



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

June 10, 2013

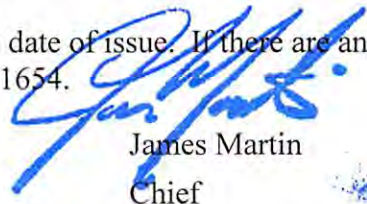
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4301237, 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: 8331

Farm Name: BROWNING, ORA AND RHONDA

API Well Number: 47-4301237

Permit Type: Plugging

Date Issued: 06/10/2013

Promoting a healthy environment.

06/14/2013

4301237 f

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

1) Date: 3/21/2013
2) Operator's Well No. 808331 P&A
3) API Well No. 47-043-01237

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 808' ^{900'} Watershed Copley Trace Branch of Kiah's Creek
 District Hart's Creek County Lincoln Quadrangle Trace, WV 7.5'

6) Well Operator Chesapeake Appalachia, L.L.C. 7) Designated Agent Eric B. Gillespie
 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 Hwy Address P.O. Box 18496
Branchland, WV 25506 Oklahoma City, OK 73154-0496

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

See Attached Sheet

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

Work Order approved by Inspector Barry Shultz Date 3-27-13

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808331 P&A PROCEDURE

- 1) Prepare road and location, MIRU Service Rig
- 2) RIH with tools to check top of fill at approximately 2050'
- 3) Run W.S. to 2050', load hole with gel
- 4) Spot 150' cement plug 2050'-1900', pull W.S. to 1700'
- 5) Spot 100' cement plug 1700'-1600', pull W.S.
- 6) Attempt to pull 5 1/2" casing

5 1/2" CASING AND HOODWALL FACED
 SET @ 1580' (9/20/93)

 - A) If successful
 - a) Run W.S. to 1600', load hole with gel
 - b) Spot 100' cement plug 1600'-1500', pull W.S.
 - c) Proceed to step #7
 - B) If unsuccessful
 - a) Cut 5 1/2" at free-point (approximately 1550') and pull
 - b) Run W.S. to 1600', load hole with gel
 - c) Spot 100' cement plug 1600'-1500', pull W.S.
 - d) Proceed to step #7
- 7) Cut 7" at free-point (approximately 625') and pull
- 8) Run W.S. to 625', load hole with gel
- 9) Spot 150' cement plug 625'-475', pull W.S.
- 10) Attempt to pull 10 3/4" casing
 - A) If successful
 - a) Run W.S. to 300', load hole with gel
 - b) Spot 100' cement plug 300'-200'
 - c) Proceed to step #11
 - B) If unsuccessful
 - a) Run W.S. to 300'
 - b) Spot 100' cement plug 300'-200', pull W.S.
 - c) Cut 10 3/4" at free-point (approximately 125') and pull
 - d) Proceed to step #11
- 11) Pull or run W.S. to 125'
- 12) Spot 125' cement plug 125'-surface
- 13) Pull W.S. and top off with cement
- 14) Erect monument and reclaim as prescribed by law

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4301237P



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Holden

WELL RECORD

Permit No. LIN-1237

Oil or Gas Well Gas
(KIND)

Company <u>United Fuel Gas Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>P. O. Box 1273; Charleston 25, W. Va.</u>	Size			
Farm <u>United Fuel Gas Co. Fee Tr. #13 Acres 825.45</u>	16			Kind of Packer
Location (waters) <u>Copley Trace Branch</u>	13		<u>20'</u>	
Well No. <u>8331</u> Elev. <u>899.60</u>	10 <u>3/4</u>		<u>245</u>	Size of
District <u>Harts Creek</u> County <u>Lincoln</u>	8 <u>1/4</u>		<u>1549</u>	Depth set
The surface of tract is owned in fee by _____	5 3/16			
Address _____	3			Perf. top
Mineral rights are owned by <u>United Fuel Gas Co.</u>	2			Perf. bottom
Address <u>Charleston, W. Va.</u>	Liners Used			Perf. top
Drilling commenced <u>August 15, 1956</u>				Perf. bottom
Drilling completed <u>October 24, 1956</u>				
Date Shot <u>10-26-56</u> From <u>2265</u> To <u>3376</u>				
With <u>7600# Gelatin</u>				
Open Flow <u>7</u> /10ths Water in <u>2</u> Inch				
_____ /10ths Merc. in _____ Inch				
Volume <u>112,000</u> Cu. Ft.				
Rock Pressure <u>415</u> lbs. <u>48</u> hrs.				
Oil _____ bbls., 1st 24 hrs.				
Fresh water <u>60</u> feet _____ feet				
Salt water <u>610</u> feet _____ feet				

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 80 FEET 24 INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	8			
Sand			8	80			Hole full water 60'
Coal			80	82			Hole full salt water 610'
Sand			82	130			
Slate			130	140			Small show gas 1554'
Sand			140	170			
Slate & Shells			170	310			Show gas 1652'
Sand			310	380			
Slate & Shells			380	470			Show gas 1745-1750'
Sand			470	500			
Slate & Shells			500	600			Show gas 2067'
Salt Sand			600	635			
Slate			635	650			Gas 2268' 2/10 W 1" 15 M
Salt Sand			650	760			
Slate			760	780			Show gas 3130'
Sandy Lime			780	855			
Sand			855	990			Gas 3292' 16/10 W 1" 42 M
Slate			990	1000			
Salt Sand			1000	1125			Test before shot 6/10 W 1" 26 M
Slate			1125	1152			Shot 10-26-56 with 7600# Gelatin from 2265-3376'
Hard Sand			1152	1180			
Slate			1180	1203			Test 1 hour after shot 86/10 W 2" 391 M
Sand			1203	1280			Test 18 hours after shot 7/10 W 2" 112 M
Slate			1280	1298			
Sand			1298	1445			
Little Lime			1445	1470			FINAL OPEN FLOW - 112 M - Br. Shale
Slate			1470	1473			48 Hr. R.P. 415#
Rig Lime			1473	1684			
Injun Sand			1684	1720			
Slate & Shells			1720	1900			Shut in 10-27-56 in 7" casing.
Sandy Lime			1900	2010			
Slate & Shells			2010	2238			
Brown Shale			2238	2265			
Berea Sand			2265	2285			
Slate & Shells			2285	3049			
Brown Shale			3049	(Over) 3365			
Slate			3365	3376			
Total Depth			3376'				



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Office of Oil and Gas
MAY 28 2011
WV Department of Environmental Protection

06/14/2013

43012379

WW4-A
Revised
2/01

1) Date: 5/17/2013
2) Operator's Well No. 808331 P&A
3) API Well No. 47-043-01237

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 Ora & Rhonda Browning ✓
Address P.O. Box 170
Verdunville, WV 25649
(b) Name Roy McCown ✓
Address 605 Riverside Drive
Chesapeake, Ohio 45619
(c) Name See attached sheet for ✓
Address access road owners
6) Inspector Ralph Triplett
Address 5539 McClellan Hwy
Branchland, WV 25506
Telephone 304-389-0350

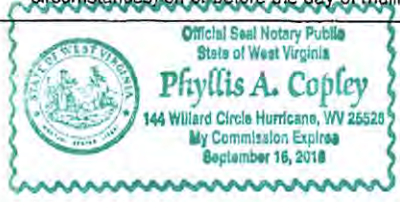
5) Coal Operator
(a) Name Argus Energy WV, LLC ✓
Address 9104 Twelvepole Creek Road
Dunlow, WV 25511
Coal Owner(s) with Declaration
(b) Name Southern Region Industrial Realty, Inc. ✓
Address 800 Princeton Avenue
Bluefield, WV 24701
Coal Lessee with Declaration
(c) Name Argus Energy WV, LLC ✓
Address 9104 Twelvepole Creek Road
Dunlow, WV 25511

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: Operations Manager - Devonian District
Address: P.O. Box 18496
Oklahoma City, OK 73154-0496
Telephone: 405-935-4073

Subscribed and sworn before me this 21st day of May the year of 2013
Pfiyllis A. Copley Notary Public
My Commission Expires September 16, 2018

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MAY 23 2013
Office of Oil and Gas
WV Dept. of Environmental Protection
06/14/2013

API No. 47-043-01237 P
Well No. 808331 P&A

ACCESS ROAD OWNERS

✓ Carol Vance
18 Witcher Branch
Harts, WV 25524

✓ Ricky Meeks
190 Copley Trace
Harts, WV 25524

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4301237A

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 Copley Trace Branch of Kiah's Creek Quadrangle Trace, WV 7.5'
Elevation 955' County Lincoln District Hart's Creek

Description of anticipated Pit Waste: Plugging Returns/Cement

Will a synthetic liner be used in the pit? Yes

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 *David Gocke*

Company Official (Typed Name) David Gocke

Company Official Title Operations Manager - Devonian District

Subscribed and sworn before me this 21st day of May, 2013.

Phyllis A. Copley Notary Public.

My Commission Expires September 16, 2018

Received
MAY 23 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

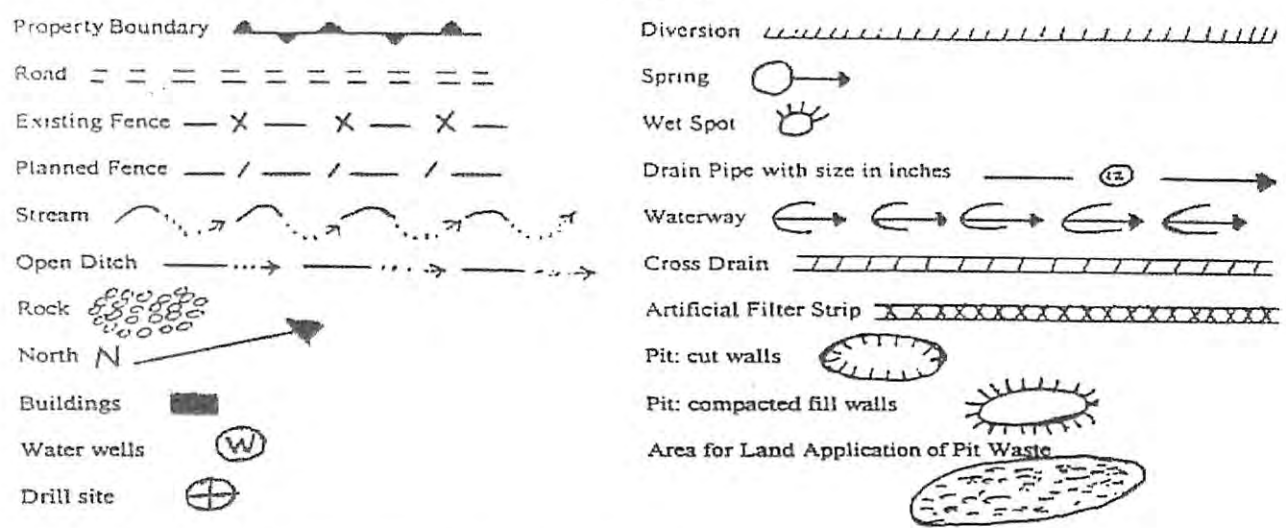


06/14/2013

Attachment #1

API #: 47-043-01237 P
 Operator's Well No. 808331 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

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.

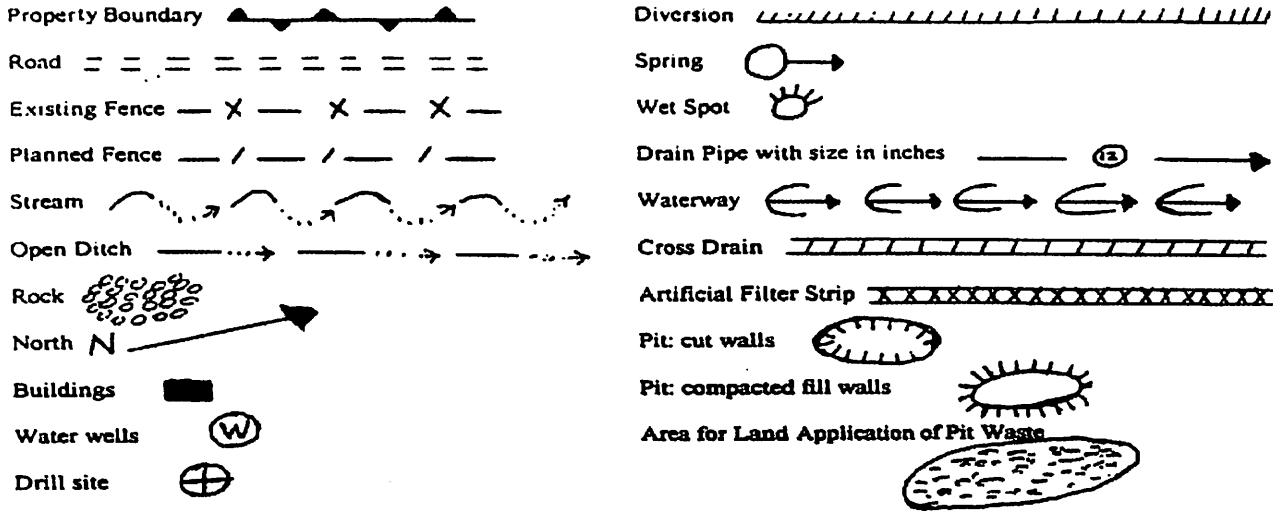
Plan Approved by: Barry Shilts
 Title: inspector
 Date: 3-27-13
 Field Reviewed? () Yes () No

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Attachment #1

API #: 47-043-01237
 Operator's Well No. 808331 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: _____

Title: _____

Date: _____

Field Reviewed? () Yes () No

Received

MAY 23 2013

Office of Oil and Gas
 WV Dept. of Environmental Protection

CHESAPEAKE APPALACHIA, L.L.C.

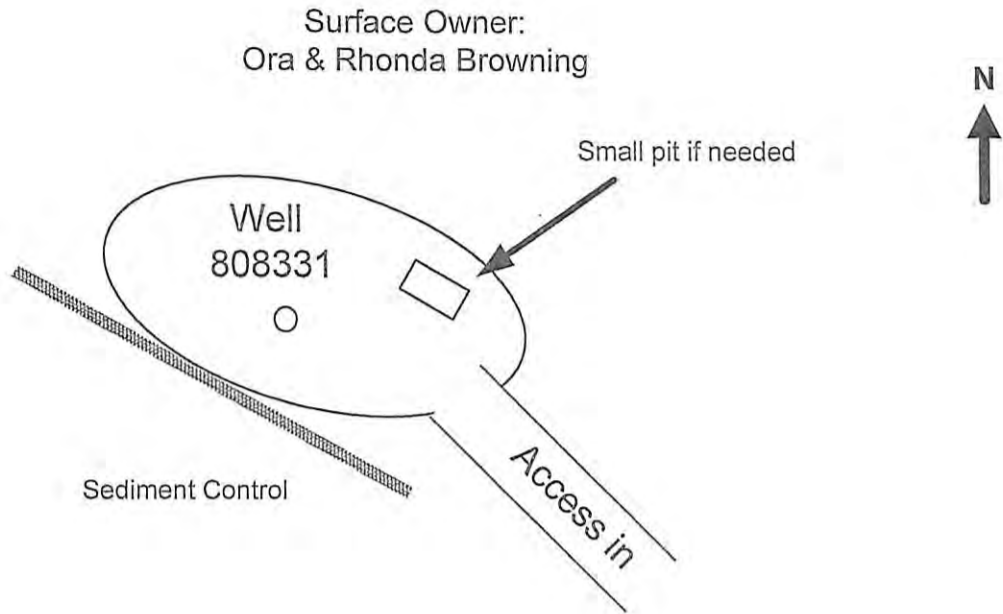
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Diagram of Well 808331

API 47-043-01237

Field Office - Branchland

County - Lincoln



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 and 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 areas that will allow. These structures will be considered permanent and used as such.

Permanent seeding: See Attachment #1

Site Plan

B.S. 3-27-13

Prepared by: Kris Aldridge
Date: 3-22-2013

No Scale

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Topographical Map of Access and

Well Location 808331

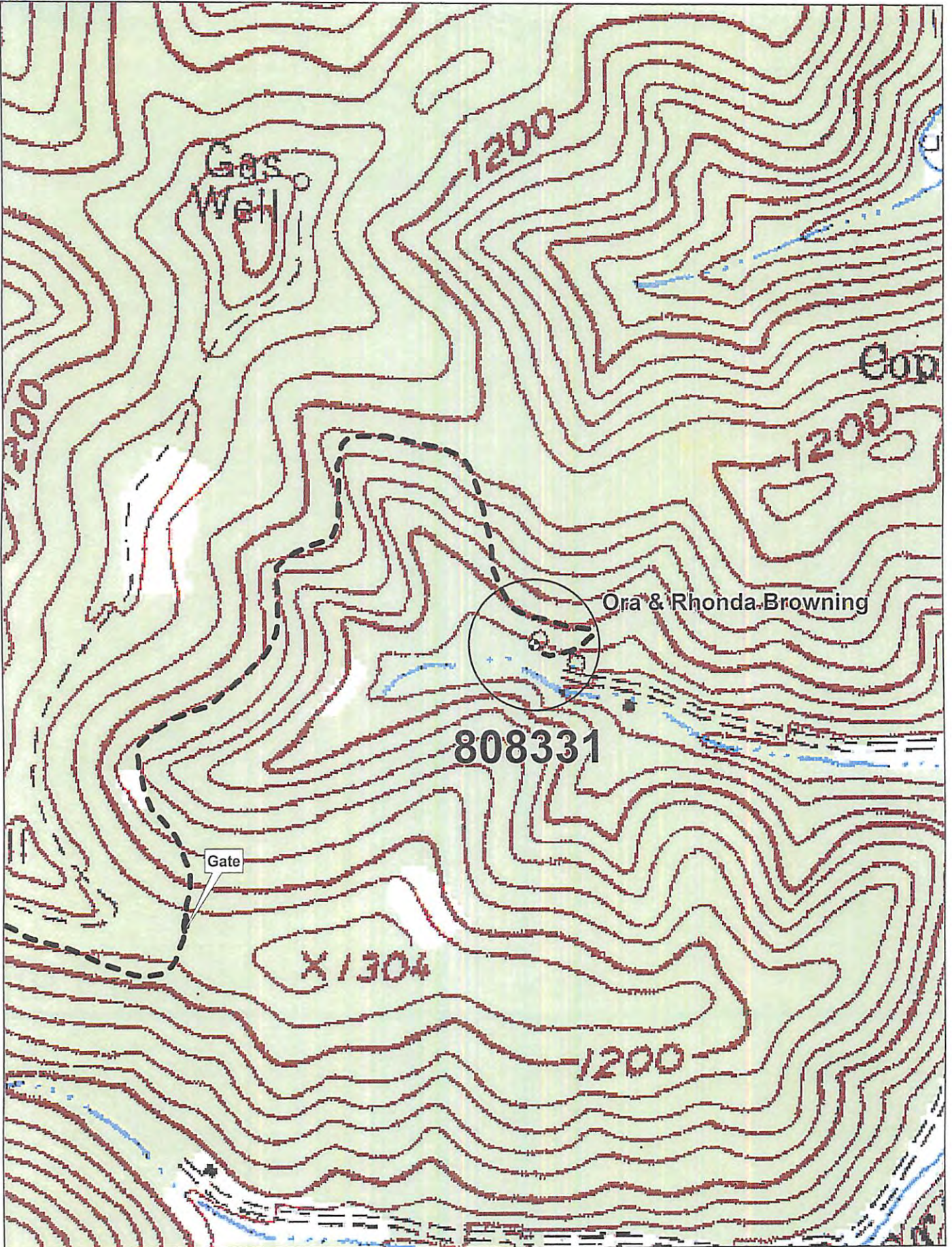
API 47-043-01237

Field Office - Branchland

County - Lincoln

DeLORME

XMap® 7



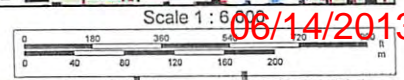
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OK gwm



06/14/2013

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MAY 23 2013

Chesapeake Energy Corporation - Eastern Division
 P.O. Box 579 • 8165 Court Avenue • Hamlin, WV 25523
 304.824.5141 • fax 304.824.2247

Office of Oil and Gas
 WV Dept. of Environmental Protection

CHESAPEAKE APPALACHIA, L.L.C.

4301237A

Topographical Map of Access and

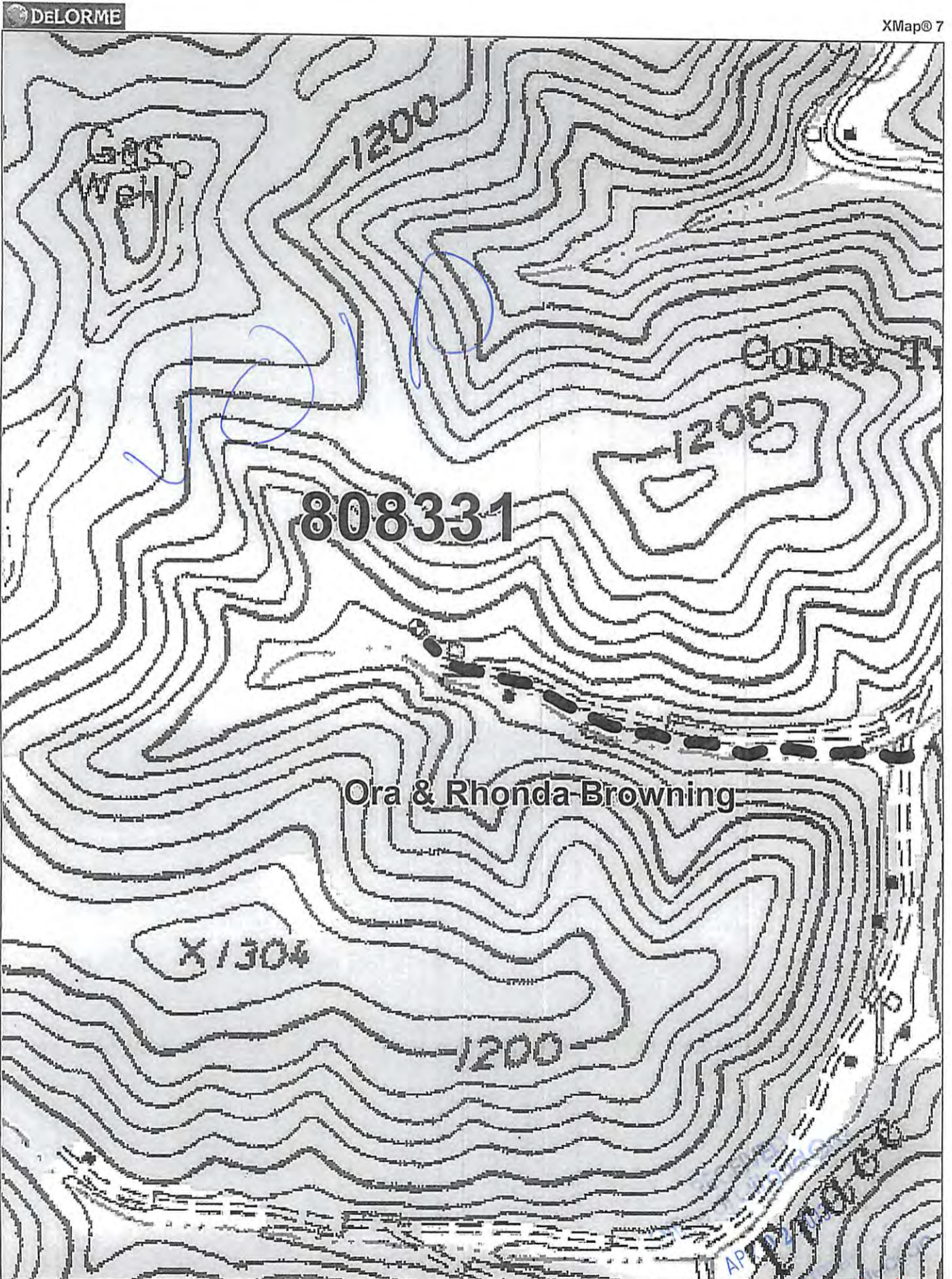
Well Location 808331

API 47-043-01237

Field Office - Branchland

County - Lincoln

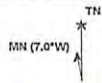
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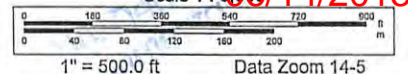
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Scale 1 : 6000



1" = 500.0 ft

Data Zoom 14-5

B.S. 3-27-13

AP 47-043-01237

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

WELL WORK PERMIT

This permit, issued to COLUMBIA NATURAL RESOURCES, INC. is evidence of permission granted to perform the specified well work at the location described on the attached plat, subject to the provisions of Chapters 22 and 22B 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 here to. Notification shall be given to the Oil and Gas Inspector RICHARD CAMPBELL at 304-524-7939 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 setting plugs or pulling casing. Spills or emergency discharges must be reported to 1-800-654-3312.

Upon completion of the plugging well work the above named operator will reclaim the site according to the provisions of WV Code 22B-1-30. The above named operator will also file as required in WV Code 22B-1-23 an affidavit on form WR-38 by two experienced persons and the Oil and Gas inspector.

Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspension or revocation of this permit and in addition may result in civil and/or criminal penalties.

Well work to be conducted under this permit shall be commenced within two (2) years from date of issue.

Theodore M. Streit
Chief

By: Jamie Stevens

Title: Petro. Eng. Tech.

Operator's Well No: 8331
Farm Name: BROWNING, WILLIE
API Well Number : 47- 43-01237 P
Date Issued : 03/11/94
Expires two (2) years from issue date.

4301237P

7,275'

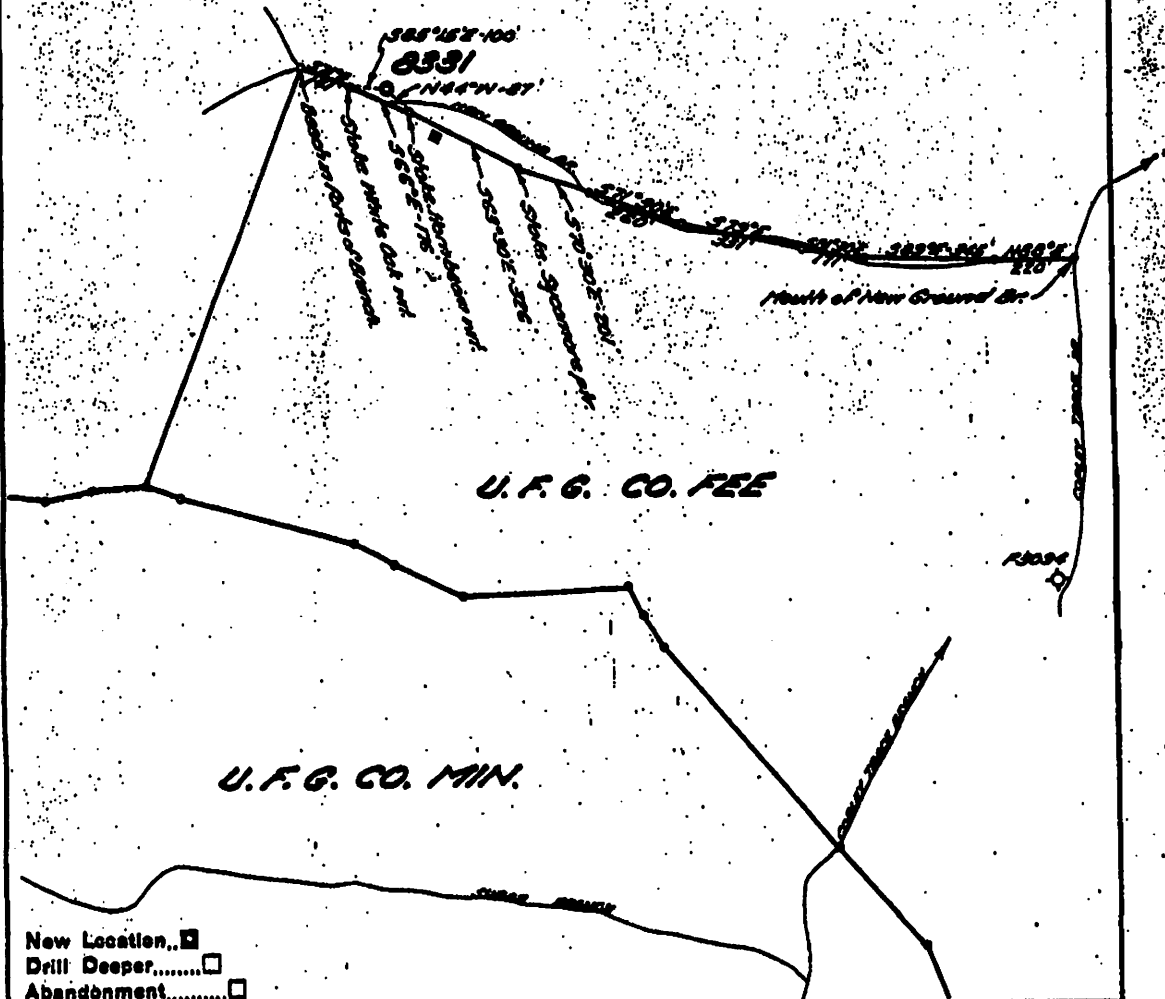
Latitude 38° 00' 00"

Jonie
3/10/94

7 1/2'
TOPO
LO

U.F.G. CO. MIN.

82° 12' 30"
Longitude (82° 12')



Company Amelia Natural Resources
 Address Box 6070, Charleston, WV 25362-0070
 Farm UNITED FUEL GAS CO. FEE
 Tract 13 Acres 325.45 Lease No. NO RES.
 Well (Farm) No. _____ Serial No. 8331
 Elevation (Spirit Level) 899.60'
 Quadrangle (HOLDEN) TRALE 7 1/2'
 County LINCOLN District HARTS CREEK
 Engineer Stephen R. Howell
 Engineer's Registration No. 2529
 File No. 28-33 Drawing No. _____
 Date 5-25-56 Scale 1" = 400'

STATE OF WEST VIRGINIA
 Division of Environmental Protection
 Office of Oil & Gas
 Martin, WV

WELL LOCATION MAP
 Oil Well No. 47-043-01237-P
 Cancelled

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

06/14/2013

4301237P

10-91

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WV Division of
Environmental Protection

MAR 08 94

Permitting
Office of Oil & Gas



STATE OF WEST VIRGINIA

DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS

APPLICATION FOR A PERMIT TO PLUG & ABANDON

1) Date: _____, 19____
2) Operator's Well No. 8331
3) API Well No. 47 - 043 - 1237-P
State County Permit

18796

WELL TYPE: A Oil _____ / Gas X / Liquid injection _____ / Waste disposal _____
B (If "Gas", Production X / Underground storage) _____ / Deep _____ / Shallow X)

LOCATION: Elevation: 899.60 Watershed: Copley Trace Br. of Kiah Creek
District: Harts Creek County: Lincoln Quadrangle: Trace 643

WELL OPERATOR Col. Nat. Res. CODE 10460 7) DESIGNATED AGENT Joe Campbell
Address Po Box 6070 Address "Same"
Charleston, WV 25362-0070

8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Richard S. Campbell
Address PO Box 77
Sumerco, WV 25567
Ph. 524-7939

9) PLUGGING CONTRACTOR
Name _____
Address _____

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

Well bore plugged with cavings from 2054 to 3376.

1. Pull 5 1/2 casing and hookwall packer set at 1580' (Ran 9-20-93).
 2. Run work string to T.D. circulate hole with 6% gel; pump 100' cement plug.
 3. Pull up to 1800'; pump 100' cement plug.
 4. Pull up to 1600'; pump 100' cement plug.
- NOTE: These plugs are to be set before attempting to recover 7" casing.
5. Free point and cut 7" casing pull 3 jts.
 6. Run work string to casing cut and pump 100' cement plug.
 7. Pull 7" casing.
 8. Run work string to 650' and pump 100' cement plug.
 9. Pull up to 350'; pump 100' cement plug.
 10. Pull up to 100' and pump cement to surface.
 11. Erect marker in accordance with state regulations.

OFFICE USE ONLY

PLUGGING PERMIT

Permit number 47-043-1237-P

March 11th. 19 94

Date

This permit covering the well operator and well location shown below is evidence of permission granted to plug in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, subject to any modifications and conditions on the reverse hereof.

Permit expires 3-11-96 unless plugging is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Plugging:	WPCP	OTHER
-------	--------	-------	-----------	------	-------

[Handwritten signatures and initials]
1-25-94

[Handwritten signature: Jimmie Stevens]

Chief, Office of Oil & Gas

NOTE. Keep one copy of this permit posted at the plugging location.

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

06/14/2013

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED PLUGGING

OFFICE USE ONLY

This part of Form WW-4(B) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Follow-up inspection(s)	Date(s)
Application received			
Plugging started		" "	
Plugging completed		" "	
Well Record received		" "	

OTHER INSPECTIONS

Reason: _____

Reason: _____

File

4301237 P

FORM WW-4(A)
Obverse

RECEIVED
Division of
Oil Protection
MAR 08 94
Permitting
Division of Oil & Gas

1) Date: 2/15/, 19 94
Operator's
2) Well No. 8331
3) API Well No. 47 - 043 - 1237-P
State County Permit

STATE OF WEST VIRGINIA
DIVISION OF OIL AND GAS, DEPARTMENT OF ENERGY
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

(i) Name Willie Browning
Address Box 146
Derdunville, WV 25649
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5 (i) COAL OPERATOR Col. Coal Gasification
Address P. O. Box 1180
Ashland, KY 41105
5 (ii) MINERAL OWNERS:
Name CNR
Address _____
5 (iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this form and the following documents:

- (1) The Application to Plug and Abandon a Well on Form WW-4(B), which sets out the parties involved in the work, and describes the well and its location 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 REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM WW-4(B)) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Permit to plug and abandon a well with the Director of the Division of Oil and Gas, West Virginia Department of Energy, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this 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 Director.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

JOSEPH E. CAMPBELL,
This 4th day of March, 1994
My commission expires APRIL 25, 2000

Notary Public Joseph E. Campbell
State of West Virginia
OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
JAY HILL BOLD
200 BENEFREE DRIVE
SCOTT DEPOT, WV 25560
COMMISSION EXPIRES APRIL 25, 2000

WELL
OPERATOR COLUMBIA NATURAL RESOURCES
By Joseph E. Campbell
Its V.P. DRILLING & PRODUCTION OPERATIONS
Address 900 PENNSYLVANIA AVENUE
CHARLESTON, WV 25302
Telephone (304) 353-5000

043-1237P

SERIAL WELL NO. 8331 LEASE NO. No Ref. MAP SQUARE 28-33

RECORD OF WELL NO. <u>8331</u> on the <u>825.45</u> Acres	CASING AND TUBING				TEST BEFORE SHOT
FG Co Fee Tr. #13 farm of <u>Harts Creek</u> District	SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	6 /10 of Water in <u>1"</u>
<u>Lincoln</u> County	<u>13-3/8"</u>	<u>48#</u>	<u>20'</u>	<u>20'</u>	/10 of Merc. in _____
State of: <u>West Virginia</u>	<u>7"</u>	<u>20#</u>	<u>1562'</u>	<u>1562'</u>	Volume <u>26 MCF</u> Cu.
Field: <u>Central Division</u>					TEST AFTER SHOT
Rig Commenced <u>July 23,</u> 19 <u>56</u>					7 /10 of Water in <u>2"</u>
Rig Completed <u>August 9,</u> 19 <u>56</u>					/10 of Merc. in _____
Drilling Commenced <u>August 15,</u> 19 <u>56</u>					Volume <u>112 MCF</u> Cu.
Drilling Completed <u>October 24,</u> 19 <u>56</u>					<u>18</u> Hours After Shot
Drilling to cost _____ per foot					Rock Pressure <u>48 H R.</u> <u>415'</u>
Contractor is: <u>Clarence McIntyre Jr.</u>					Date Shot <u>10-26-56</u>
Address: <u>Frame, W. Va.</u>	SHUT IN				Size of Torpedo <u>7600# Gelati</u>
	Date <u>10-27-56</u>				Oil Flowed _____ bbls. 1st 24 h
Driller's Name <u>D. C. McIntyre</u>	<u>7"</u> in. Casing Tubing or Casing				Oil Pumped _____ bbls. 1st 24 h
	Size of Packer <u>7"X8-5/8"</u>				Well abandoned and
	Kind of Packer <u>Bottom Hole</u>				Plugged _____ 19 _____
	1st. Perf. Set _____ from _____				
Elevation: <u>899.60'</u>	2nd Perf. Set _____ from _____				

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface	0	8	8	
Sand	8	80	72	Water @ 60' - Hole Full
Coal	80	82	2	
Sand	82	130	48	
Slate	130	140	10	
Sand	140	170	30	
Slate & Shells	170	310	140	
Sand	310	380	70	
Slate & Shells	380	470	90	
Sand	470	500	30	
Slate & Shells	500	600	100	
Salt Sand	600	635	35	Salt Water @ 610' - Hole Full
Slate	635	650	15	
Salt Sand	650	760	110	
Slate	760	780	20	
Sandy Lime	780	855	75	
Sand	855	990	135	

APPROVED

W. H. Chapman
DIVISION SUPERINTENDENT

043-0237-P

Is your RETURN ADDRESS completed on the reverse side? SENDER: • Complete items 1 and/or 2 for additional services. • Complete items 3, and 4a & b. • Print your name and address on the reverse of this form so that we can return this card to you. • Attach this form to the front of the mailpiece, or on the back if space does not permit. • Write "Return Receipt Requested" on the mailpiece below the article number. • The Return Receipt will show to whom the article was delivered and the date delivered.	I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
	3. Article Addressed to: Well 8331 Willie Browning Box 146 Derdunville, WV 25649	4a. Article Number P35C19738107
5. Signature (Addressee)	7. Date of Delivery 3-22-94	
6. Signature (Agent) <i>Willie Browning</i>	8. Addressee's Address (Only if requested and fee is paid)	

PS Form 3811, December 1991 ☆ U.S.G.P.O.: 1992-307-530 DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side? SENDER: • Complete items 1 and/or 2 for additional services. • Complete items 3, and 4a & b. • Print your name and address on the reverse of this form so that we can return this card to you. • Attach this form to the front of the mailpiece, or on the back if space does not permit. • Write "Return Receipt Requested" on the mailpiece below the article number. • The Return Receipt will show to whom the article was delivered and the date delivered.	I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
	3. Article Addressed to: Well 8331 Columbia Coal Gasification P. O. Box 1180 Ashland, KY 41105	4a. Article Number P354973818
5. Signature (Addressee)	7. Date of Delivery 3-8-94	
6. Signature (Agent) <i>D. Blagg</i>	8. Addressee's Address (Only if requested and fee is paid)	

PS Form 3811, December 1991 ☆ U.S.G.P.O.: 1992-307-530 DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

4301237A

WW4-A
Revised
2/01

1) Date: 3/21/2013
2) Operator's Well No. 808331 P&A
3) API Well No. 47-043-01237

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 Ora & Rhonda Browning
Address P.O. Box 170
Verdunville, WV 25649

(b) Name _____
Address _____

(c) Name _____
Address _____

6) Inspector Ralph Triplett
Address 5539 McClellan Hwy
Branchland, WV 25506
Telephone 304-389-0350

5) Coal Operator
(a) Name Argus Energy WV, LLC
Address 9104 Twelvepole Creek Road
Dunlow, WV 25511

Coal Owner(s) with Declaration
(b) Name Southern Region Industrial Realty, Inc.
Address 800 Princeton Avenue
Bluefield, WV 24701

Name _____
Address _____

Coal Lessee with Declaration
(c) Name Argus Energy WV, LLC
Address 9104 Twelvepole Creek Road
Dunlow, WV 25511

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: Operations Manager - Devonian District
Address: P.O. Box 18496
Oklahoma City, OK 73154-0496
Telephone: 405-935-4073

Subscribed and sworn before me this 22nd day of March the year of 2013

My Commission Expires September 16, 2018 [Signature] Notary Public

RECEIVED
Office of Oil and Gas

MAR 28 2013

WV Department of
Environmental Protection



06/14/2013

4301237P

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Return Receipt Fee (Endorsement Required)	\$2.55	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 6.97	03/25/2013

Sent To **808331 P&A**
 Street, Apt. Ora & Rhonda Browning
 or PO Box P.O. Box 170
 City, State, Verdunville, WV 25649

#1971669
\$100.09

7012 1640 0000 0167 9383

U.S. Postal Service™
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DUNLOW WV 25511

Postage	\$ 1.32	0523
Certified Fee	\$3.10	05
Return Receipt Fee (Endorsement Required)	\$2.55	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 6.97	03/25/2013

Sr **808331 P&A**
 Argus Energy WV, LLC
 9104 Twelvepole Creek Road
 Dunlow, WV 25511

RECEIVED
Office of Oil and Gas
MAR 28 2013
WV Department of
Environmental Protection

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BLUEFIELD WV 24701

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Certified Fee	\$3.10	05
Return Receipt Fee (Endorsement Required)	\$2.55	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 6.97	03/25/2013

Sr **808331 P&A**
 Southern Region Industrial Realty, Inc.
 800 Princeton Avenue
 Bluefield, WV 24701

06/14/2013