



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

March 18, 2015

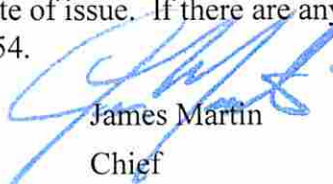
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4301872, 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: 2407
Farm Name: VICKERS, F. M.
API Well Number: 47-4301872
Permit Type: Plugging
Date Issued: 03/18/2015

Promoting a healthy environment.

03/20/2015

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.
4. This well is under a consent order and must be plugged under the terms of that agreement.

4301872P

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

1) Date: 2/12/2015
2) Operator's Well No. 802407 P&A
3) API Well No. 47-043-01872

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

CK 5244719
\$100.00

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 711' Watershed Davis Trace of Middle Fork
District Carroll County Lincoln Quadrangle Hamlin, 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

Received

FEB 25 2015

Office of Oil and Gas
WV Dept. of Environmental Protection


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

Work Order approved by Inspector  Date

03/20/2015

802407 P&A PROCEDURE

Elev. 711'

- 1) Prepare road and location, MIRU service rig
- 2) RIH with tools to check TD approximately at 2120'
- 3) Attempt to pull 3 1/2" and packer
 - A) If successful:
 - a) Run W.S. to 2120', spot gel, pull W.S. to 2085'
 - b) Spot 100' cement plug 2085'-1985'
 - c) Proceed to step 4
 - B) If unsuccessful:
 - a) Run W.S. to 2120', spot gel
 - b) Spot 150' cement plug 2120'-1970', pull W.S.
 - c) Cut 3 1/2" at free-point (approximately 1750') and pull
 - d) Proceed to step 4
- 4) Pull or run W.S. to 1750', spot gel
- 5) Spot 125' cement plug 1750'-1625', pull W.S.
- 6) Rip or shoot holes in 6 5/8" approximately at 1580', 1560', 1380' and 1360'
- 7) Run W.S. to 1580', spot gel
- 8) Spot 100' cement plug 1580'-1480', pull W.S. to 1380'
- 9) Spot 100' cement plug 1380'-1280', pull W.S.
- 10) Cut 6 5/8" at free-point (approximately 800') and pull
- 11) TIH with W.S. to 800', spot gel
- 12) Spot 150' cement plug 800'-650', pull W.S.
- 13) Attempt to pull 8 1/4" casing
 - A) If successful:
 - a) Run W.S. to 350', spot gel
 - b) Spot 100' cement plug 350'-250'
 - c) Proceed to step 14
 - B) If unsuccessful
 - a) Run W.S. to 350'
 - b) Spot 100' cement plug 350'-250', pull W.S.
 - c) Cut the 8 1/4" at free-point (approximately 180') and pull (If at least 160' of 8 1/4" cannot be pulled, then rip or shoot holes approximately at 175' and 150', then pull pipe from free-point)
 - d) Proceed to step 14
- 14) Pull or run W.S. to 180'
- 15) Spot ²⁰⁰180' cement plug ²⁰⁰180'-surface 200-surface 
- 16) Pull W.S. and top off with cement
- 17) Erect monument and reclaim as prescribed by law

Received

FEB 25 2015

Office of Oil and Gas
WV Dept. of Environmental Protection

03/20/2015

Well 802407 API 47-043-01872P

~~UNION FUEL & ELECTRIC COMPANY~~
Incorporated

Serial Well No. **2407**

Lease No. **1384**

Map Square **38-53**

Paragon Print 500 42047

RECORD OF WELL **2407** on the
F.M. Vickers Farm of **50** Acres
in **Carroll** District
Lincoln County
Branchland Field, State of **W.Va.**

CASING AND TUBING		
Size	Used in Drilling	Left in Well
16		
13		
10	30'	30
8 1/4	291'	291
6 5/8	1711'	1711
5 3/16		
4 1/2		
4		
3		2153' 8"
2		

TEST BEFORE SHOT
61 of Water in **2** inch
 10ths
 of Merc. in inch
 10ths
 Volume Cu. ft.

TEST AFTER SHOT
13 of Water in **3** inch
 10ths
 of Merc. in inch
 10ths
 Volume Cu. ft.
 Rock pressure **48-H-350#**

Date Shot **May-16-1925**
 Size of Torpedo **40 Qts**
~~Marietta Torpedo Co~~
 Oil Flowed bbls. 1st 24 hrs.
 Oil Pumped bbls. 1st 24 hrs.

Well abandoned and
 Plugged 19

Rig Commenced **March 28** 192 **5**
 Rig Completed **April 4** 192 **5**
 Drilling Commenced **April 8** 192 **5**
 Drilling Completed **May 15** 192 **5**
 Drilling to cost per foot
 Contractor is: **Columbia Gas & Electric Co**
 Address: **Branchland, W.Va.**

SHUT IN
 Date **May-20-1925**
3 in Tubing or Casing
 Size of Packer **Anchor**
 Kind of Packer **3"x6-5/8x16**
 1st Perf. Set **on** from **Bottom**
 2nd Perf. Set **39'** from **Bottom**

Driller's Names
Abe Brookover
Ben Pauley

DRILLER'S RECORD

Formation	Top	Bottom	Thickness	Remarks
Surface & Gravel	00	30	30	
Coal	155	159	4	6-5/8" Casing Pt- 1711
Sand & Slate	159	614	455	
Lime	614	624	10	
Slate & Sand	624	780	156	Gas Pay in Berea Sand
Lime	780	790	10	2078 to 2091
Gas Sand	790	800	10	Test 61/10-W-2" Befor Tubing
Slate	800	815	15	Test 13/10-W-3" After Tubing
Salt Sand	815	1326	511	48-Hr- Rock Press # 350
Marion Sand	1326	1356	30	
Little Lime	1356	1390	34	
Pencil Cave	1390	1395	5	
Big Lime	1395	1580	185	NOTE-
Red Rock	1580	1590	10	20 # 6-5/8" Casing Run-
Big Injun Sand	1590	1615	25	7,675 # 3" Tubing Run
Squaw Sand	1615	1625	10	
Berea Sand	2078	2096	18	3" x 6-5/8" x 16" O.W.S. Anchor
Slate	2096	2131	35	Packer Set- 357'4" From Bottom
Total Depth	2231	2131		on 3" Tubing

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 Office of Oil and Gas

FEB 17 2015

WV Department of
 Environmental Protection

03/20/2015

J.R. Cartwright

4301872P

WW4-A
Revised
2/01

1) Date: 2/12/2015
2) Operator's Well No. 802407 P&A
3) API Well No. 47-043-01872

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 Paul & Sue Byrd
Address Box 58 Byrd lane
Hamlin, WV 25523

(b) Name Thomas Joe Baker
Address 6174 Straight Fork ✓
Hamlin, WV 25523

(c) Name _____
Address _____

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

Telephone 304-389-0350

5) Coal Operator
(a) Name None
Address _____

Coal Owner(s) with Declaration
(b) Name See Attached List for Coal Owners
Address _____

Name _____
Address _____

Coal Lessee with Declaration
(c) Name None
Address _____

Name _____
Address _____

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: R.F. Schindler
Its: Completion Superintendent
Address: P.O. Box 18496
Oklahoma City, OK 73154-0496
Telephone: 405-935-4073

Subscribed and sworn before me this 12th day of February the year of 2015
Phyllis A. Copley
Notary Public
My Commission Expires September 16, 2018

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Office of Oil and Gas
FEB 17 2015
WV Department of
Environmental Protection
03/20/2015

4301872P

Received

FEB 20 2015

Office of Oil and Gas
WV Dept. of Environmental Protection



SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee <i>Sue Byrd</i>	
1. Article Addressed to: 802407 P&A (surface) Paul & Sue Byrd Box 58 Hamlin, WV 25523	B. Received by (Printed Name) <i>Sue Byrd</i>	C. Date of Delivery <i>2-13-15</i>
2. Article Number <i>(Transfer from service label)</i>	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
PS Form 3811, July 2013	3. Service Type <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
Domestic Return Receipt	7014 2120 0003 6636 5750	

03/20/2015

FORM WW-4 (B)
Reverse

Farm Name

API No. 47-043-01872 P
V M Vickers 1
Well No. 802407 P&A

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: 2/15/15

By: W J Vickers
W Blundin

Its: RECEIVED
Office of Oil and Gas

FEB 23 2015

WV Department of
Environmental Protection

Well 802407 P&A
API 47-043-01872

Coal Owners

W. J. Vickers ✓
2114 Holswade Drive
Huntington, WV 25701

Donna Carter Frye ✓
1866 Martha Road
Barboursville, WV 25504

John E. White ✓
Rt 1 Box 5
Hamlin, WV 25523

Hamlin Baptist Church ✓
8138 Sycamore Avenue
Hamlin, WV 25523

Valery Billups ✓
2131 Airport Road
Haleyville, AL 35565

Central Big Creek Baptist Church ✓
Garland T. Salmons
Rt 2 Box 97 Big Creek Road
Hamlin, WV 25523

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WV Department of
Environmental Protection

Well 802407

API 47-043-01872 P

7014 2120 0003 6636 5750
7014 2120 0003 6636 5729
7014 2120 0003 6636 5682
7014 2120 0003 6636 5705

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HAMLIN WV 25523

OFFICIAL USE

Postage	\$ 1.40	0523
Certified Fee	3.30	01
Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)	0.00	
Total P	7.40	02/12/2015

Postmark Here

802407 P&A (surface)
Sent To: Paul & Sue Byrd
Street & PO Box: Box 58
City, State: Hamlin, WV 25523

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Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)	0.00	
Total Po	7.40	02/12/2015

Postmark Here

802407 P&A (access surface)
Sent To: Thomas Joe Baker
Street & PO Box: 6174 Straight Fork
City, State: Hamlin, WV 25523

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Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)	0.00	
Total P	7.40	02/12/2015

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802407 P&A (coal)
Sent To: John E. White
Street & PO Box: Rt 1 Box 5
City, State: Hamlin, WV 25523

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HUNTINGTON WV 25701

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Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)	0.00	
Total Postage	7.40	02/12/2015

Postmark Here

802407 P&A (coal)
Sent To: W. J. Vickers
Street & PO Box: 2114 Holswade Drive
City, State: Huntington, WV 25701

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Certified Fee	3.30	01
Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)	0.00	
Total P	7.40	02/12/2015

Postmark Here

802407 P&A (coal)
Sent To: Central Big Creek Baptist Church
Street & PO Box: Garland T. Salmons Rt 2 Box 97 Big Creek Road
City, State: Hamlin, WV 25523

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Certified Fee	3.30	01
Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)	0.00	
Total F	7.40	02/12/2015

Postmark Here

802407 P&A (coal)
Sent To: Hamlin Baptist Church
Street & PO Box: 8138 Sycamore Avenue
City, State: Hamlin, WV 25523

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BARBOURSVILLE WV 25504

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Postage	\$ 1.40	0523
Certified Fee	3.30	01
Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)	0.00	
Total Postage	7.40	02/12/2015

Postmark Here

802407 P&A (coal)
Sent To: Donna Carter Frye
Street & PO Box: 1866 Martha Road
City, State: Barboursville, WV 25504

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HALEYVILLE AL 35565

OFFICIAL USE

Postage	\$ 1.40	0523
Certified Fee	3.30	01
Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)	0.00	
Total P	7.40	02/12/2015

Postmark Here

802407 P&A (coal)
Sent To: Valery Billups
Street & PO Box: 2131 Airport Road
City, State: Haleyville, AL 35565

03/20/2015

FEB 17 2015

4301872P

Form WW-9
Rev. 02/01

API Number 47-043-01872
Operator's Well No. 802407 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 Davis Trace of Middle Fork Quadrangle Hamlin, WV 7.5'

Elevation 711' County Lincoln District Carroll

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 R.E. Schindler

Company Official (Typed Name) Robert E. Schindler

Company Official Title Completion Superintendent

Subscribed and sworn before me this 12th day of February, 2015.

Phyllis A. Copley Notary Public.

My Commission Expires September 16, 2018

Office of Oil and Gas

FEB 17 2015

WV Department of
Environmental Protection

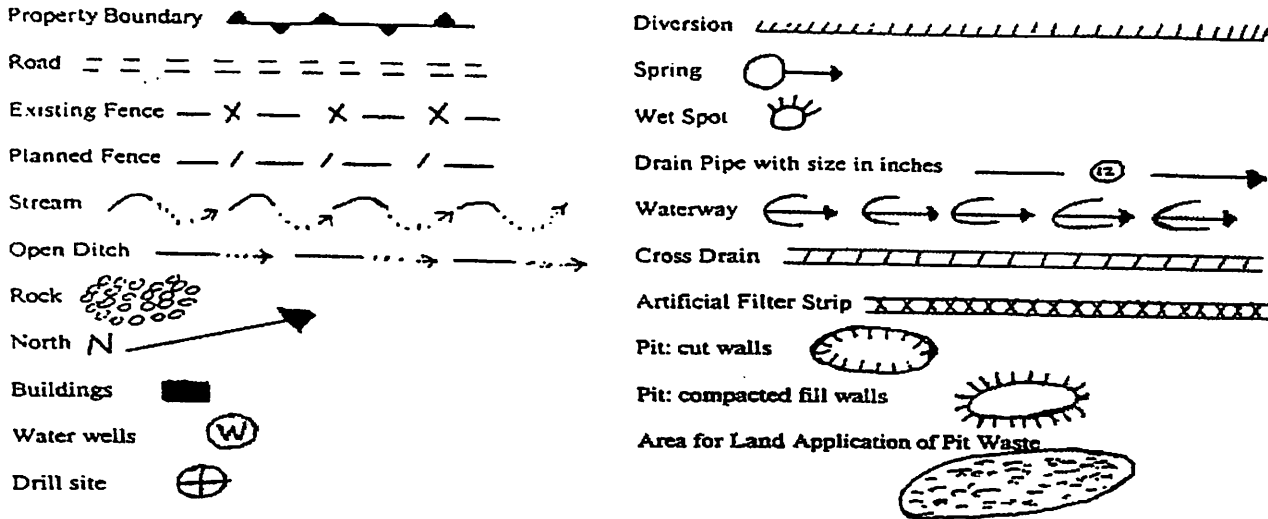


03/20/2015

Attachment #1

API #: 47-043-01872
 Operator's Well No. 802407 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:

Title: inspector OOG

Date: 2-23-15

Field Reviewed? () Yes () No

Received

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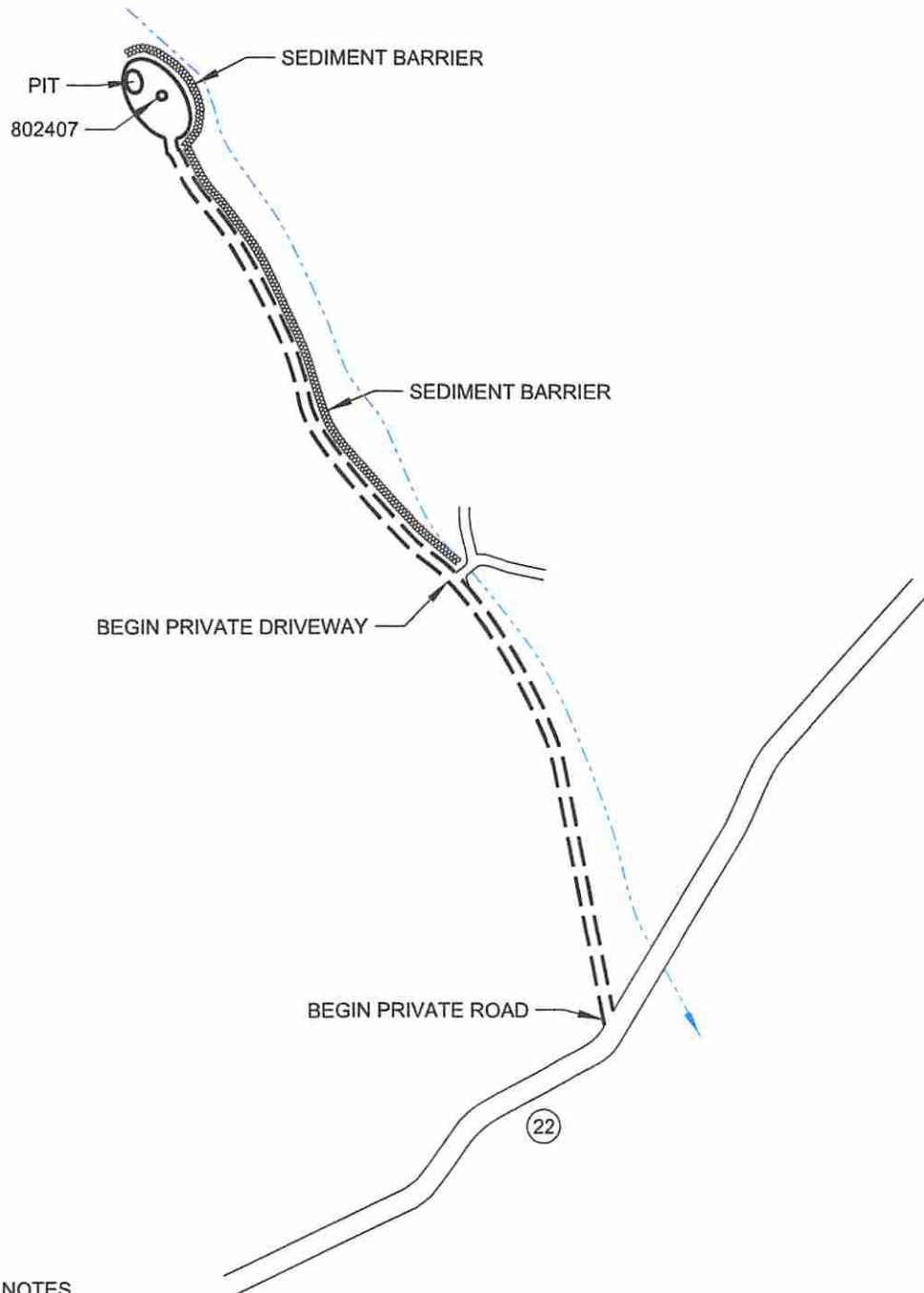
Office of Oil and Gas
 WV Dept. of Environmental Protection
 03/20/2015

CHESAPEAKE APPALACHIA, L.L.C.

RECLAMATION DIAGRAM WELL LOCATION 802407

API 47-087-01872

4301872P



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 out fall 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.

RECEIVED 03/20/2015
Office of Oil and Gas

FEB 17 2015

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

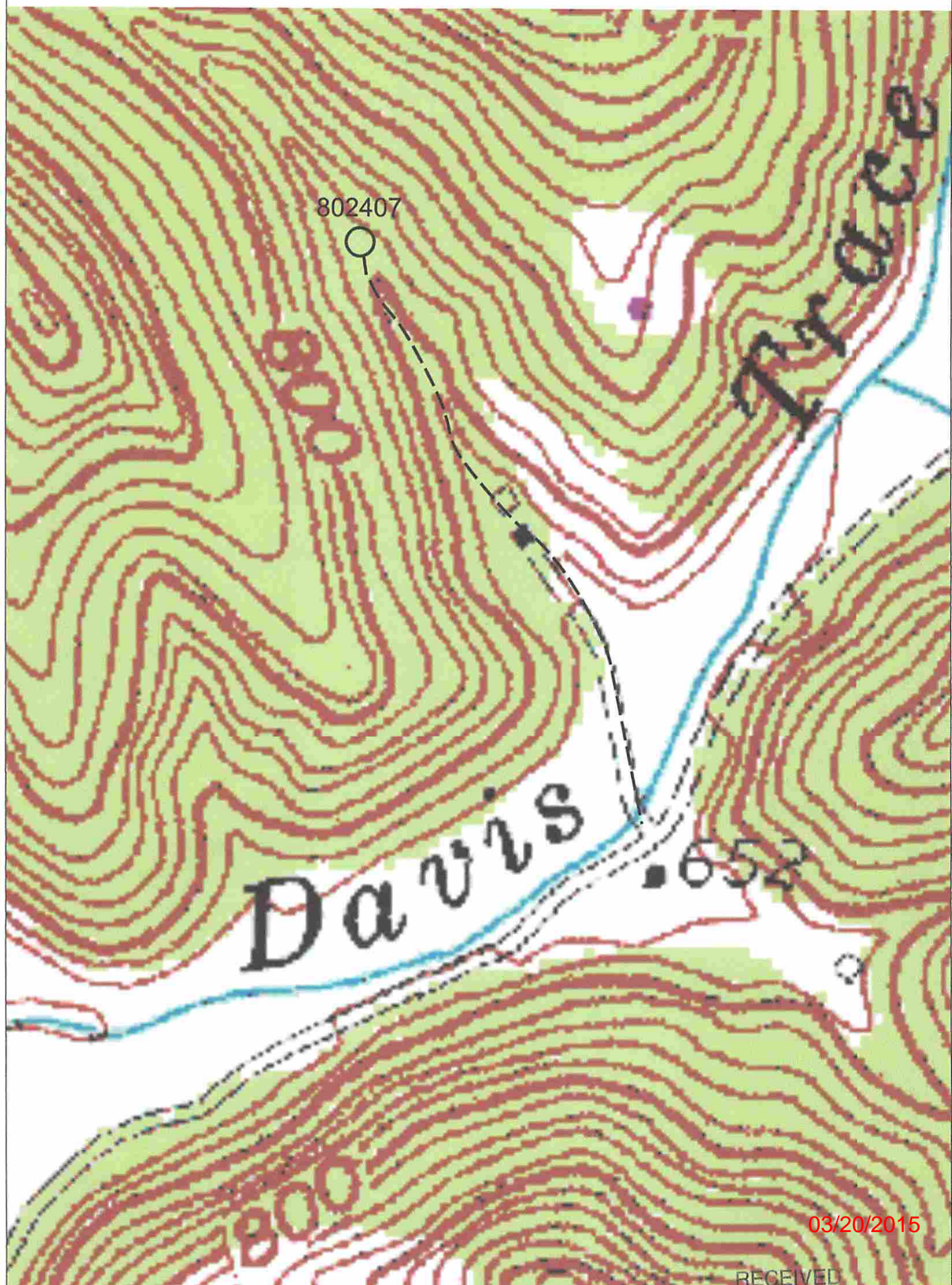
WV Department of
Environmental Protection

CHESAPEAKE APPALACHIA, L.L.C.

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TOPOGRAPHICAL MAP OF ACCESS AND
WELL LOCATION 802407

API 47-043-01872



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

WV Department of
Environmental Protection

11,062'

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

LATITUDE 38°17'30"

802402
P-01917

802407

S 75°28' W - 4,639'

S 52°54' W - 4,833'

S 23°13' E - 2,107'

822873
P-02843

802403
P-01863

802295
P-01883

NORTH

LONGITUDE 82°00'28"

NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

WELL SITE

STATE PLANE WV
SOUTH ZONE NAD 1927
N - 463,161.35 : E - 1,701,848.46

LATITUDE: (N) 38.2673894°
LONGITUDE: (W) 82.0385139°

UTM NAD83
17 - 84W TO 78W, METERS
N - 4,236,003.170 : E - 409,164.782

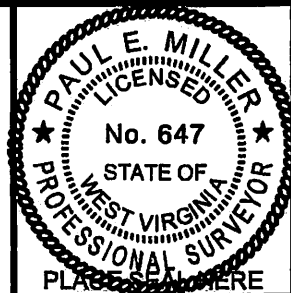
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 802407.DGN
DRAWING NO. 802407 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 DECEMBER 12, 20 14
OPERATOR'S WELL NO. 802407
API WELL NO.

47 043 01872 P
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 711' WATER SHED DAVIS TRACE OF MIDDLE FORK
DISTRICT CARROLL COUNTY LINCOLN
QUADRANGLE HAMLIN, WV 7.5'

SURFACE OWNER PAUL & SUR BYRD (SURV.) ACREAGE -
OIL & GAS ROYALTY OWNER JIM HAMER CO. LEASE ACREAGE 1115
LEASE NO. 1219730

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 X 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 8070, CHARLESTON, WV 25382

COUNTY NAME

PERMIT

03/20/2015