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**west virginia** department of environmental protection

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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

June 16, 2015

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-4301162, 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: 2119

Farm Name: JONES, JENNIE

**API Well Number: 47-4301162**

**Permit Type: Plugging**

Date Issued: 06/16/2015

## 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

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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.

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

1) Date: 4/13/2015  
2) Operator's Well No. 802119 P&A  
3) API Well No. 47-043-01162

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 965' Watershed Two Mile Creek  
District Sheridan County Lincoln Quadrangle Branchland, 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  
Name Ralph Triplett  
Address 5539 McClellan Highway  
Branchland, WV 25506  
9) Plugging Contractor  
Name Chesapeake Appalachia, L.L.C.  
Address P.O. Box 18496  
Oklahoma City, OK 73154-0496

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

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See Attached Sheet

WV Department 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

Ralph D Triplett

Date

04/17/15

06/19/2015

## 802119 P&amp;A PROCEDURE

NOTE: Hole is caved, top of fill is approximately 2150'. No record of 8 ¼" in well.

- 1) Prepare road and location, MIRU service rig
- 2) Run in hole with tools to check top of fill (approximately 2150')
- 3) Run W.S. to top of fill (approximately 2150'), spot gel
- 4) Spot 150' cement plug on top of fill, (approximately 2150'-2000'), pull W.S.
- 5) Attempt to pull 5 ½" and packer
  - A) If successful
    - a) Run W.S. to 1725', spot gel
    - b) Spot 150' cement plug 1725'-1575', pull W.S. to 1460'
    - c) Proceed to step 6
  - B) If unsuccessful
    - a) Run W.S. 1760', spot gel
    - b) Spot 100' cement plug 1775'-1675', pull W.S.
    - c) Cut 5 ½" at free-point (approximately 1600'), and pull
    - d) Run W.S. to 1600', spot gel
    - e) Spot 100' cement plug 1600'-1500', pull W.S. to 1460'
    - f) Proceed to step 6
- 6) Spot 100' cement plug 1460'-1360', pull W.S.
- 7) Cut 6 5/8" at free-point (approximately 900') and pull
- 8) Run W.S. to 900', spot gel
- 9) Spot 150' cement plug 900'-750', pull W.S.
- 10) Run in hole with tools to check to top of plug. If TOC is below 800', then reset plug.
- 11) If 8 ¼" is present, then run in hole with tools to find bottom of 8 ¼".
- 12) If 8 ¼" is present, then attempt to pull
  - A) If successful or 8 ¼" is not present
    - a) Trip in hole with W.S. to 330', spot gel
    - b) Spot 100' cement plug 330'-230'
    - c) Proceed to step 13
  - B) If unsuccessful
    - a) Trip in hole with W.S. to 50' below 8 ¼" shoe, spot gel
    - b) Spot 100' cement plug across 8 ¼" shoe, pull W.S.
    - c) Cut 8 ¼" at free-point and pull. If at least 150' of 8 ¼" cannot be pulled, then shoot or rip holes approximately at 140' and 120'
- 13) Pull or run W.S. to 160' (or to 8 ¼" cut if more 8 ¼" was pulled)
- 14) Spot approximately 160' cement plug 160'-surface
- 15) Pull W.S. and top off with cement
- 16) Erect monument and reclaim as prescribed by law

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OK  
RDT

06/19/2015

**UNITED FUEL GAS COMPANY**  
COMPANY

Well 802119

API 47-043-01162P  
Page 1 of 2  
MAP SQUARE 32-49

SERIAL WELL NO. 2119

LEASE NO. 24856

RECORD OF WELL NO. <u>2119</u> on the			CASING AND TUBING				TEST BEFORE SHOT
<b>Jimmie Jones</b> farm of Acres			SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	1 /10 of Water in 1" inc
in <b>Sheridan</b> District			<u>5-1/2"</u>	<u>15#</u>	<u>1713'</u>	<u>1713'</u>	/10 of Merc. in inc
<b>Lincoln</b> County							Volume <u>11 MCF</u> Cu. f
State of: <b>West Virginia</b>							TEST AFTER SHOT
Field: <b>Branchland</b>							16 /10 of Water in 2" inc
Rig Commenced <b>September 27,</b> 19 <u>54</u>							10 of Merc. in inc
Rig Completed <b>September 28,</b> 19 <u>54</u>							Volume <u>169 MCF</u> Cu. f
Drilling Commenced <b>October 12,</b> 19 <u>54</u>							After Clg. Out hours After Sho
Drilling Completed <b>November 1,</b> 19 <u>54</u>							Back Pressure <u>48 Hr. 135#</u>
Drilling to cost per foot							Date Shot <u>11-3-54</u>
Contractor is: <b>United Fuel Gas Co.</b>							Size of Torpedo <u>3300# Dup. Co.</u>
Address <b>Charleston, W. Va.</b>							Oil Flowed bbls. 1st 24 hr
							Oil Pumped bbls. 1st 24 hr
Driller's Name <b>Alford G. Thomas</b>			<u>5-1/2"</u> in.	<b>Casing</b>	Tubing or Casing		
<b>Charles A. Roberts</b>			Size of Packer <u>5-1/2" X 7"</u>				Well abandoned and plugged
							Bottom Hole
							1st. Perf. Set from
Elevation:							2nd Perf. Set from

**DRILLER'S RECORD**

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Begin Drilling	1673'			
Injun Sand	1673	1694	21	Gas @ 1685' - 15/10 W-1"
White Slate	1694	1698	4	
Lime Shell	1698	1723	25	5-1/2" Casing set @ 1702'
Slate & Shells	1723	1826	103	Show of Gas @ 1706'
Big Lime Shell	1826	1856	30	
Slate & Shells	1856	2175	319	
Brown Shale	2175	2192	17	
Berea Sand	2192	2204	12	Gas @ 2193' - 2/10 W-1"
Lime Shell	2204	2212	8	Gas @ 2202' - 4/10 W-1"
Brown Shale	2212	2229	17	
Weir Shells	2229	2294	65	
White Slate	2294	2459	165	
Gray Shale	2459	2635	176	Gas @ 2554' - 6/10 W-1"
White Slate	2635	2683	48	
Lime Shell	2683	2693	10	
Gray Shale	2693	2857	164	

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SERIAL WELL NO. 2119

LEASE NO. 21656

Well 802119

32-49

API 47-043-01162P  
page 2 of 2

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Brown Shale	2857	2898	41	
White Slate	2898	3048	150	
Brown Shale	3048	3058	10	
White Slate	3058	3105	47	
Brown Shale	3105	3120	15	
White Slate	3120	3141	21	
Brown Shale	3141	3204	63	
White Slate	3204	3214	10	
Brown Shale	3214	3415	201	
White Slate	3415	3421	6	When Drilling Completed 1/10 H-1"
TOTAL DEPTH	3421'			

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**UNITED FUEL GAS COMPANY**  
(INCORPORATED)

SERIAL WELL NO. 2119

LEASE NO. \_\_\_\_\_

MAP SQUARE 32-49

*Well 802119  
API 47-043-  
01162P*

RECORD OF WELL No. 2119 on the  
W.F. Black Farm of 99 1/2 Acres  
in Sheridan District  
Lincoln County  
Branchland Field, State of W. Va.

Rig Commenced 192  
Rig Completed 192  
Drilling Commenced Feb. 4, 1909 192  
Drilling Completed March 3, 1909 192  
Drilling to cost per foot  
Contractor is: Hawlin Oil Co.  
Address:

Drillers' Names Wm. Klintworth  
H. V. Meabon

CASING AND TUBING		
SIZE	USED IN DRILLING	LEFT IN WELL
16		
13		
10		
8 1-4		
6 5-8		1412' 6"
5 3-16		
4 7-8		
4		
3		132' 11"
2		1555' 10"

SHUT IN	
Date	Tubing or Casing
_____	_____
Size of Packer <u>6-5/8" x 8"</u>	_____
Kind of Packer <u>Anchor</u>	_____
1st Perf. Set _____	from _____
2nd Perf. Set _____	from _____

TEST BEFORE SHOT	
_____	of Water in _____ Inch
_____	10ths of Merc. in _____ Inch
_____	10ths Volume _____ Cu. ft.
TEST AFTER SHOT	
_____	of Water in _____ Inch
_____	10ths of Merc. in _____ Inch
_____	10ths Volume _____ Cu. ft.
_____	Rock Pressure _____
_____	Date Shot _____
_____	Size of Torpedo _____
_____	Oil Flowed _____ bbls. 1st 24 hrs.
_____	Oil Pumped _____ bbls. 1st 24 hrs.
_____	Well abandoned and
_____	Plugged _____ 10 _____

**DRILLER'S RECORD**

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Fresh Water	270	300	30	Water enough to drill with 300' Hole full water at 920' Small show of gas 960'-963'. Gas Pay 1655-1670
Coal	130	133	3	
Salt Sand	830	1070	240	
Little Lime	1380	1395	15	
Pencil Cave	1395	1405	10	
Big Lime	1405	1620	215	Packer set 132' from bottom of hole on on 3" tubing March 5, 1910
Big Injun Sand	1654	1673	19	
TOTAL DEPTH		1673		

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4301162P

WW4-A  
Revised  
2/01

1) Date: 4/13/2015  
2) Operator's Well No. 802119 P&A  
3) API Well No. 47-043-01162

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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

APR 21 2015

WV Department of  
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4) Surface Owner(s) to be served:  
(a) Name James Byron Hatfield  
Address 40 Riverview Avenue  
Branchland, WV 25506  
  
(b) Name H3 LLC  
Address 1483 Johns Creek Road  
Milton, WV 25541  
  
(c) Name See attached list for the  
Address surface access road owners  
  
6) Inspector Ralph Triplett  
Address 5539 McClellan Highway  
Branchland, WV 25506  
  
Telephone 304-389-0350

5) Coal Operator  
(a) Name None  
  
Coal Owner(s) with Declaration  
(b) Name James Byron Hatfield  
Address 40 Riverview Avenue  
Branchland, WV 25506  
  
Name H3 LLC  
Address 1483 Johns Creek Road  
Milton, WV 25541  
  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
  
Coal Lessee with Declaration  
(c) Name None  
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: [Signature]  
Its: Completion Superintendent  
Address: P.O. Box 18496  
Oklahoma City, OK 73154-0496  
Telephone: 405-935-4073

Subscribed and sworn before me this 13<sup>th</sup> day of April the year of 2015

Phyllis A. Copley Notary Public

My Commission Expires September 16, 2018

06/19/2015



4301162f

**SURFACE ACCESS ROAD OWNERS**

Edward & Rita Cooper  
33 Basil and Wilma Drive  
West Hamlin, WV 25571

Theodore Slone  
142 Greystone Branch  
Branchland, WV 25506

Lisa Dawn Semeniuk  
19382 Sylvia Street  
Romulus, MI 48174

Sherry L. Sudduth  
P.O. Box 311  
Monroe, MI 48161

API: 47-043-01162  
Well Number: 802119 **RECEIVED**  
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Restricted Delivery Fee (Endorsement Required)	0.00	
<b>Total</b>	<b>\$ 7.61</b>	<b>04/13/2015</b>

Sent To: 802119 P&A  
Theodore Stone  
142 Greystone Branch  
Branchland, WV 25506

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<b>Total Postage &amp; Fees</b>	<b>\$ 7.61</b>	<b>04/13/2015</b>

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Romulus, MI 48174

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<b>Total Postage &amp; Fees</b>	<b>\$ 7.61</b>	<b>04/13/2015</b>

Sent To: 802119 P&A  
Sherry L. Sudduth  
P.O. Box 311  
Monroe, MI 48161

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<b>Total Postage &amp; Fees</b>	<b>\$ 7.61</b>	<b>04/13/2015</b>

Sent To: 802119 P&A  
Edward & Wilma Cooper  
33 Basil and Wilma Drive  
West Hamlin, WV 25571

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Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)	0.00	
<b>Total Postage &amp; Fees</b>	<b>\$ 7.61</b>	<b>04/13/2015</b>

Sent To: 802119 P&A  
James Byron Hatfield  
40 Riverview Avenue  
Branchland, WV 25506

PS Form 3800, July 2013

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MILTON WV 25541

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Certified Fee	3.30	03
Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)	0.00	
<b>Total Postage &amp; Fees</b>	<b>\$ 7.61</b>	<b>04/13/2015</b>

Sent To: 802119 P&A  
H3 LLC  
1483 Johns Creek Road  
Milton, WV 25541

PS Form 3800, July 2013

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Form WW-9  
Rev. 02/01

API Number 47-043-01162  
Operator's Well No. 802119 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 Two Mile Creek Quadrangle Branchland, WV 7.5'  
Elevation 965' County Lincoln District Sheridan

Description of anticipated Pit Waste: Plugging Returns/Cement

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

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 Completions Superintendent

Subscribed and sworn before me this 11<sup>th</sup> day of April, 2015.

Phyllis A. Copley Notary Public.

My Commission Expires September 16, 2018



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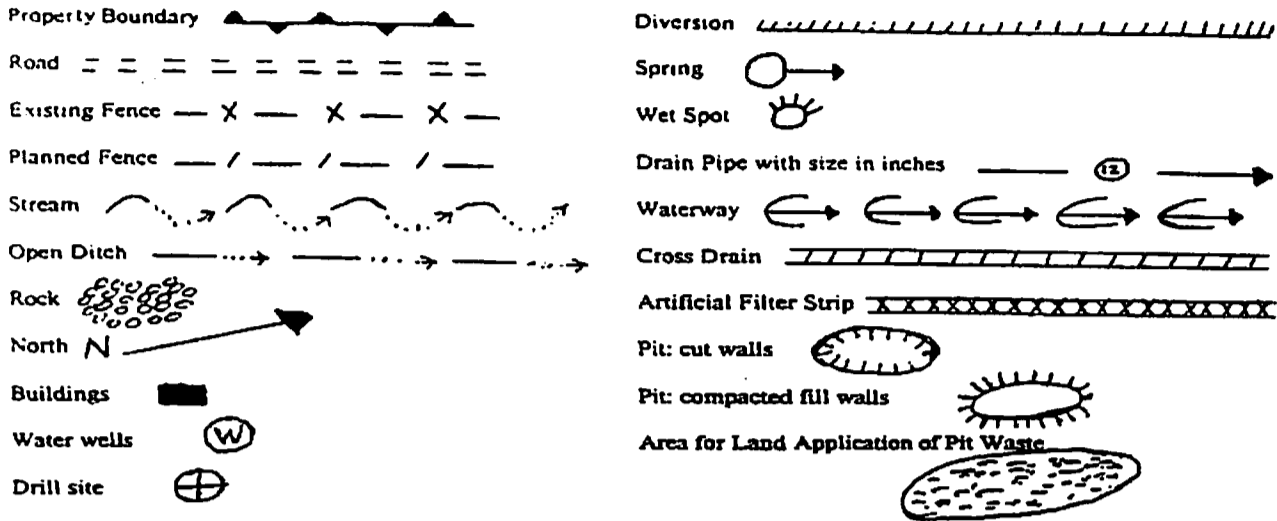
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Environmental Protection

06/19/2015

Attachment #1

API #: 47-043-01162  
 Operator's Well No. 802119 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: Russell D. Tripoli

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Field Reviewed? (  ) Yes (  ) No

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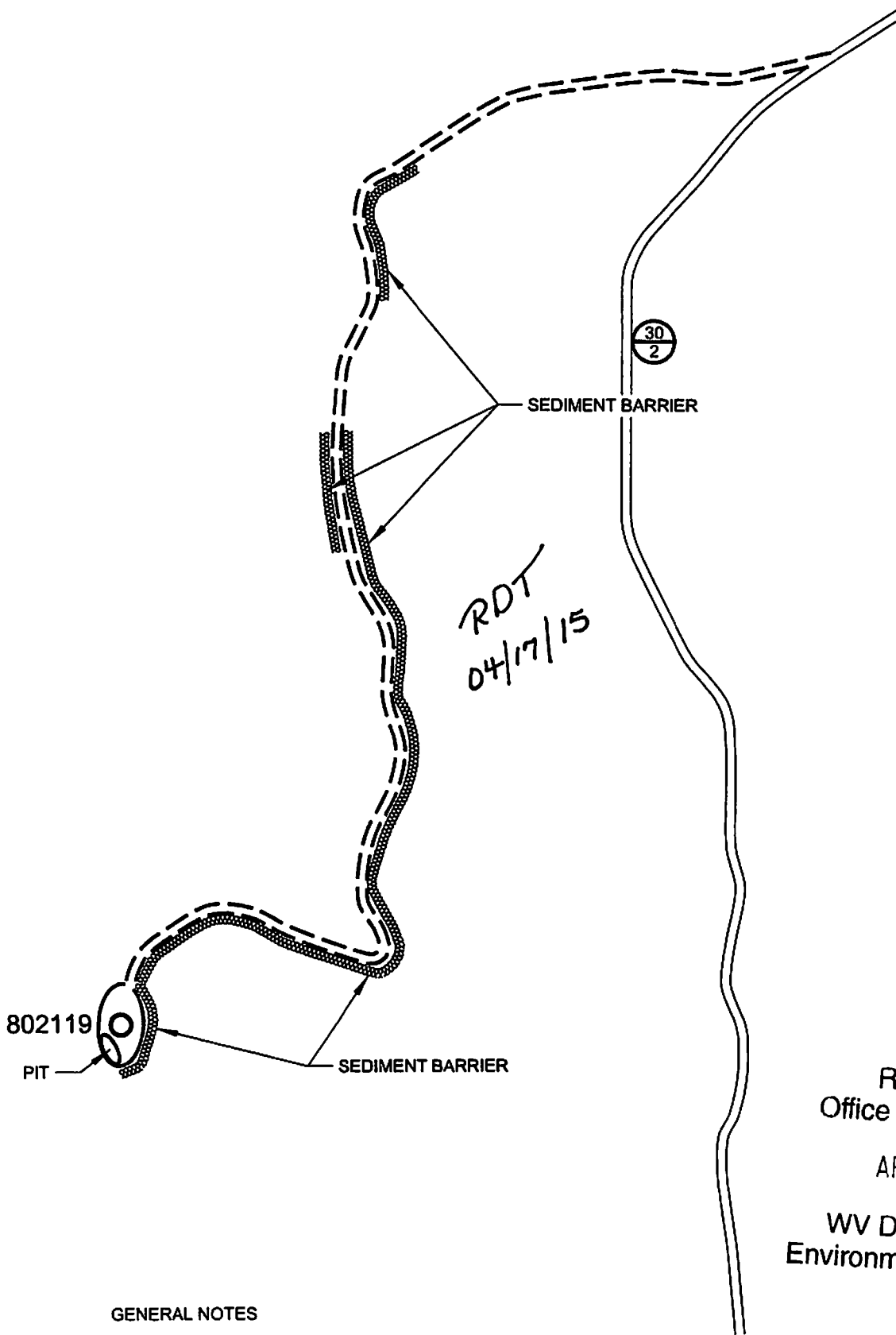
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CHESAPEAKE APPALACHIA, L.L.C.

4301162 P

RECLAMATION DIAGRAM  
WELL LOCATION 802119

API 47-043-01162



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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 show in approximate pre-planning configurations.

All culvert pipes will be a minimum of 15 inches in diameter. all culvert pipes installed will be accomanied 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 roacks of 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 contraction phase, where applicable, and in areas that will allow. These structures will be considered permanent and used as such.

Permanent seeding: See Attachment #1.

06/19/2015

4301162P

# CHESAPEAKE APPALACHIA, L.L.C.

TOPOGRAPHICAL MAP OF ACCESS AND  
WELL LOCATION 802119

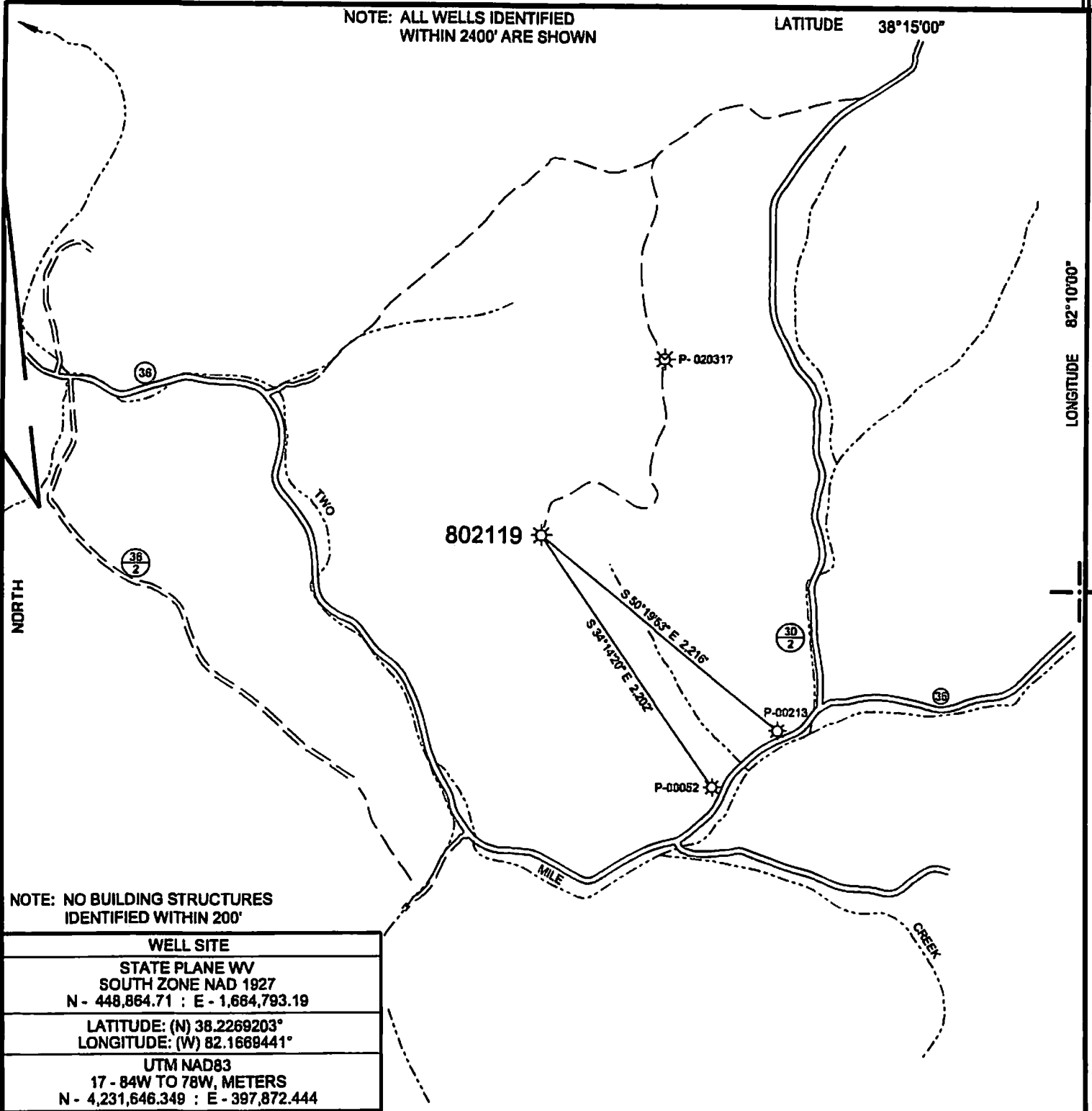
API 47-043-01162



06/19/2015

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

LATITUDE 38°15'00"



LONGITUDE 82°10'00" 8,399'

NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

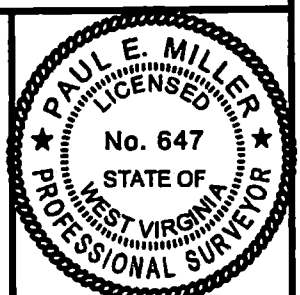
WELL SITE	
STATE PLANE WV SOUTH ZONE NAD 1927 N - 448,864.71 : E - 1,664,793.19	
LATITUDE: (N) 38.2269203° LONGITUDE: (W) 82.1669441°	
UTM NAD83 17 - 84W TO 78W, METERS N - 4,231,646.349 : E - 397,872.444	

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

FILE NO.	CA802119 P&A.DGN
DRAWING NO.	CA802119 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 20, 2015  
OPERATOR'S WELL NO. 802119  
API WELL NO. \_\_\_\_\_  
STATE 47 COUNTY 043 PERMIT 01162 P

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

LOCATION: ELEVATION 965' WATER SHED TWO MILE CREEK  
DISTRICT SHERIDAN COUNTY LINCOLN

QUADRANGLE BRANCLAND, WV 7.5'  
SURFACE OWNER JAMES BYRON HATFIELD ACREAGE -  
OIL & GAS ROYALTY OWNER \_\_\_\_\_ LEASE ACREAGE 50

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

FORM WV-6

COUNTY NAME PERMIT

06/19/2015

NSW

Operator: CHESAPEAKE APPALACHIA, L.L.C.  
API: 4301162  
WELL No: 2119  
Reviewed by: gwm Date: 6/16/15  
5 Day End of Comment: 04/20/15

Well is on an  
\* Agreed Order \*

### CHECKLIST FOR FILING A PERMIT

Plugging

CK# 5251659  
\$100.00

- WW-4B
- Inspector signature on WW-4B
- Completion / Well Records of Previous Work
- WW-4A (Notarized)
- Certified Mail Receipts, Waivers, or Affidavits of Personal Service
- Surface Owner Waiver
- Coal Owner / Lessee / Operator Waiver
- WW-9 (Page 1) (Notarized)
- Inspector Signature on WW-9 (Optional)
- Topographic Map of location of well
- WW-7

OR

- Mylar Plat (Surface owner on plat matches WW-4A)
- Bond
- Company is Registered with the SOS
- Worker's Compensation / Unemployment Insurance account is OK
- \$100.00 check (\$0.00 if no pit)