



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.

4301237 P

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 HOEKWALL PACKED
 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 United Fuel Gas Company
 Address P. O. Box 1273; Charleston 25, W. Va.
 Farm United Fuel Gas Co. Fee Tr. #13 Acres 825.45
 Location (waters) Copley Trace Branch
 Well No. 8331 Elev. 899.60
 District Harts Creek County Lincoln
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by United Fuel Gas Co.
 Address Charleston, W. Va.
 Drilling commenced August 15, 1956
 Drilling completed October 24, 1956
 Date Shot 10-26-56 From 2265 To 3376
 With 7600# Gelatin
 Open Flow 7 /10ths Water in 2 Inch
 _____ /10ths Merc. in _____ Inch
 Volume 112,000 Cu. Ft.
 Rock Pressure 415 lbs. 48 hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water 60 feet _____ feet
 Salt water 610 feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18		<u>20'</u>	
10 <u>3/4</u>		<u>245</u>	Size of
8 <u>1/4</u>			
7 <u>000</u>		<u>1549</u>	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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	Hole full water	60'	
Sand			8	80			
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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MAY 28 2011
WV Department of Environmental Protection

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

Name _____
Address _____

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

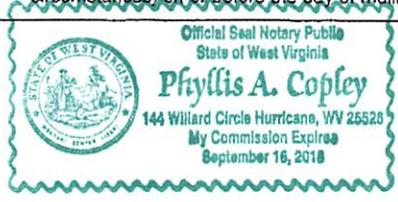
Name _____
Address _____

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed the Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of the Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator: Chesapeake Appalachia, L.L.C.
By: [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
Pfyllis A. Copley Notary Public
My Commission Expires September 16, 2018

Received
MAY 23 2013
Office of Oil and Gas
WV Dept. of Environmental Protection

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

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

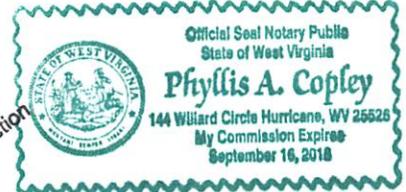
Subscribed and sworn before me this 21st day of May, 2013.

Phyllis A. Copley Notary Public.

My Commission Expires September 16, 2018

Received
MAY 23 2013

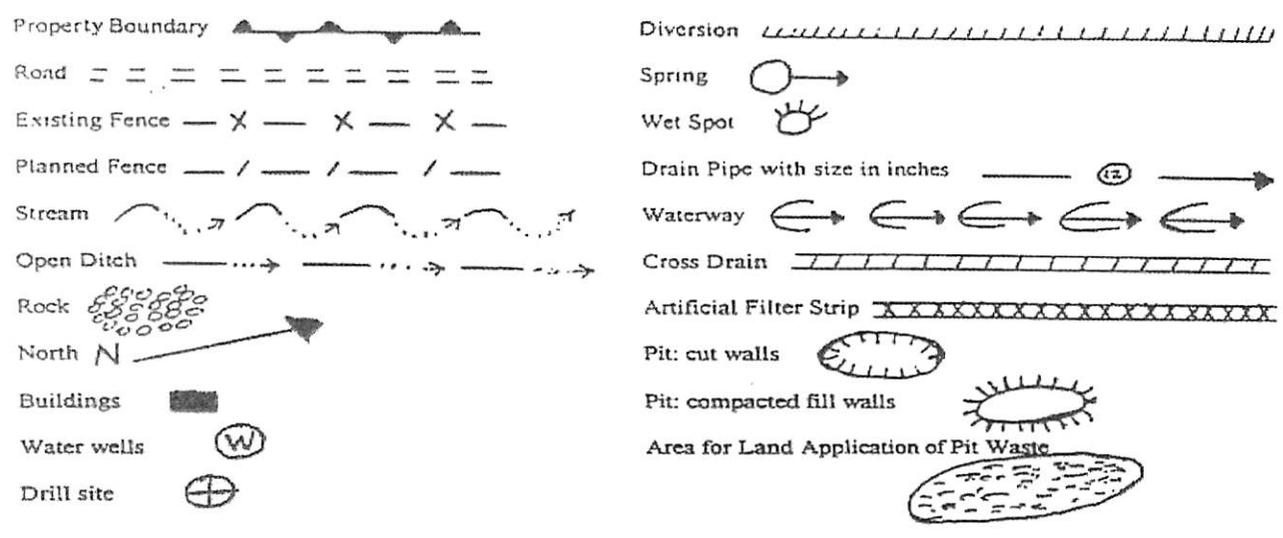
Office of Oil and Gas
WV Dept. of Environmental Protection



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.

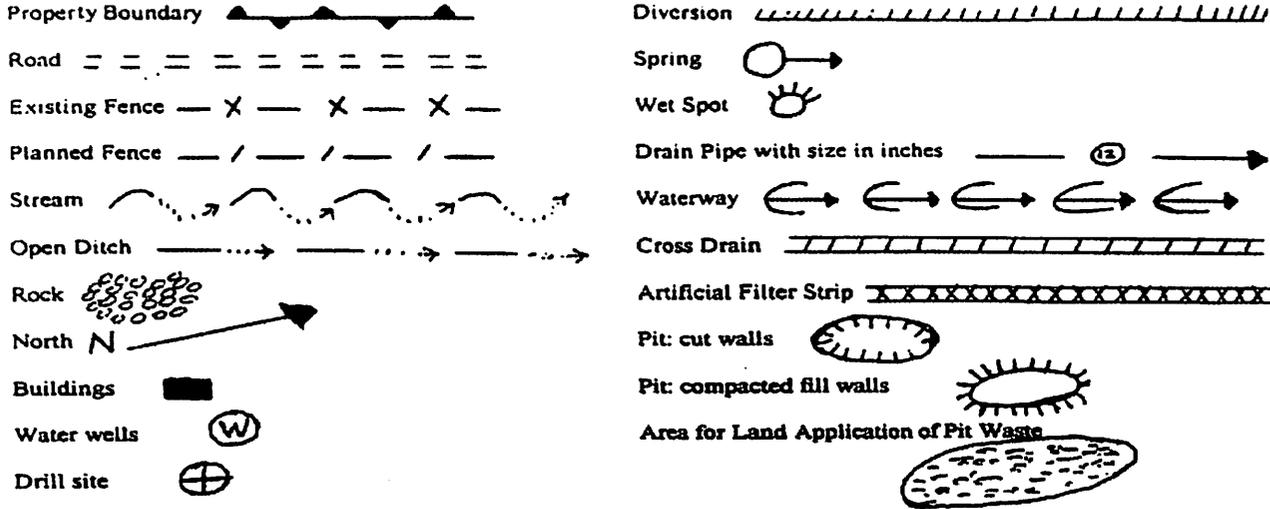
Plan Approved by: Barry Shilp
 Title: inspector
 Date: 3-27-13
 Field Reviewed? () Yes () No

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 Environmental Protection

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

CHESAPEAKE APPALACHIA, L.L.C.

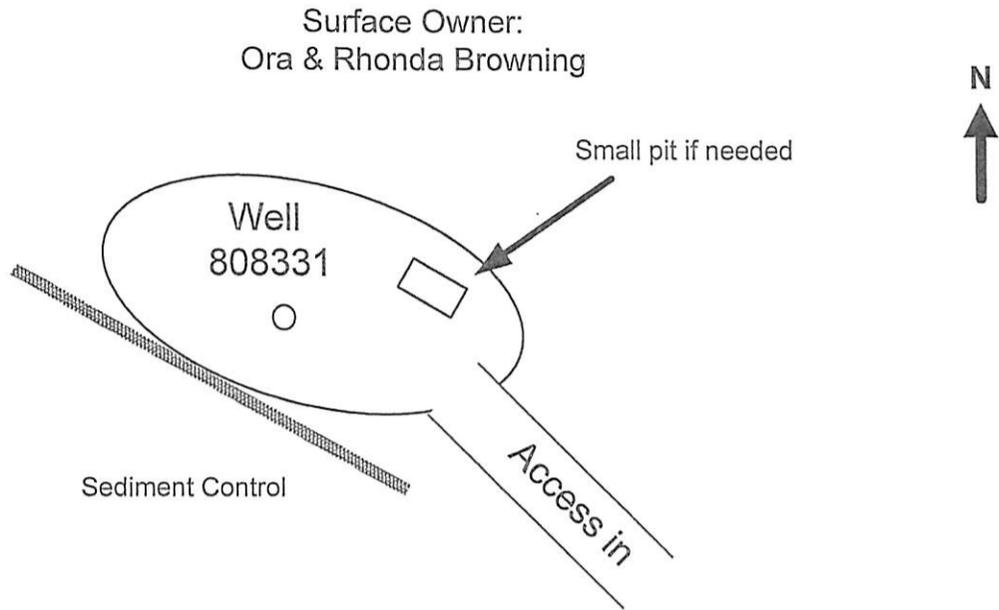
4301237A

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

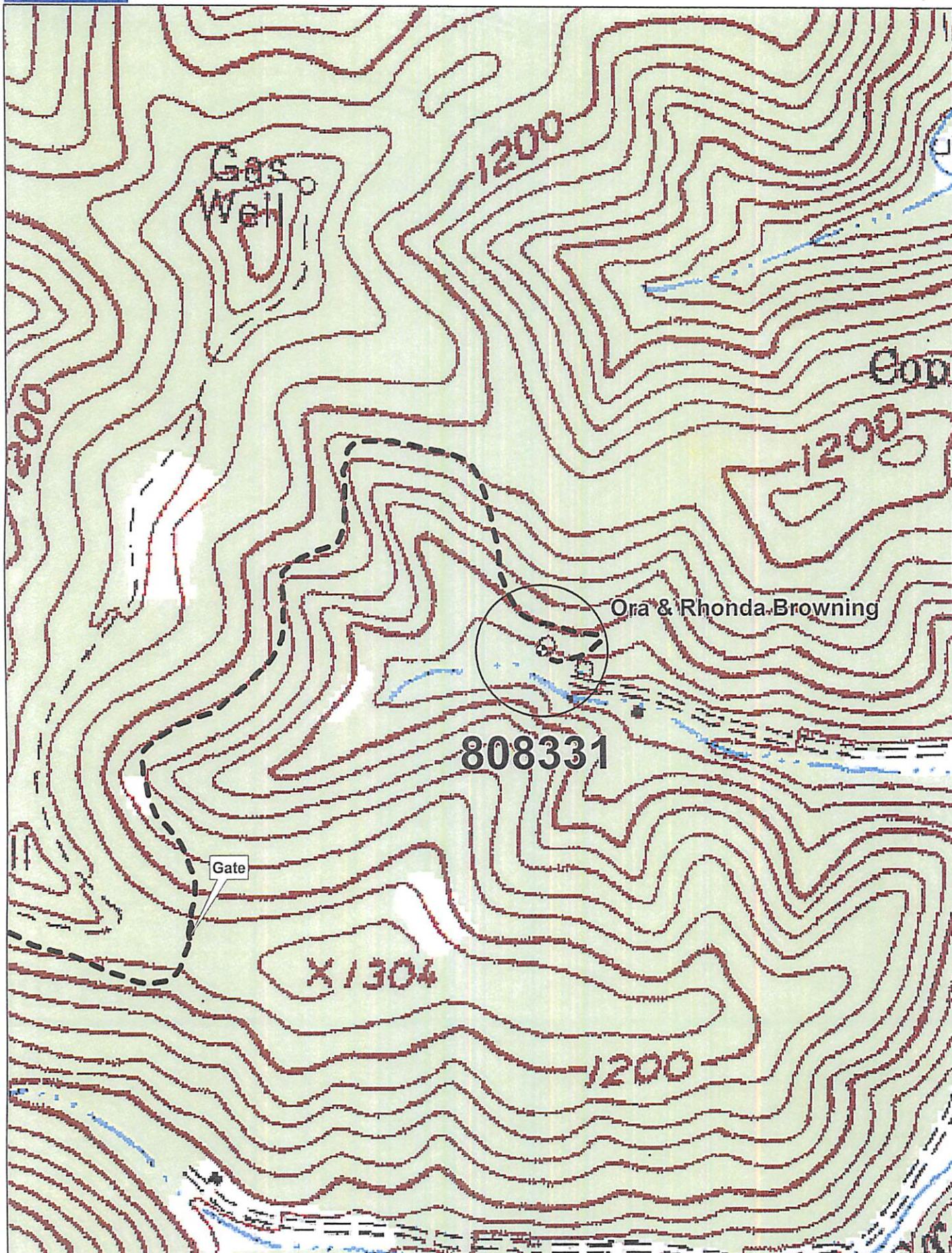
API 47-043-01237

Field Office - Branchland

County - Lincoln

DeLORME

XMap® 7



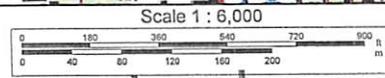
Data use subject to license.

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www.delorme.com



OK gwm



Received

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

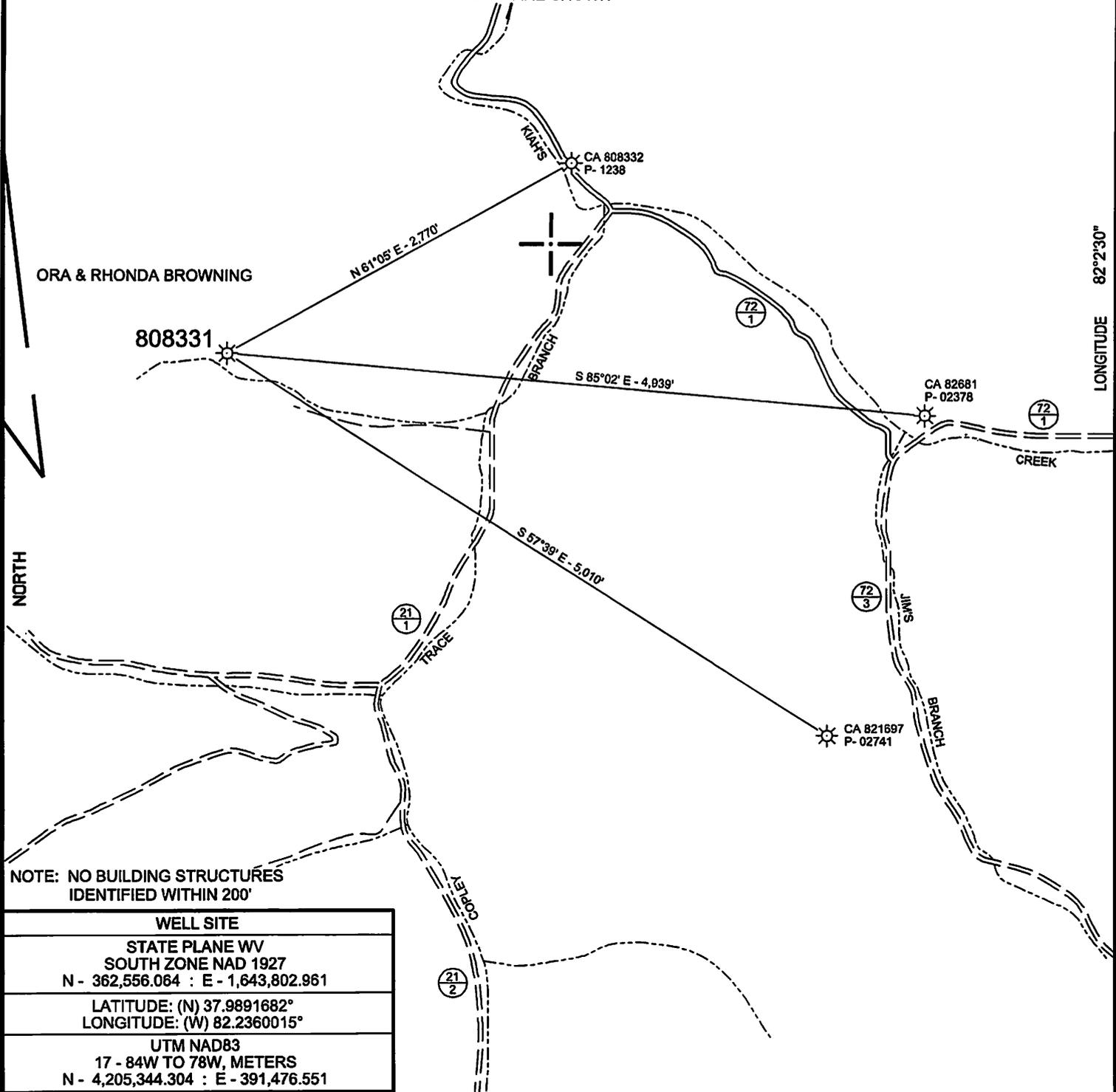
NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

LATITUDE 38°00'00"

7,971'

3,950'

LONGITUDE 82°2'30"



ORA & RHONDA BROWNING

808331

S 85°02' E - 4,039'

S 57°39' E - 5,010'

CA 82681
P- 02378

CA 821697
P- 02741

CA 808332
P- 1238

NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

WELL SITE
STATE PLANE WV SOUTH ZONE NAD 1927 N - 362,556.064 : E - 1,643,802.961
LATITUDE: (N) 37.9891682° LONGITUDE: (W) 82.2360015°
UTM NAD83 17 - 84W TO 78W, METERS N - 4,205,344.304 : E - 391,476.551

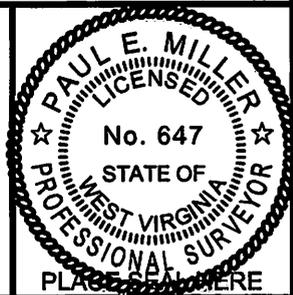
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO.	CA808331P&A.DGN
DRAWING NO.	CA 8331P&A.DGN
SCALE	1" = 1000'
MINIMUM DEGREE OF ACCURACY	1:200
PROVEN SOURCE OF ELEVATION	USGS BENCHMARK (815)

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 APRIL 11, 2013
OPERATOR'S WELL NO. 808331
API WELL NO.

STATE 47 COUNTY 043 PERMIT 01237 P

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

LOCATION: ELEVATION 955' WATER SHED COPLEYS TRACE BRANCH OF KIAH'S CREEK

DISTRICT HARTS CREEK COUNTY LINCOLN

QUADRANGLE TRACE, WV 7.5'

SURFACE OWNER ORA & RHONDA BROWNING ACREAGE 21

OIL & GAS ROYALTY OWNER CHESAPEAKE APPALACHIA, L.L.C. LEASE ACREAGE -

LEASE NO. _____ FEE LAND _____

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 ERIC B. GILLESPIE

ADDRESS P.O. BOX 18496, OKLAHOMA CITY, OK 73154-0496 ADDRESS CHESAPEAKE APPALACHIA, L.L.C. PO BOX 6070, CHARLESTON, WV 25362

FORM WW-6

COUNTY NAME

PERMIT

CHESAPEAKE APPALACHIA, L.L.C.

4301237A

Topographical Map of Access and

Well Location 808331

API 47-043-01237

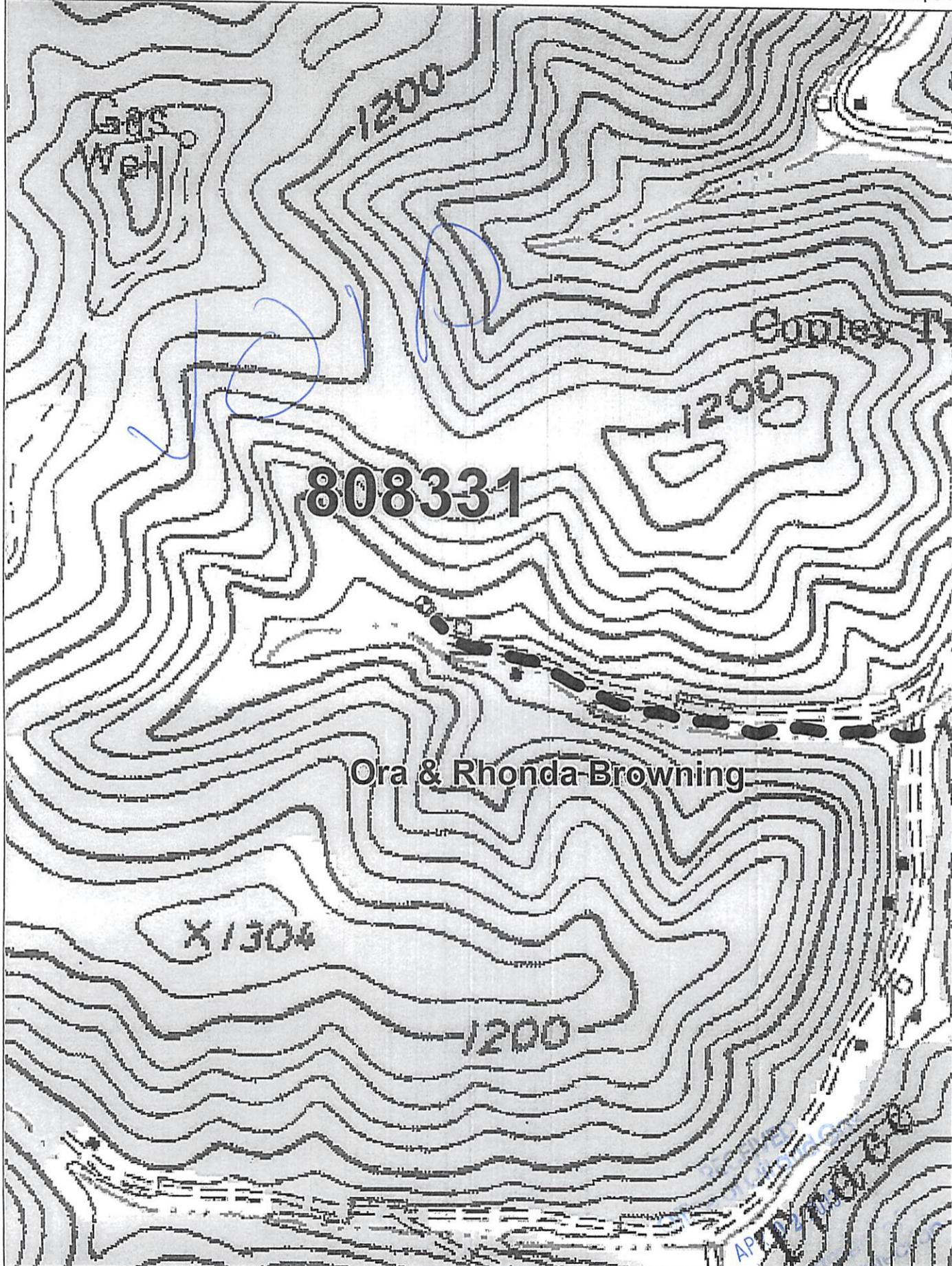
Field Office - Branchland

County - Lincoln

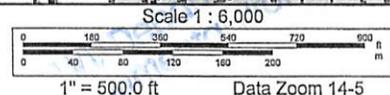
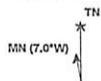
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B.S. 3-27-13

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'

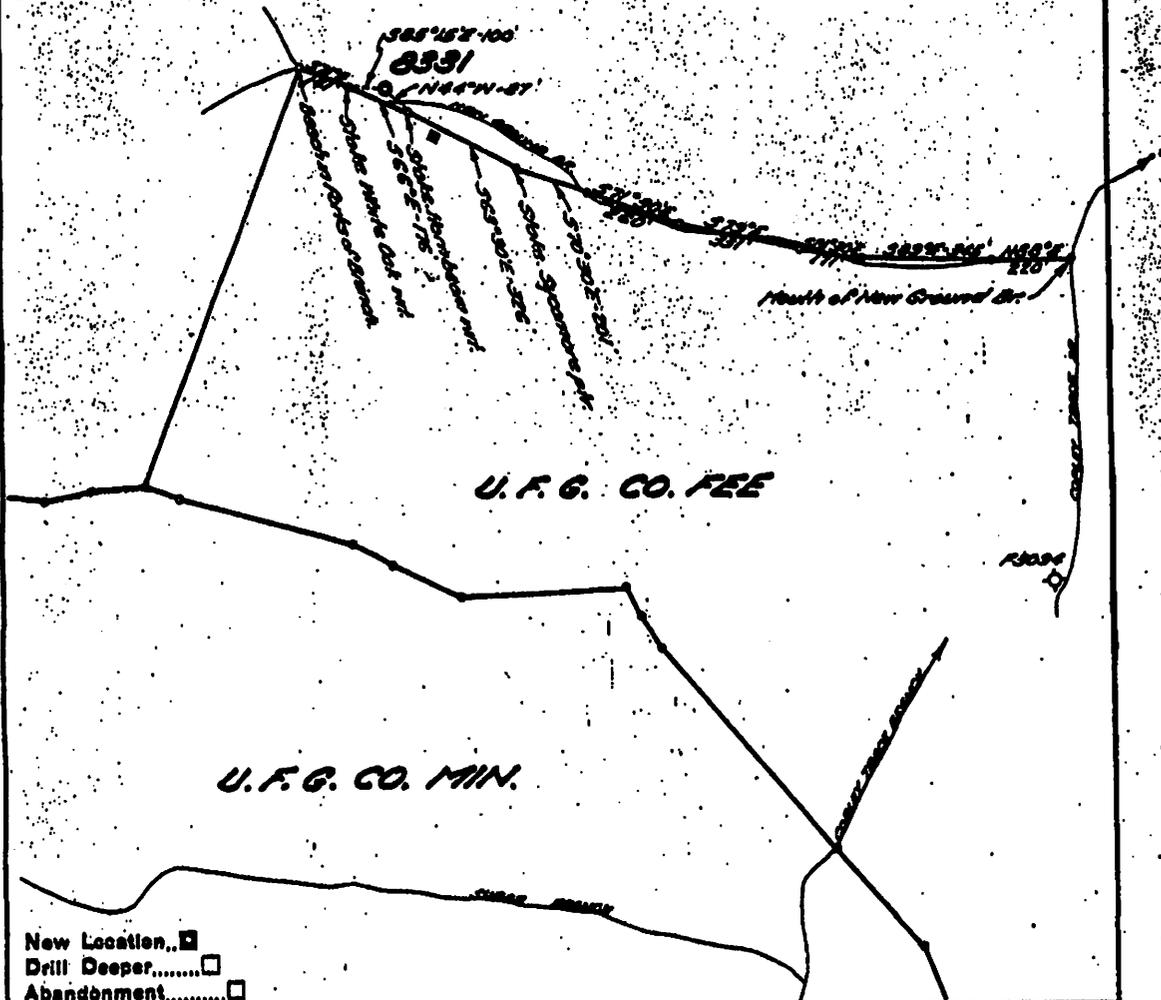
Latitude 38° 00' 00"

Jonie
3/10/94

7 1/2'
TOPO
LO

U.F.G. CO. MIN.

82° 12' 30"
Longitude (82° 12')



- New Location...
- Drill Deeper.....
- Abandonment.....

Company *Louisiana Natural Resources*
 Address *Box 6070, Charlotte, NC 28220-0070*
 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 *Sybert 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.

4301237P

10-91

RECEIVED
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.

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: _____

4301237A

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

RECEIVED
WV Division
Environmental
MAY 6 1956

UNITED FUEL GAS COMPANY
COMPANY

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	SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	
in <u>Harts Creek</u> District	<u>13-3/8"</u>	<u>48#</u>	<u>20'</u>	<u>20'</u>	<u>6</u> /10 of Water in <u>1"</u>
<u>Lincoln</u> County	<u>10-3/4"</u>	<u>40#</u>	<u>245'</u>	<u>245'</u>	/10 of Merc. in _____ Volume <u>26 MCF</u> Cu.
State of: <u>West Virginia</u>	<u>7"</u>	<u>20#</u>	<u>1562'</u>	<u>1562'</u>	TEST AFTER SHOT
Field: <u>Central Division</u>					<u>7</u> /10 of Water in <u>2"</u>
Rig Commenced <u>July 23,</u> 19 <u>56</u>					/10 of Merc. in _____
Rig Completed <u>August 9,</u> 19 <u>56</u>					Volume <u>112 MCF</u> Cu.
Drilling Commenced <u>August 15,</u> 19 <u>56</u>					<u>18</u> Hours After Shot
Drilling Completed <u>October 24,</u> 19 <u>56</u>					Rock Pressure <u>48 H R.</u> <u>415</u>
Drilling to cost _____ per foot					Date Shot <u>10-26-56</u>
Contractor is: <u>Clarence McIntyre Jr.</u>					Size of Torpedo <u>7600# Gelati</u>
Address: <u>Frame, W. Va.</u>	SHUT IN				Oil Flowed _____ bbls. 1st 24 h
	Date <u>10-27-56</u>				Oil Pumped _____ bbls. 1st 24 h
Driller's Name <u>D. C. McIntyre</u>	<u>7"</u> in. Casing Tubing or Casing Size of Packer <u>7" X 8-5/8"</u> Kind of Packer <u>Bottom Hole</u> 1st. Perf. Set _____ from _____ 2nd Perf. Set _____ from _____				Well abandoned and Plugged _____ 19 _____
Elevation: <u>899.60'</u>					

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

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. Addressee's Address

2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Well 8331
Willie Browning
Box 146
Derdunville, WV 25649

4a. Article Number
P3549738107

4b. Service Type

Registered Insured

Certified COD

Express Mail Return Receipt for Merchandise

7. Date of Delivery
3-22-94

5. Signature (Addressee)

6. Signature (Agent)
Willie Browning

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**

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. Addressee's Address

2. 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

4b. Service Type

Registered Insured

Certified COD

Express Mail Return Receipt for Merchandise

7. Date of Delivery
3-8-94

5. Signature (Addressee)

6. Signature (Agent)
D. Blagg

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**

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

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 2nd day of March the year of 2013

Phyllis A. Copley Notary Public
My Commission Expires September 16, 2018

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Office of Oil and Gas

MAR 28 2013

WV Department of
Environmental Protection



4301237P

7012 1640 0000 0167 9390

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VERDUNVILLE, WV 25649

Postage	\$ 1.32	0523	Postmark Here
Certified Fee	\$3.10	05	
Return Receipt Fee (Endorsement Required)	\$2.55		
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

PS Form 3800, June 2009

#1971669
\$100.09

7012 1640 0000 0167 9383

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com
DUNLOW, WV 25511

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

Sent To **808331 P&A**
 Street, Apt. Argus Energy WV, LLC
 or PO Box 9104 Twelvepole Creek Road
 City, State, Dunlow, WV 25511

PS Form 3800, June 2009

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

7012 1640 0000 0167 9376

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com
BLUEFIELD, WV 24701

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

Sent To **808331 P&A**
 Street, Apt. Southern Region Industrial Realty, Inc.
 or PO Box 800 Princeton Avenue
 City, State, Bluefield, WV 24701

PS Form 3800, June 2009