | 21 | Existing Casing | | |
| Fresh Water | | | | | | | | |
| Coal | 8 1⁄4" | | | 331 | 331 | Existing Casing | | |
| Intermediate | 6 5/8" | | | 1579 | 1579 | Existing Casing | | |
| Production | 4 1/2" | М | 9.5 | | 1900 | 65 | | |
| Tubing | 2 3/8" | J | 4.6 | AS | NEEDED | | | |
| Lining | | | | | | | | |

PACKERS: Kind Hookwall

Sizes 4 1/2" x 6 1/4"

Depths set Approximately 1900

RAT 07/07/14

RECENS 08/2014
Office of Oil and Gas

JUL 0 8 2014

API: 47-043-00518 W

805461 Workover Procedure

- Safety first! Hold PJSA before all jobs.
- 2) Use slickline unit to verify tools will go to at least 1825'
- Run open hole logs and evaluate to be sure project is economic (Repair road if needed to MIRU OHL unit).
- 4) MIRU Service Rig, run tools to check TD
- 5) Run 4 1/2" casing with appropriate float equipment to approximately 1850'
- 6) Cement 4 1/2" casing from shoe to approximately 1375', WOC
- 7) Run cement bond log, swab & perforate
- 8) MIRU pumping company and stimulate zone or zones as determined from OHL evaluation
- 9) Flow back well starting with 3/8" choke and increasing size as needed
- 10) Finish clean up, check TD, record final openflow and final rock pressure
- 11) Reclaim and turn in line

ROT 07/07/14

08/08/2014

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Office of Oil and Gas

JUL 0 8 2014

84-10



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS DIVISION

Well 805461 WO API 47-043-00518W Page I of I

Permit No. LIN-518

WELL RECORD

Oil or Gas Well GAS

| | | | | | | | (KIND) |
|--|-------------|---------------------|--|--|----------------------|----------------------------------|--|
| O1 1 | | as Company | | Casing and | Used in | Left in | Packers |
| Audress | Leston, W | | | Tubing | Drilling | Well | rackers |
| Farm Huntingto | | | Acres 17,695.87 | Size | | | |
| Location (waters)_ | Niue Wil | e Creek | 1 150 P | 16 | | | Kind of Packer |
| Well No. 5461 | 1 8411 | Tilma | Elev. 1,150 B. | 13 | | | - Kind of Packer |
| | | _County_Line | | 70. | 21 | 21 | 1 |
| The surface of trac | | V. 7. 12 p | | 81/4 | 331 | 331 | Size of |
| Mineral rights are | | Addressntington Dev | | 6% | 1579 | 1579 | Depth set |
| mineral rights are | | AddressCharle | | 53/16 | | -217 | Depth set |
| Drilling commenced | 4 44 | 1.1. | | 3 | | | Perf. top |
| Drilling completed_ | 222 | | | 2 | | | Perf. bottom |
| Date Shot12-14-4 | | 3204 T | 3549 | Liners Used | | | Perf. top |
| With 3300# I | etonite | | | | | | Perf. bottom |
| Open Flow 20 / | 10ths Water | in | 2 Inch | | | | |
| /: | 10ths Merc. | in | Inch | CASING CEME | NTED | SIZE | No. Ft. Dat |
| Volume | 7 00 | | Cu. Ft. | | | | |
| Rock Pressure | 185 | lbs | | COAL WAS EN | COUNTEDED | AT 108 | FEET 48 INCHES |
| | | | bbls., 1st 24 hrs. | | | *** | - GD2 - INOITE |
| Fresh water | | | feet | | INCI | | FEETINCHE |
| Salt water | | feet | feet | FEET | INC | HES | FEETINCHE |
| Formation | Color | Hard or Soft | Тор | Bottom | Oil, Gas or Water | Depth Found | Remarks |
| Surface Slate Sand Slate Coal Sand Slate & Shell Sand Slate & Shell Sand Slate Lime Shell Little Lime Pencil Cave Big Lime Break Injun Sand Slate & Shell Blue Slate Coffee Shale Berea Sand Slate & Shell | s | | 0 18 30 42 108 112 140 160 195 230 325 375 400 435 455 540 590 845 920 1008 1011 1275 1289 1332 1335 1349 1528 1554 1558 1726 1728 1766 2111 2310 2323 | 18 30 42 108 112 140 160 195 230 325 375 400 435 455 540 590 820 845 920 1008 1011 1275 1289 1332 1335 1349 1528 1554 1558 1726 1728 1766 2111 2310 2323 2342 | Gas | REC 1862-169 JUL WV Dec | EIVED 0i08/08/2014 0i08/08/2014 0 8 2014 artment of the protection |

| Color | Hard or Soft | Тор | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|-------|-----------------|--|--|--|--|--|
| | | | | | WILL 809 API 47 | 5461 WO -043-005, Page 272 |
| | | 2700 2770 2837 3036 3205 3535 3550 | 2770 2837 3036 3205 3535 3550 | G4s | 3420, 3480 | |
| | | | | | | |
| | | | | | | |
| | | | | | 301 085 | 2014 |
| | Color | Color Soft | 2700 2770 2837 3036 3205 3535 3535 3550 | 2700 2770 2770 2837 2837 3036 3036 3205 3205 3535 3535 3550 | 2700 2770 2770 2837 2837 3036 3036 3205 3205 3535 3535 3550 | 2700 2770 2770 2837 2837 3036 3036 3205 3205 3535 3535 3535 3550 3550 3550 |

Environment of Protection 194. APPROVED UNITED FUEL CAS CO! PANY , Owner By (Title) Engineer &

| WW-2A (Rev. 6-07) | 1). Date: | June 19 | 2014 | | |
|----------------------|--|---------|--------------|---------------|----------------------|
| V.10.1 2 4.1 | 2.) Operator's | 's Well | Number | 8054611 | NO API: 47-043-00518 |
| | 3.) API Well i | No.: | State 47- | County 043 | Permit - 00513 |
| | STATE OF WEST VIRGINIA RONMENTAL PROTECTION APPLICATION FOR A WELL | , OFFI | | | GAS |

| (a) Name | mer(s) to be served: | (a) Coal Op | erator |
|---|---|--|--|
| | Heartwood Forestand Group | Name | None |
| Address | CAO Craig Kaderavek, 19045 Stone Mountain Ro | ad Address | |
| | Abingdon, VA 24210 | | |
| (b) Name | Lois Adiáns | (b) Coal O | wner(s) with Declaration |
| Address | 293 Nine Mile Creek | Name | Pocahontas Land Corp. |
| | Middelf, WV 25540 | Address | 800 Princeton Avenue |
| | 3 | | Bluefield, WV 24701 |
| (c) Name | Bryan and Lita Stevens | Name | |
| Address | P.O. 80x 473 | Address | |
| | Hamlin, WV 25523 | | |
| 6) Inspector | Raiph Triplett | (c) Coal Le | essee with Declaration |
| Address | 5539 McClesan Highway | Name | None |
| | Branchland, VVV 25506 | Address | |
| Telephone | 304-389-0350 | | |
| | TO THE PERSONS NA | MED ABOVE T | AKE NOTICE THAT: |
| Included is th | e lease or leases or other continuing | contract or contra | acts by which I hold the right to extract oil and gas |
| OR | | | and by miner meta and right to extract on and gas |
| = | Personal Service (Affidavit attac | ched) | ugh on the ebove named parties by: |
| I certify uthis application for obtaining the info | application, inder penalty of law that I have pers orm and all attachments, and that ba imation, I believe that the information re that there are significant penalties | on attached) d 35 CSR 4, and conally examined ased on my inquir is true, accurate for submitting fal | I agree to the terms and conditions of any permit and am familiar with the information submitted on y of those individuals immediately responsible for and complete. |
| I certify under this application for obtaining the info | Publication (Notice of Publication and understand Chapter 22-6 and application, application, and that I have personn and all attachments, and that be mation, I believe that the information re that there are significant penalties Well Operator | on attached) d 35 CSR 4, and conally examined ased on my inquir i is true, accurate | I agree to the terms and conditions of any permit and am familiar with the information submitted on y of those individuals immediately responsible for and complete. |
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| Issued under this I certify this application to obtaining the info I am awaimprisonment. | Publication (Notice of Publication and understand Chapter 22-6 and application, application, ander penalty of law that I have personn and all attachments, and that barmation, I believe that the information re that there are significant penalties Well Operator By: Its: Address Telephone worn before me this 30 44 day of Hughl | on attached) d 35 CSR 4, and conally examined ased on my inquir is true, accurate for submitting fal Chesapeske Appolach Menager - Operasons, P.O. Box 18496 Oktohoma City, OK 73 405-935-4073 | and am familiar with the information submitted on y of those individuals immediately responsible for and complete. Se information, including the possibility of fine and including the |

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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 of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@ww.qov RECEIVED

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Well 805461 WO API 47-043-00518W



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08/08/2014

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Office of Oil and Gas

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WW-2A Surface Waiver

4300 518W

SURFACE OWNER WAIVER

| County | 043-Lincoln | Operator | Chesapeake Appalachia, L.L.C. |
|--------|-------------|----------------------|-------------------------------|
| | | Operator well number | 805461 WO API: 47-043-00518 |

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (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.

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 St. SE Charleston, WV 25304 (304) 926-0450

<u>Time Limits and methods for filing comments.</u> The law requires these materials to be served on or before the date the operator files his Application. You have FIFTEEN (15) 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 a dequate 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.

<u>Comments must be in writing.</u> 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.

<u>List of Water Testing Laboratories.</u> The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

<u>VOLUNTARY STATEMENT OF NO OBJECTION</u>

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 Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through _____ including a work order on F orm WW2-B, a s urvey plat, and a s oil and erosion plan, all for proposed well work on my surface land as described therein.

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 NATURA | FOF | FOR EXECUTION BY A CORPORATION, ETC. HEARTWOOD FORESTLAND FUNDIT, L.P. | | | |
|---------------------------------------|-------------|--|-------------------|-----------------------------------|--|
| •• | Date | Company Name | By: Heartwood Fo | restland Advisors LLC, | |
| Signature | | REGISIVED | By: The Forestian | d Group, LLC, its Manager Date | |
| · · · · · · · · · · · · · · · · · · · | | Office of Oil and | Gas | 4. | |
| Print Name | | JUL 2 9 2014 - | Signature | Negant Direction | |

WW-2A1 (Rev. 1/11)

Operator's Well Number 805461 WO API: 47-043-00518

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6, Section 8(d) 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, 1 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:

| Grantor, Lessor, etc. | Grantee, Lessee, etc. | <u> </u> | Royalty | Book/Page |
|----------------------------|--------------------------|----------|---------|-----------|
| Huntington Gas Development | Chesapeake Appalachia, I | LLC | 1/8 | 234 / 318 |

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 he reby a cknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP. Office of Oil and Gas, including but not limited to the following:

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

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

> Well Operator: By:Its:

Chesapeake Appalachia, L.L.C.

Manager - Operations, Appalachia South

REGEIVED Office of Oil and Gas

JUL 0 8 2014

WW-9 (5/13)

| | Page of |
|---------------------|-------------------------------|
| API Number 47 - 043 | - 00518 |
| Operator's Well No | D. 805461 WO APE 47-043-00518 |

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

CH 5/65059

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

| Operator Name Chesapeake App | palachia, L.L.C. | OP Code 49447755 | 7 |
|--|--|--|--|
| | | | |
| Watershed (HUC 10) Ninemile | Creek of Guyan River Q | uadranglebranchiano, WV 7.5 | |
| Elevation 1118' | County 043-Lincoln | District Lawel HE | <u> </u> |
| | an 5,000 bbls of water to complete the | proposed well work? Yes | NoX |
| | gs? Yes X No | mines. | |
| | nticipated pit waste: Cement and Frac | | 20.01 |
| | e used in the pit? Yes X No hod For Treated Pit Wastes: | It so, what ml.? | 20 31 |
| Land | | | |
| Under | rground Injection (UIC Permit Number | | |
| | (at API Number | | |
| | ite Disposal (Supply form WW-9 for d (Explain | isposal location) | |
| Will closed loop system be used? | No - not drilling | | |
| | this well? Air, freshwater, oil based, et | | |
| | Synthetic, petroleum, etc | | |
| Additives to be used in drilling n | nedium? | | |
| Drill cuttings disposal method? | Leave in pit, landfill, removed offsite, | eto, | |
| | solidify what medium will be used? (| | |
| | e/permit number? | Annual Control of the | |
| on August I, 2005, by the Office provisions of the permit are enfo law or regulation can lead to enfo I certify under penalty application form and all attach obtaining the information, I bel penalties for submitting false info | of law that I have personally examin ments thereto and that, based on my ieve that the information is true, according to the possibility of fi | epartment of Environmental Prot or or condition of the general pe ned and am familiar with the in y inquiry of those individuals i urate, and complete. I am awa ne or imprisonment. | ection. I understand that the rmit and/or other applicable formation submitted on this mmediately responsible for |
| Company Official Signature | flui / ele | | |
| Company Official (Typed Name | David Gocke | | |
| Company Official Title | Manager - Operations, Appalachia So | wth | |
| Subscribed and sworn before me | this 3044 day of June | , 20 14 Notary Public | RECEIVED Office of Oil and Gas |
| My commission expires 09/16/201 | 8 | U | JUL 0.8 2014(Lis A. Co |
| | | | WV Deperement of the Commission En |
| | | E . | Environmental Protection |

4300518W. Form WW-9 Operator's Well Number: 805461 WO API Well Number: 47 - 043 - 00518 Acres Disturbed 1.0 Prevegetation pH ____ 6.1 Proposed Revegetation Treatment: Lime ___3____ Tons/acre or to correct to pH _____6.5 Fertilizer (10-20-20 or equivalent) __500 ___ lbs/acre (500 lbs minimum) Mulch Hay 2 Tons/acre **Seed Mixtures** Area I Area II Seed Type lbs/acre Seed Type lbs/acre KY 31 40_ Orchard Grass <u> 15 </u> Alsike Clover Alsike Clover 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 :_ Comments:

Title: District Inspected

____ Date: <u>07/07/14</u>

Field Reviewed?

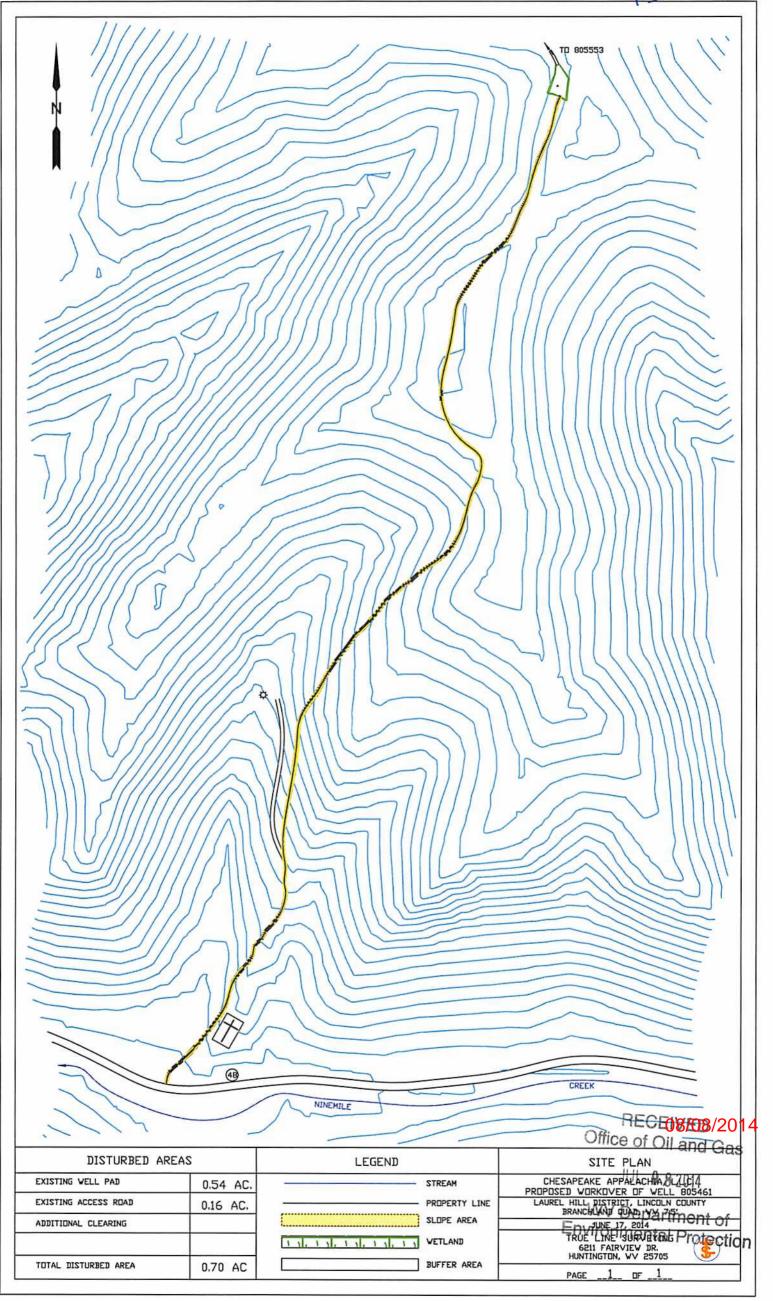
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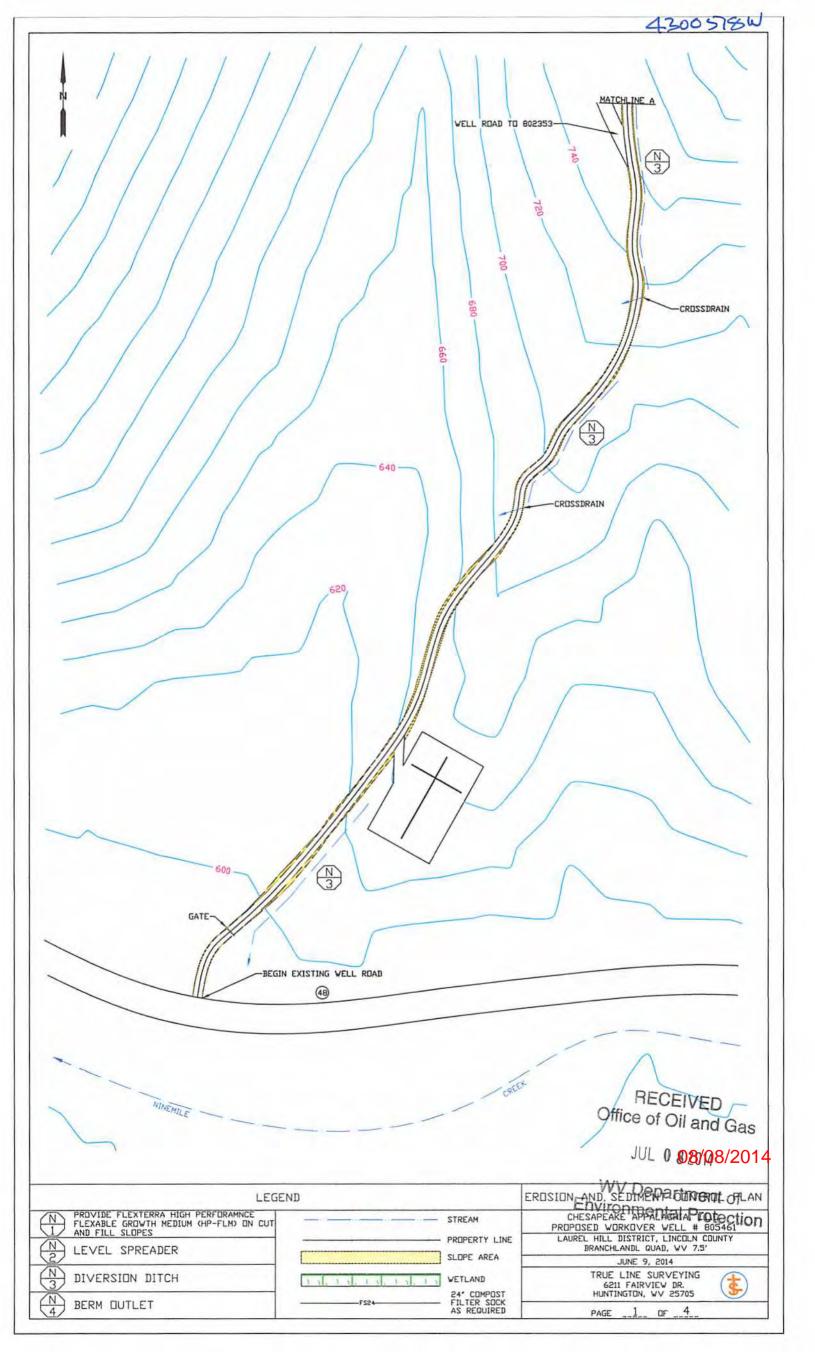
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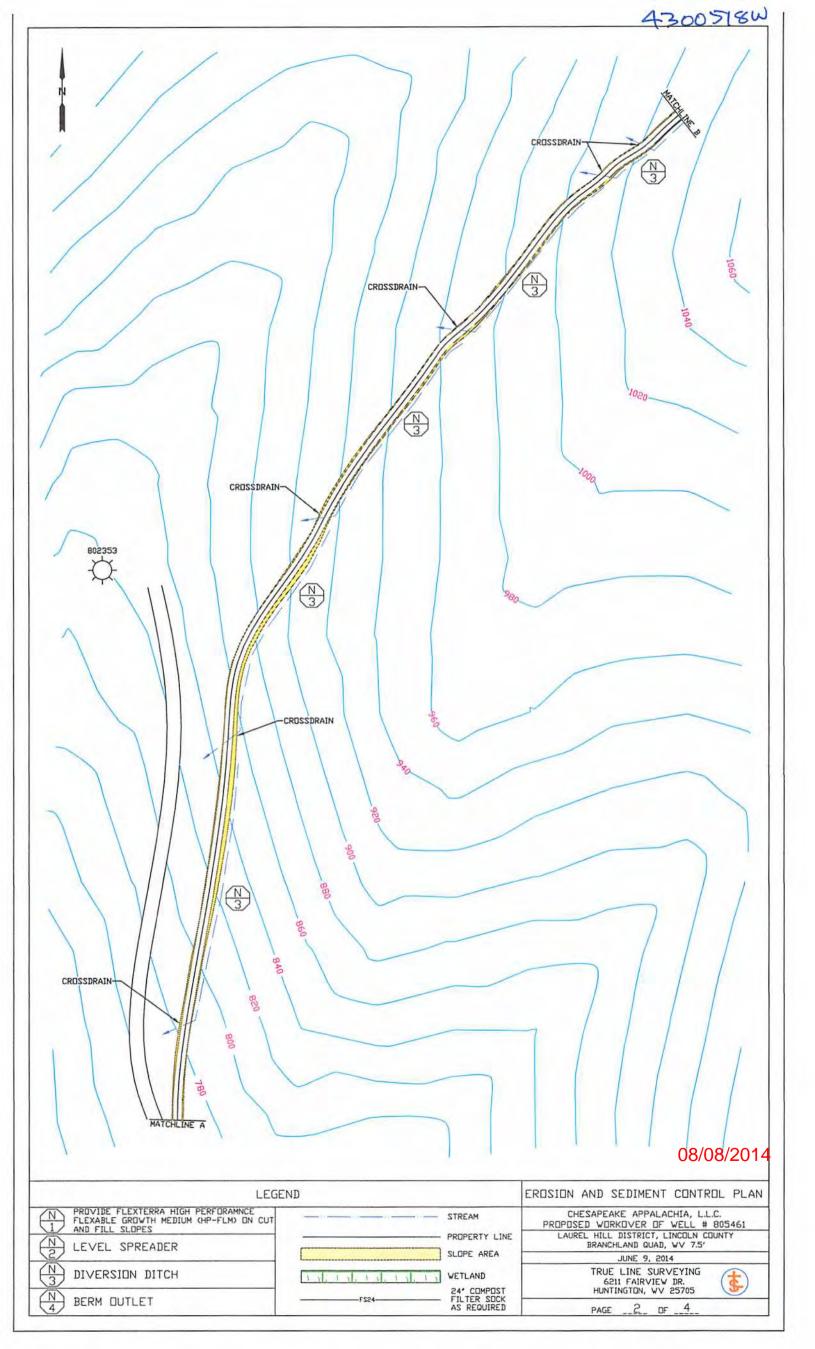
08/08/2014

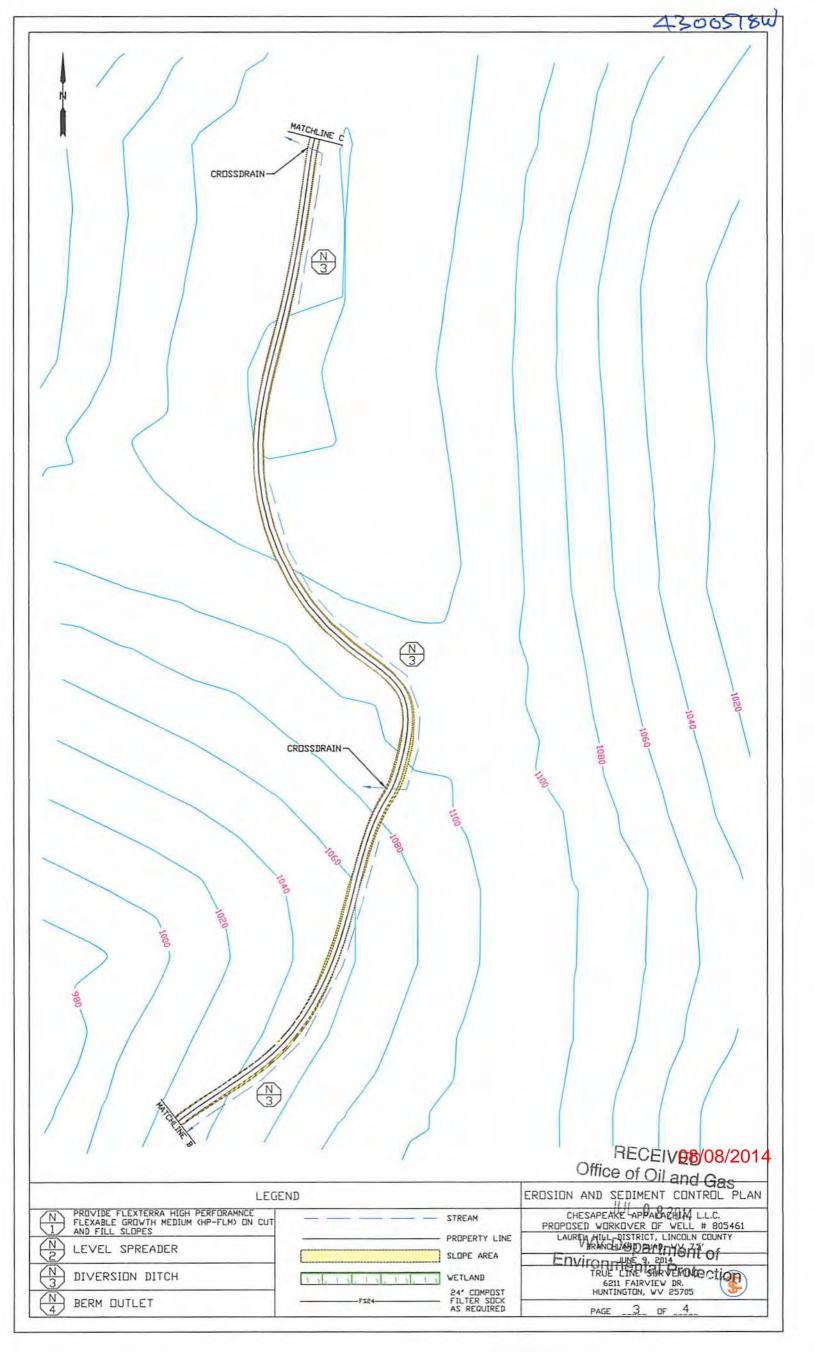
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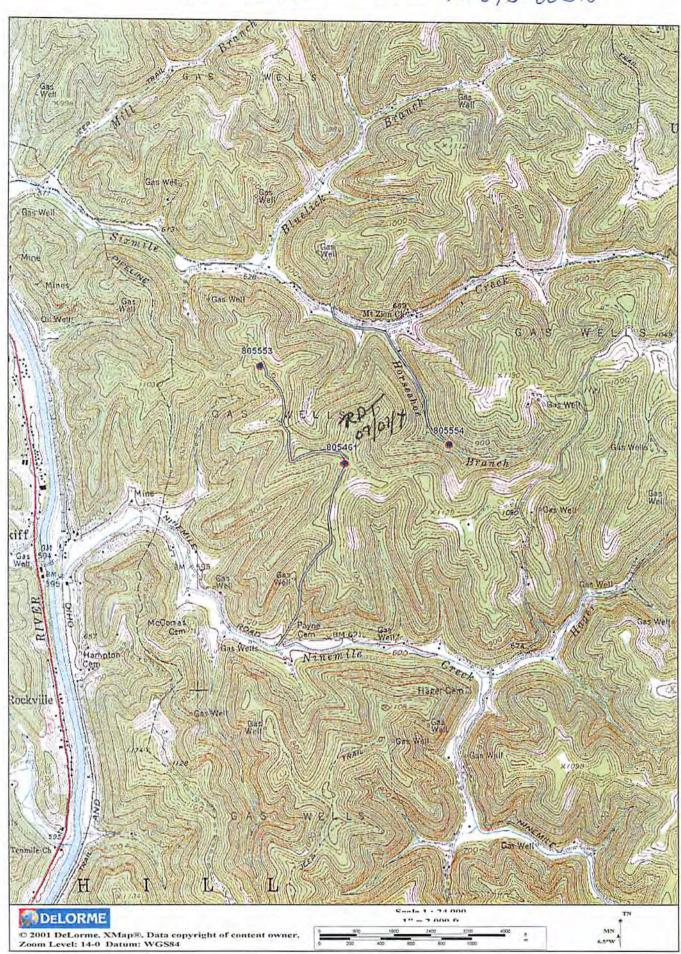






4300518W 1000 E0.00% 14.00% 5,00% 1100 1000 100 1200 8 8 700 9 20.8 8 24+00 2+00 14,00% 25+00 3+00 26000 26000 26000 26000 3000 3000 13000 13000 26000 -3000 20,00% 26+00 ŝ BATT ENGT TRACK TRACK TRACK TRACK - BOTH EVERY EVERY EVERY 27+00 548 29+00 6+0 29+65 7+00 30+00 8+9 31+00 948 20+50 15+08 11.00% E9.00% 33+00 11+00 34+00 12+00 13+00 25+88 14+00 36+00 15+98 37+90 15+00 38+00 17+00 39+00 PRINTE COURT CHAPT CAREE CAREE ABOUT 184000 PRINTE 1900 10+00 40+05 19+00 41+00 20+03 42+8 8.13 43+00 8 44+00 23+00 45+8 1000 600 700 860 600 700 8 8 1100 1200 1200 CHESAPEAKE APPALACHIA, L.L.C.
PROPOSED WORKOVER OF WELL # 805461
LAUREL HILL DISTRICT, LINCOLN COUNTY
BRANCHLAND QUAD, WV 7.5' JUNG 9, 2014
TRUE LINE SURVEYING
6211 FAIRVIEW DR.
HUNTINGTON, WV 25705 PAGE 08/08/2014 ROAD PROFILE 뫄

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