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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

March 10, 2015

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-7900892, 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: 4138  
Farm Name: McCALLISTER, PETER  
**API Well Number: 47-7900892**  
**Permit Type: Plugging**  
Date Issued: 03/10/2015

Promoting a healthy environment.

03/13/2015

## 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.

7900892P

α 5229602  
100<sup>00</sup>

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

1) Date: 1/23/2015  
2) Operator's Well No. 804138 P&A  
3) API Well No. 47-079-00892

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   754'   Watershed   Left Hand Fork of Turkey Creek    
District   Curry   County   Putnam   Quadrangle   Garretts Bend, 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   Jamie Stevens    
Address   105 Kentuck Road    
  Kenna, WV 25248  

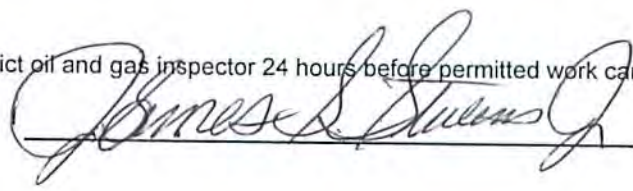
9) Plugging Contractor  
Name   Chesapeake Appalachia, L.L.C.    
Address   P.O. Box 18496    
  Oklahoma City, OK 73154-0496  

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

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

  2/5/2015  

03/13/2015



CHARLESTON DUNBAR NATURAL GAS COMPANY  
 LIMITED PUBLIC GAS COMPANY  
 (INCORPORATED)

Well 804138  
 API 47-079-00892  
 Page 2 of 2  
 MAP SQUARE 44-55

SERIAL WELL No. ~~4138~~ LEASE No. 293

RECORD OF WELL No. <sup>4138</sup> <del>29</del>		on the	CASING AND TUBING			TEST BEFORE SHOT
McCallister Heirs	Farm of	Acres	SIZE	USED IN DRILLING	LEFT IN WELL	30 of Water in 1" inch
in Curry		District	18			10ths of Merc. in inch
Putnam		County	13			10ths Volume 23,640 Cu. ft.
Turkey Creek	Field, State of W. Va.		10		10'	TEST AFTER SHOT 16 Hrs
			8 1-4			16 of Water in 2" inch
Rig Commenced	Nov. 7th,	1929.	6 5-8		125'	10ths About in inch
Rig Completed	Nov. 11th,	1929.	5 3-16		1396'	10ths Volume 186,000 Cu. ft.
Drilling Commenced	April 1st,	1929.	4 7-8			Rock Pressure 342
Drilling Completed	April 22nd,	1929.	4			Date Shot 4-23-29.
Drilling to cost	per foot		3		2140'	Size of Torpedo 30 Qts.
Contractor is:			2			Oil Flowed bbls. 1st 24 hrs.
Address:			SHUT IN			Oil Pumped bbls. 1st 24 hrs.
Drillers' Names			Date 4-26-1929.			Well abandoned and
			3 in Tubing or Casing			Plugged 19
			Size of Packer 3"x5-3/16x16"			or, and
			Kind of Packer Parmaco Anchor			Parmaco Seed Bag Packer.
		Length of 18'11"	1st Perf. Set 2102'11" to 2121' on Bottom			
		21'3"	2nd Perf. Set 2058'7" to 2079'10"			

Drilled Deeper

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Big Injun sand	1579'	1625'	46'	Started Drilling at 1592 1/2'
Big Lime	1625'	1850'	225'	
White Slate	1850'	2030'	180'	
Lime Shell	2030'	2045'	15'	
Brown Shale	2045'	2060'	15'	1 st. Gas from 2060' to 2063'
Berea Sand	2060'	2081'	21'	Test 6/10 Water in 1" Opening.
Slate & Shells	2081'	2120'	39'	2nd, Gas 2071' to 2081'
Total Depth		2121'		Test 30/10 water in 1" Opening.
				Drilled a 40' Pocket below Berea.
				1st Packer is a 3"x5-3/16x16"
				Parmaco Anchor Packer set 2037'1" down or 83'11" off bottom.
				2nd, Packer is a 3"x5-3/16x10"
				Parmaco Seed bag Packer set 1687'9" Down or 433'3" from bottom.
				This well formally produced from Big Lime & Big Injun Sand.
				There is a 5" hole from Big Lime to and thru the Berea Sand.

RECEIVED 03/13/2015  
 Office of Oil and Gas  
 JAN 29 2015  
 WV Department of Environmental Protection



UNITED FUEL GAS COMPANY  
(INCORPORATED)

Well 804138  
API 47-079-00892  
Page 1 of 2

Serial Well No. **4138** Lease No. **293** Map Square

RECORD OF WELL No. <b>4138</b> on the <b>McCallister</b> Farm of Acres District <b>Putnam</b> County <b>Turkey Creek</b> Field, State of <b>W. Va.</b>		CASING AND TUBING			TEST BEFORE SHOT	
		Size	Used in Drilling	Left in Well	of Water in ..... inch 10ths of Merc. in ..... inch 10ths Volume ..... Cu. ft.	
		16				
		13				
		10	<b>10'</b>	<b>10'</b>	TEST AFTER SHOT	
		8 1-4			of Water in ..... inch 10ths of Merc. in ..... inch 10ths Volume ..... Cu. ft.	
Rig Commenced 192		65-8	<b>125'</b>	<b>125'</b>	Rock pressure	
Rig Completed 192		53-16			Date shot .....	
Drilling Commenced <b>Sept 8, 1905</b> 192		47-8			Size of Torpedo	
Drilling Completed <b>Sept 26, 1905</b> 192		4			Oil Flowed ..... bbls. 1st 24 hrs.	
Drilling to cost <b>\$1.00</b> per foot		3			Oil Pumped ..... bbls. 1st 24 hrs.	
Contractor is: <b>Chamberlin &amp; Co.</b>		2			Well abandoned and Plugged ..... 19	
Address:		SHUT IN				
Drillers' Names <b>J. H. Fuller</b> <b>J. M. Louden</b>		Date ..... <b>2</b> in Tubing or <del>XXXX</del>				
		Size of Packer .....				
		Kind of Packer .....				
		1st Perf. Set ..... from				
		2nd Perf. Set ..... from				

DRILLER'S RECORD

Formation	Top	Bottom	Thickness	Remarks
Gravel	0	10		Big Lime 1395 1574
Sand	10	30		Slate 1574 1579
Slate & Shells	30	260		Big Injun 1579 1592
Sand	260	350		Total depth 1592
Slate	350	380		
Sand	360	420		
Slate	420	430		Water enough to drill at 200'.
Sand	430	460		Gas at 350'
Slate	460	500		Gas & Water at 715'.
Sand	500	580		First pay at 361' - 31' in sand
Slate	580	590		Second pay at 381' - 51' in sand.
Sand	590	650		Third pay at 395'.
Slate	650	720		Water & Gas at 995'.
Sand	720	740		Gas at 1582'.
Slate	740	770		
Sand	770	795		
Slate	795	805		
Limestone	805	830		
Sand	830	883		
Slate	883	888		
Sand	888	897		
Drilled deeper 10-15-1912 to 11-28-1912 by J. W. Ramsey & Co.				
Sand	897	911		
Slate	911	915		
Salt Sand	915	1360		

1-31-29  
1604'-10" 3" Line Pipe  
Put in Well  
DT #

RECEIVED  
Office of Oil and Gas  
JAN 29 2015  
03/13/2015  
WV Department of  
Environmental Protection

49' Excav  
39  
42' Spec. ✓



WW4-A  
Revised  
2/01

1) Date: 1/23/2015  
2) Operator's Well No. 804138 P&A  
3) API Well No. 47-079-00892

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 Orman P. & Joshua Paul Yeager  
Address 456 Left hand Turkey Creek  
Hurricane, WV 25526  
  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
  
6) Inspector Jamie Stevens  
Address 105 Kentuck Road  
Kenna, WV 25248  
  
Telephone 304-206-7775

5) Coal Operator  
(a) Name None  
Address \_\_\_\_\_  
  
Coal Owner(s) with Declaration  
(b) Name See Attached Sheet  
Address for Coal Owners  
  
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: Manager - Operations, Appalachia South  
Address: P.O. Box 18496  
Oklahoma City, OK 73154-0496  
Telephone: 405-935-4073

Subscribed and sworn before me this 26<sup>th</sup> day of January the year of 2015  
Phyllis A. Copley Notary Public  
My Commission Expires September 16, 2018  
Form WW-9

12-1-15



12-1-15

## 804138 P&amp;A COAL OWNERS

DENNY JAMES L  
21 Jefferson Park  
Hurricane, WV 25526 ✓

HOLLISTER LOIS  
3413 Wintergreen Terrace  
Grapevine, TX 76051 ✓

COLVIN LOIS D  
1487 East Mattie Rd  
Box 132C  
Breezewood, PA 15533 ✓

MCKINNEY SR RALPH E  
PO Box 103  
Hometown, WV 25109 ✓

BARBEE BERNARD J  
1620 Old Harmony Dr.  
Concord, NC 28027 ✓

MCCALLISTER  
BOBBY GLENN  
9238 Serenity PL  
Murrells Inlet, SC 29576 ✓

BARKER BARBARA L  
590 Mitchells Ave.  
Lexington, KY 40503 ✓

SCOTT PATRICIA A BARKER  
26220 South River RD  
Harison Township, MI 48045 ✓

MCCALLISTER JEFFREY W  
Rt2 Box 164 A  
Hurricane, WV 25526 ✓

HIGGINBOTHAM CHARLES J  
1330 13th St  
Nitro, WV 25143 ✓

MCCALLISTER MARSHALL  
Rt 2 Box 162 Turkey Creek Rd  
Hurricane, WV 25526 ✓

HARTWELL DONALD E  
4638 Wisteria Drive  
Zephyrhills, FL 33541 ✓

MCCALLISTER GARY  
5104 NW 64th Ter  
Lauderhill, FL 33319 ✓

WRIGHT ROGER L  
106 Christian Road  
Beckley, WV 25801 ✓

HARTWELL RICHARD S  
14595 Oliver Street  
Largo, FL 33774 ✓

MCCALLISTER HOMER D  
217 Snowy Owl Lane  
Hurricane, WV 25526 ✓

MCCALLISTER JESSIE O  
Rt 2 Box 164  
Hurricane, WV 25526 ✓

HELMS SYBIL GARNETH  
1559 Apploton Court  
Columbus, OH 43232 ✓

DINGESS DAISY  
2767 Prine Ridge Drive  
Titusville, FL 32780 ✓

MCCALLISTER LORRAINE K  
9125 Bradley Dr  
N Richlands, TX 76180 ✓

HAGER CRETTE LOUISE  
4008 Noyes Avenue  
Charleston, WV 25304 ✓

BYUS ROBERT F  
373 Second Street  
Madison, WV 25130 ✓

KIRK CECIL C  
5517 Toledo Ave.  
Charleston, WV 25304 ✓

MCCALLISTER EMMA  
108 Woodbridge Drive  
Charleston, WV 25311 ✓

BASS DORIS JEAN  
2601 Oakland, Apt. A110  
Elkhart, IN 46517 ✓

JUDE BETTY J  
118 Happy Valley Rd  
S Williamson, KY 41503 ✓



Well # 804138  
API # 47079-00892 P

7010 3090 0002 9275 3608

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 Beckley, WV 25801

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Environmental Protection



Well # 804138  
API# 47-079-00892P

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804138 P&A (Coal)  
Lorraine K. McCallister  
9125 Bradley Drive  
N Richlands, TX 76180

Sent  Street or PO City, State

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804138 P&A (Coal)  
Sybil Garneth Helms  
1559 Apploton Court  
Columbus, OH 43232

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804138 P&A (Coal)  
Emma McCallister  
108 Woodbridge Drive  
Charleston, WV 25311

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Robert F. Byus  
373 Second Street  
Madison, WV 25130

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804138 P&A (Coal)  
Lois D. Colvin  
1487 East Mattie Road, Box 132C  
Breezewood, PA 15533

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804138 P&A (Coal)  
Betty J. Jude  
118 Happy Valley Road  
S Williamson, KY 41503

Sent  Street or PO City, State

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**LARGO FL 33774**

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Return Receipt Fee (Endorsement Required)	2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	0.00	
<b>Total Postage &amp; Fees</b>	<b>7.40</b>	<b>01/26/2015</b>

804138 P&A (Coal)  
Richard S. Hartwell  
14595 Oliver Street  
Largo, FL 33774

Sent  Street or PO City, State

PS Form 3849, October 2013 See Reverse for Instructions

7010 3090 0002 9275 3486

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Return Receipt Fee (Endorsement Required)	2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	0.00	
<b>Total Postage &amp; Fees</b>	<b>7.40</b>	<b>01/26/2015</b>

804138 P&A (Coal)  
Gary McCallister  
5104 NW 64<sup>th</sup> Ter  
Lauderhill, FL 33319

Sent  Street or PO City, State

PS Form 3849, October 2013 See Reverse for Instructions

RECEIVED  
WV Department of Environment & Natural Resources  
Oil and Gas  
Protection

03/13/2015



Well # 804138

API 47-079-00892

7010 3090 0002 9275 3509

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**CONCORD NC 28027**

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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	01/26/2015

804138 P&A (Coal)  
 Bernard J. Barbee  
 1620 Old harmony Drive  
 Concord, NC 28027

Sent To  
 Street, Apt. No. or PO Box No.  
 City, State, ZIP

PS Form 3800

7010 3090 0002 9275 3523

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**ELKHART IN 46517**

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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	01/26/2015

804138 P&A (Coal)  
 Doris Jean Bass  
 2601 Oakland, Apt. A110  
 Elkhart, IN 46517

Sent To  
 Street, Apt. No. or PO Box No.  
 City, State, ZIP

PS Form 3800

7010 3090 0002 9275 3547

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**CHARLESTON WV 25304**

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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	01/26/2015

804138 P&A (Coal)  
 Cretta Louise Hager  
 4008 Noyes Avenue  
 Charleston, WV 25304

Sent To  
 Street, Apt. No. or PO Box No.  
 City, State, ZIP

PS Form 3800

7010 3090 0002 9275 3516

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**OFFICIAL USE**

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	01/26/2015

804138 P&A (Coal)  
 Lois Hollister  
 3413 Wintergreen Terrace  
 Grapevine, TX 76051

Sent To  
 Street, Apt. No. or PO Box No.  
 City, State, ZIP

PS Form 3800

7010 3090 0002 9275 3530

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**CHARLESTON WV 25304**

**OFFICIAL USE**

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	01/26/2015

804138 P&A (Coal)  
 Cecil C. Kirk  
 5517 Toledo Avenue  
 Charleston, WV 25304

Sent To  
 Street, Apt. No. or PO Box No.  
 City, State, ZIP

PS Form 3800

7010 3090 0002 9275 3554

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**TITUSVILLE FL 32780**

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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	01/26/2015

804138 P&A (Coal)  
 Daisy Dingess  
 2767 Pine Ridge Drive  
 Titusville, FL 32780

Sent To  
 Street, Apt. No. or PO Box No.  
 City, State, ZIP

PS Form 3800

7010 3090 0002 9275 3363

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**HURRICANE WV 25526**

**OFFICIAL USE**

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	01/26/2015

804138 P&A (Coal)  
 Jessie O. McCallister  
 Rt 2 Box 164  
 Hurricane, WV 25526

Sent To  
 Street, Apt. No. or PO Box No.  
 City, State, ZIP

PS Form 3800

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 Office of Oil and Gas  
 JAN 28 2015  
 WV Department of  
 Environmental Protection  
 03/13/2015



Well # 804138  
API # 47-079-00892-P

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**HARRISON TOWNSHIP MI 48045**

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	
<b>Total Postage &amp; Fees</b>	<b>\$ 7.40</b>	<b>01/26/2015</b>

**804138 P&A (Coal)**  
Patricia A. Barker Scott  
26220 South River Road  
Harrison Township, MI 48045

Sent To: Patricia A. Barker Scott  
Street, Apt. or PO Box: 26220 South River Road  
City, State: Harrison Township, MI 48045

PS Form 3800, August 2014

7010 3090 0002 9275 3660

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**HURRICANE WV 25526**

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	
<b>Total Postage &amp; Fees</b>	<b>\$ 7.40</b>	<b>01/26/2015</b>

**804138 P&A (Surface)**  
Orman P. & Joshua Pual Yeager  
456 Left Hand Turkey Creek  
Hurricane, WV 25526

Sent To: Orman P. & Joshua Pual Yeager  
Street, Apt. 1 or PO Box No: 456 Left Hand Turkey Creek  
City, State, ZIP: Hurricane, WV 25526

PS Form 3800, August 2014

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**HURRICANE WV 25526**

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	
<b>Total Postage &amp; Fees</b>	<b>\$ 7.40</b>	<b>01/26/2015</b>

**804138 P&A (Coal)**  
James L. Denny  
21 Jefferson Park  
Hurricane, WV 25526

Sent To: James L. Denny  
Street or PO Box: 21 Jefferson Park  
City, State: Hurricane, WV 25526

PS Form 3800, August 2014

7010 3090 0002 9275 3653

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**MURRELLS INLET SC 29576**

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	
<b>Total Postage &amp; Fees</b>	<b>\$ 7.40</b>	<b>01/26/2015</b>

**804138 P&A (Coal)**  
Bobby Glenn McCallister  
9238 Serenity PL  
Murrells Inlet, SC 29576

Sent To: Bobby Glenn McCallister  
Street, Apt. or PO Box No: 9238 Serenity PL  
City, State, ZIP: Murrells Inlet, SC 29576

PS Form 3800, August 2014

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**LEXINGTON KY 40503**

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	
<b>Total</b>	<b>\$ 7.40</b>	<b>01/26/2015</b>

**804138 P&A (Coal)**  
Barbara L. Barker  
590 Mitchells Avenue  
Lexington, KY 40503

Sent To: Barbara L. Barker  
Street or PO Box: 590 Mitchells Avenue  
City, State: Lexington, KY 40503

PS Form 3800, August 2014

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**HOMETOWN WV 25109**

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	
<b>Total Postage &amp; Fees</b>	<b>\$ 7.40</b>	<b>01/26/2015</b>

**804138 P&A (Coal)**  
Ralph E. McKinney Sr.  
P.O. Box 103  
Hometown, WV 25109

Sent To: Ralph E. McKinney Sr.  
Street, Apt. or PO Box: P.O. Box 103  
City, State: Hometown, WV 25109

PS Form 3800, August 2014

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Office of Oil and Gas  
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03/13/2015  
WV Department of  
Environmental Protection



FORM WW-4 (B)  
Reverse

Farm Name \_\_\_\_\_  
API No. 47-079-00892 P  
Peter McCallister  
Well No. 804138 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: \_\_\_\_\_

By: Bernard J. Barber  
Its: P&A Coal Owner

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Office of Oil and Gas  
FEB 12 2015  
WV Department of  
Environmental Protection

03/13/2015

Rev. 02/01

API Number 47-079-00892  
Operator's Well No. 804138 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 Left Hand Fork of turkey Creek Quadrangle Garretts Bend, WV 7.5'

Elevation 754' County Putnam District Curry

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.

RECEIVED  
Office of Oil and Gas

Company Official Signature *David Gocke*

JAN 20 2015

Company Official (Typed Name) David Gocke

Company Official Title Manager - Operations, Appalachia South

WV Department of  
Environmental Protection

Subscribed and sworn before me this 26<sup>th</sup> day of January, 2015.

*Phyllis A. Copley* Notary Public.

My Commission Expires September 16, 2018

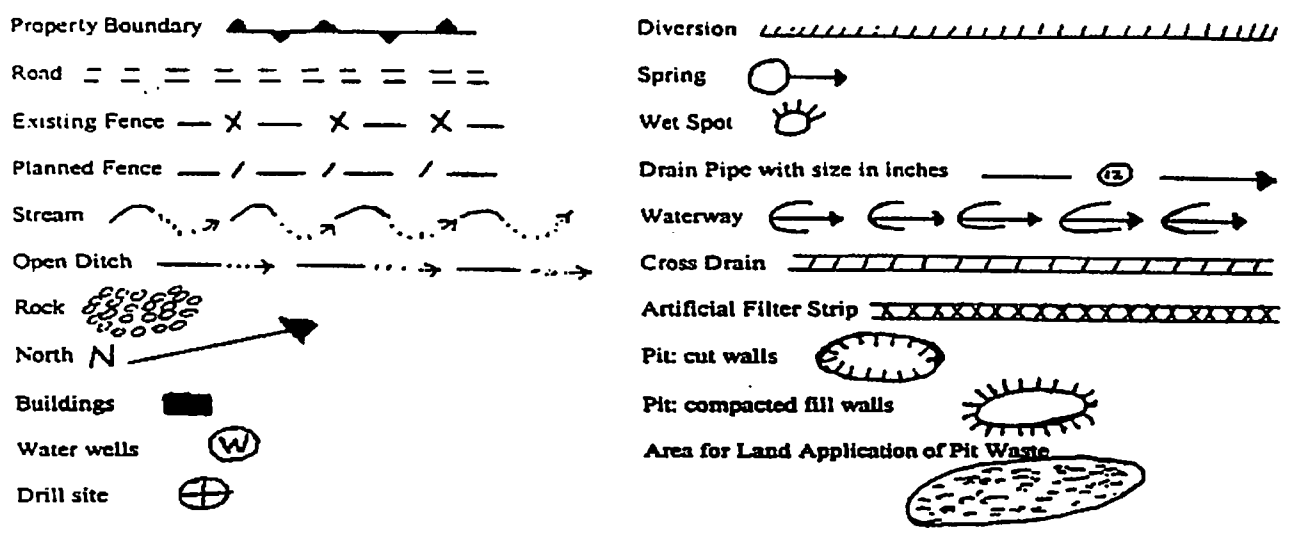




Attachment #1

API #: 47-079-00892  
 Operator's Well No. 804138 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
KY-31	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: *Janie Stevens*

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

Date: 2/5/2015

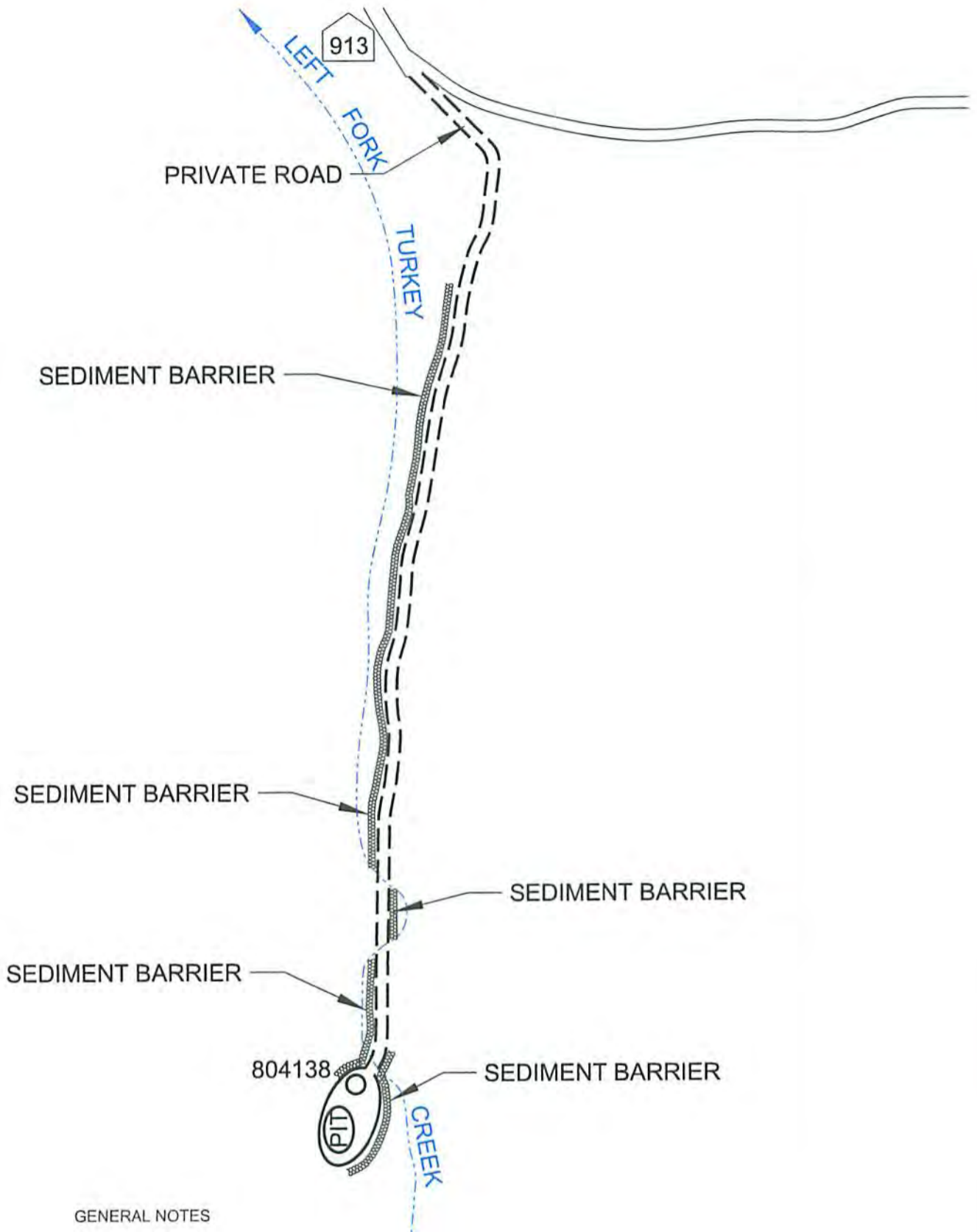
Field Reviewed? (  ) Yes (  ) No

7900892P

# CHESAPEAKE APPALACHIA, L.L.C.

RECLAMATION DIAGRAM  
WELL LOCATION 804138

API 47-079-00892



### 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 and Gas  
03/13/2015

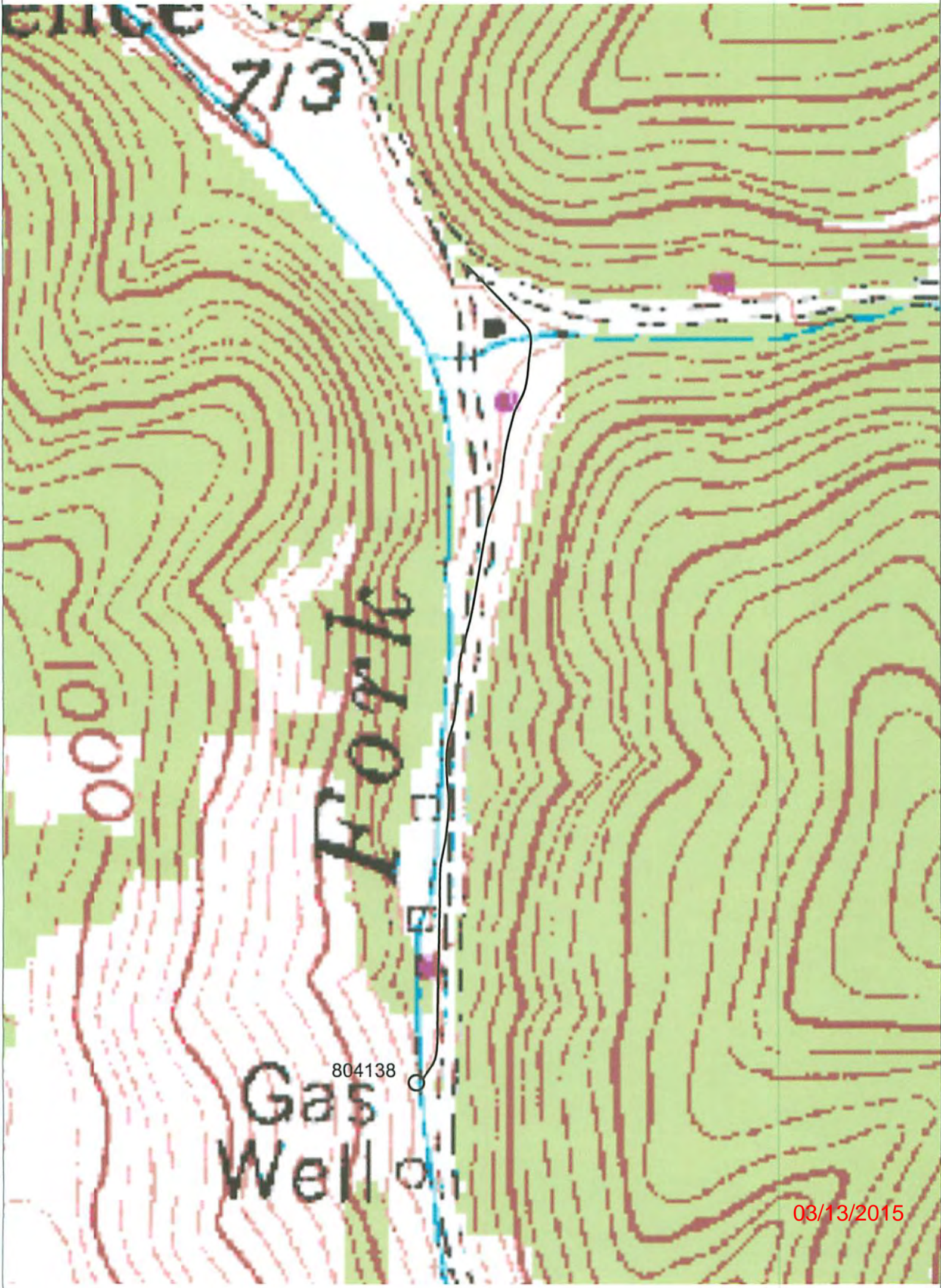
JAN 29 2015

WV Department of  
Environmental Protection



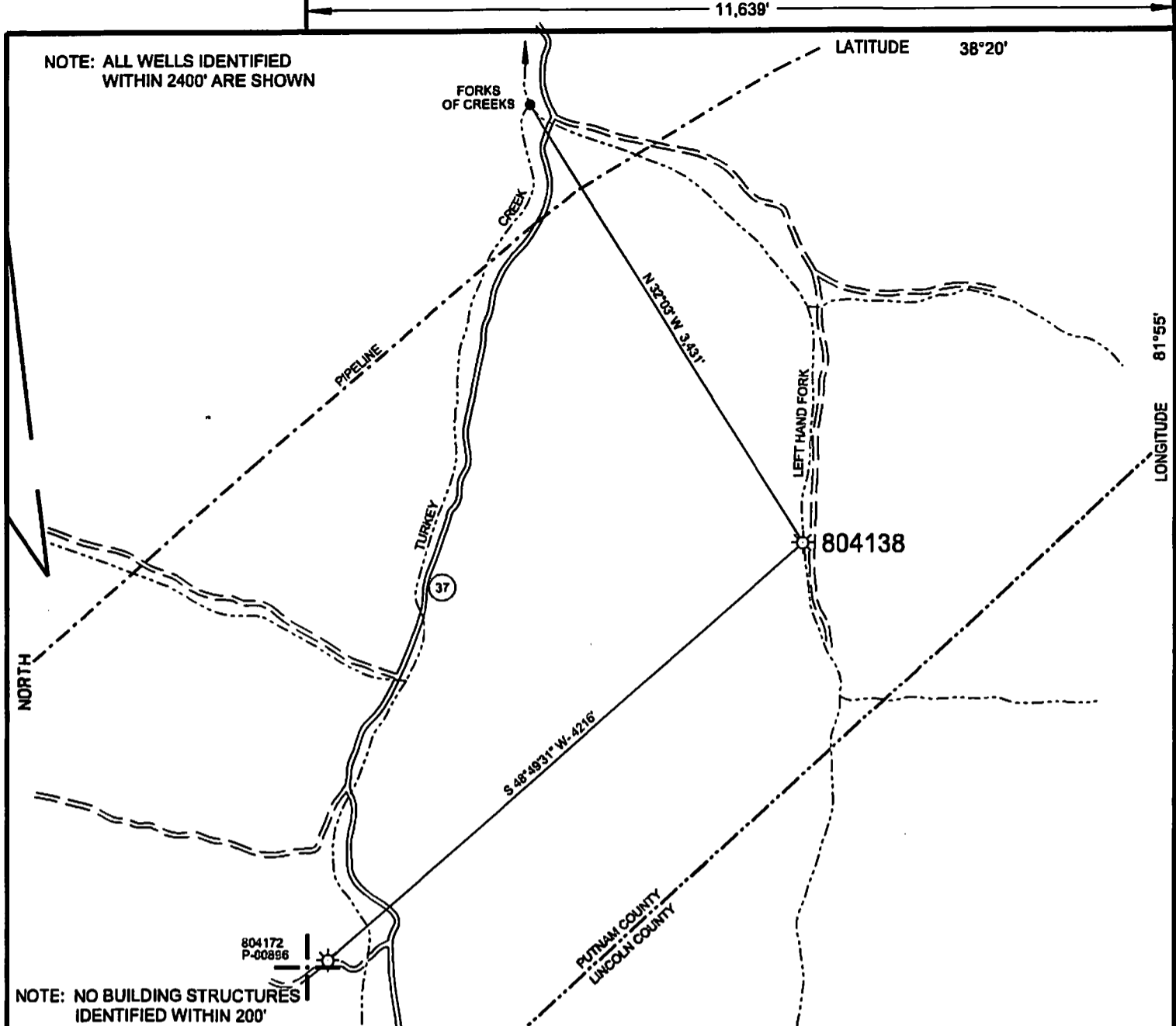
7900892P

CHESAPEAKE APPALACHIA, L.L.C.  
TOPOGRAPHICAL MAP OF ACCESS AND  
WELL LOCATION 804138  
API 47-079-00892



03/13/2015





<b>WELL SITE</b>
STATE PLANE WV SOUTH ZONE NAD 1927 N - 474,492.04 : E - 1,725,311.42
LATITUDE: (N) 38.2991972° LONGITUDE: (W) 81.9572020°
UTM NAD83 17 - 84W TO 78W, METERS N - 4,239,455.977 : E - 416,314.757

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

FILE NO. 804138.DGN

DRAWING NO. 804138 P&A

SCALE 1" = 1000'

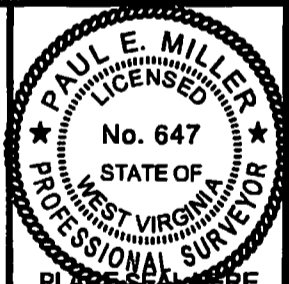
MINIMUM DEGREE OF ACCURACY 1:200

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 JANUARY 21, 20 15

OPERATOR'S WELL NO. 804138

API WELL NO. 47 079 00892 P

STATE COUNTY PERMIT

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

LOCATION: ELEVATION 754' WATER SHED LEFT HAND FORK OF TURKEY CREEK

DISTRICT \_\_\_\_\_ COUNTY PUTNAM

QUADRANGLE GARRETT'S BEND, WV 7.5'

SURFACE OWNER ORMAN P. YEAGER & JOSHUA PAUL YEAGER ACREAGE -

OIL & GAS ROYALTY OWNER \_\_\_\_\_ LEASE ACREAGE \_\_\_\_\_

LEASE NO. 1030380

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

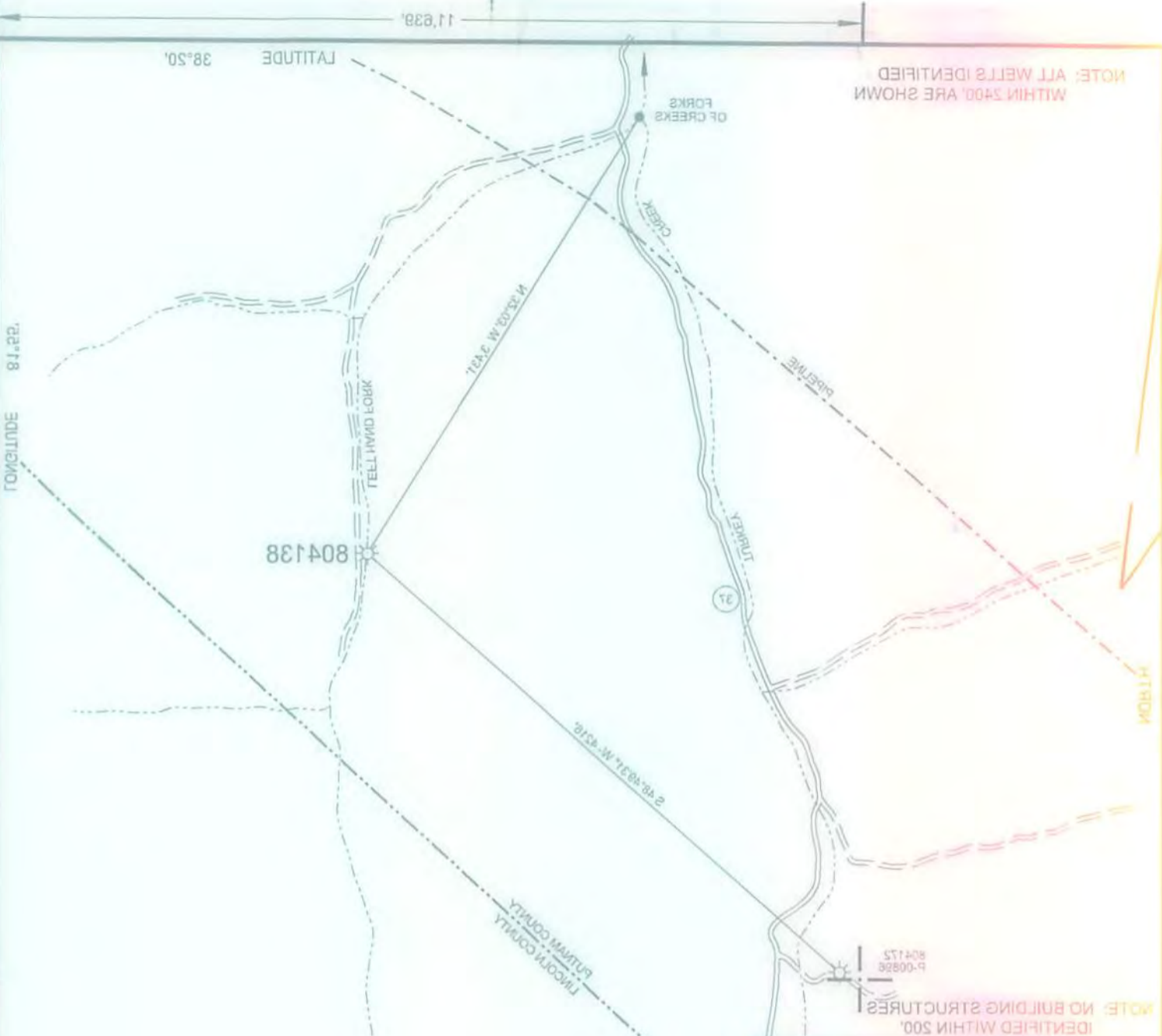
ADDRESS P.O. BOX 18496, OKLAHOMA CITY, OK 73154-0496 ADDRESS CHESAPEAKE APPALACHIA, L.L.C. PO BOX 6070, CHARLESTON, WV 25382

COUNTY NAME \_\_\_\_\_ PERMIT \_\_\_\_\_

FORM WW-6

03/18/2015

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN



WELL SITE
STATE PLANE W-1927
SOUTH ZONE NAD 1987
N - 474,482.04 : E - 1,725,311.42
LATITUDE (N) 38.2891972°
LONGITUDE (W) 81.9572020°
UTM NAD83
17 - 84W TO 78W, METERS
N - 4,238,452.977 : E - 418,314.757

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

FILE NO.	804138 DGN
DRAWING NO.	804138 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) *[Signature]* R.P.E. L.I.S. 647



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



DATE JANUARY 21, 2015  
OPERATOR'S WELL NO. 804138  
API WELL NO. 008929

WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION: 754' WATER SHED: LEFT HAND FORK OF TURKEY CREEK  
 DISTRICT: CURRY COUNTY PUTNAM  
 QUADRANGLE: GARRETT'S BEND, WV 7.5'  
 SURFACE OWNER: ORMAN P. YEAGER & JOSHUA PAUL YEAGER  
 LESSOR: LEASE ACREAGE: 218 ACREAGE  
 LEASE NO. 1030390  
 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 APALACHIA, L.L.C. DESIGNATED AGENT: JESSICA GREATHOUSE  
 ADDRESS: P.O. BOX 18498, OKLAHOMA CITY, OK 73154-0498 ADDRESS: CHESAPEAKE APALACHIA, L.L.C. P.O. BOX 6070, CHARLESTON, WV 25325

03/13/2015