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

October 31, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-10301822, issued to CNX GAS COMPANY LLC , 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 penalities 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: W-2
Farm Name: KOONTZ, RUTH L.
API Well Number: 47-10301822
Permit Type: Plugging
Date Issued: 10/31/2014

Promoting a healthy environment.

1030162ZP

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

10301822P

WW-4B
(Rev. 6-07)

1) Date: August 21, 2014
2) Operator's Well Number
Koontz, Ruth L. #W-2
3) API Well No.: 47 - 103 - 01822
State County Permit

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

FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ____ / Gas X / Liquid injection ____ / Waste disposal ____
(If "Gas", Production X or Underground storage ____) Deep ____ / Shallow X

5) Location: Elevation 1342.67' Watershed West Virginia Fork Fish Creek
District Clay County Wetzel Quadrangle Littleton

6) Well Operator CNX Gas Company, LLC
Address 200 Evergreene Drive
Waynesburg, PA 15370

7) Designated Agent Matthew Imrich
Address One Dominion Drive
Jane Lew, WV 26378

8) Oil and Gas Inspector to be notified
Name Derek Haught
Address P.O. Box 85
Smithville, WV 26178

9) Plugging Contractor
Name Skyline Contracting
Address P.O. Box 663
Oakwood, VA 24631

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

Please see attached pages.

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

Work order approved by inspector _____ Date 9-3-14

1030182LP

Ruth L. Koontz CBM W-2 P.N.: 47-103-01822

Clay District Wetzel County

Location: Littleton Quad Lat: 5050'S of 39 degrees 42 min 30 sec

Long: 11,736' W of 80 degrees 30 min 00 sec

Elevation: 1342' GLM TD ≈ 2095'

PROPOSED PLUG & ABANDONMENT PROCEDURES

1. Blow the well down. Pump 50 bbl of water into the well to kill the well.
2. Allow the well to sit for 12-18 hours to allow bubbles to dissipate in water.
3. Rig up Wireline Company and run a Gamma Ray, Cement Bond, CCL log.
4. Perforate any areas where cement bond is not indicated.

Note: An attempt can be made to cut and pull casing but it appears both casing strings were cemented back to surface, and the casing cannot be removed.

5. Rig up a service rig over the well. Install a 5 ½" JU well control head onto the 5 ½" casing collar at surface. Connect the JU Head to a flowline directed to a portable steel pit to catch any fluids circulated from the well.
6. Run 2,050' of 2 3/8" 8rd EUE tubing in the well with the tubing equipped with a plain collar on bottom.
7. Rig up Cementing Company. Break circulation through tubing w/t fresh water. Mix and pump 136 sx (161cubic ft) of regular Class A Portland Cement ~~containing 2% gel~~ and 2% CaCl2.
8. Displace the cement to 800' w/t fresh water.
9. Pull the tubing to 800'. Mix and pump 15 bbl of gel.
10. Pull the tubing to 500'. Mix and pump 35 sx (41 cubic feet) of Regular Class A Portland Cement ~~containing 2% gel~~ and 2% CaCl2. Pump cement till cement returns to surface.
11. Pull the remaining tubing from the well. Top off the hole with more cement due to tubing displacement.
12. Remove the casing head and JU head from the 5 ½" casing.
13. Install a pipe monument with the API number welded on the side of the monument.

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14. Rig down the service rig, empty and dispose of fluids captured in the portable steel pits. Remove from site.

15. Grade, seed and mulch the location as required.

CEMENT PLUG 1. SET CLASS A CEMENT PLUG WITH NO MORE THAN 3% $CaCl_2$ AND NO OTHER ADDITIVES FROM 2000' – 800'

GEL SPACER. FRESH WATER WITH AT LEAST 6% BENTONITE AND NO OTHER ADDITIVES FROM 800' – 500'.

CEMENT PLUG 2. SET CLASS A CEMENT PLUG WITH NO MORE THAN 3% $CaCl_2$ AND NO OTHER ADDITIVES FROM 500' – SURFACE.

JW M 10/30/2014

ENTIRE WELL BORE MUST BE FILLED WITH EITHER 6% GEL OR CLASS A CEMENT.

10301822P

ATTACHMENT B

Wetzel County CBM Well No. W-2 Completion

Permittee:	Consol Energy, Inc. (North)
API Permit No.:	47-103-01822
Company Well No.:	CBM Well No. W-2
Completion Date:	06/22/2001
Total Depth:	2095'

Coals	Zone 1 Clarion and Kittanning Coals	Zone 2 Middle Freeport, Mahoning and Bakerstown	Zone 3 Pittsburgh	Zone 4 Sewickley
Treatment				
Nitrogen (MSCF)	308	440	500	258
Water (BBLS)	163	165	247	145
Sand (SXS 16/30)	48	250	600	204
Top Perf	1872	1521	1161	1056
Bottom Perf.	1986	1792	1166	1059
# Perfs	28	20	20	12
Perf Size	0.45	0.45	0.45	0.45
Break. Press.	3743	3096	1600	2093
Avg. Rate	22.5	23.7	24.8	18.9
ISIP	Sanded Out	2205	2432	2971
Min	5	5	5	5
Min Press.	N/A	1756	2069	2175
Avg. Press.	3566	2951	2448	3100
Stimulated	Y	Y	Y	Y
Stim. Date	06/22/2001	06/22/2001	06/22/2001	06/22/2001

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ATTACHMENT C

Wetzel County CBM Well No. W-2 Perforations

Permittee:	Consol Energy, Inc. (North)
API Permit No.:	47-103-01822
Company Well No.:	Wetzel County CBM Well No. W-2
Total Coal Thickness:	23.3 ft.

	Formation	Top of Coal	Bottom of Coal	Coal Thickness	Actual Perfs
STAGE 1	Clarion	1983.8	1986.0	2.2	1984-1986
	Middle Kittanning	1924.2	1927.0	2.8	1924-1927
	Upper Kittanning	1871.6	1873.6	2.0	1871.5-1873.5
			Total Coal	7.0	
STAGE 2	Lower Freeport	1788.5	1791.5	3.3	1788.5-1791.5
	Mahoning	1715	1715.8	0.8	1715-1716
	Bakerstown	1520.8	1521.9	1.1	1521-1522
			Total Coal	5.2	
STAGE 3	Pittsburgh	1160.3	1166.5	6.2	1161-1166
	Pittsburgh Rider	1158.2	1159.7	1.5	
			Total Coal	7.7	
STAGE 4	Sewickley	1055.6	1059.0	3.4	1055.5-1058.5
			Total Coal	3.4	

** Perf with 4" guns, 4 Jet Shots per Foot, 120 degree Phasing

** Isolate stages with FasDrill Frac Plugs

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ATTACHMENT A

Wetzel County CBM Well No. W-2 Drill Log

Depth	Description
0-30	Top
30-832	Sand/Shale
832-834	Coal (Waynesburg)
834-1045	Shale
1045-1080	Sand/Shale
1080-1083	Coal (Sewickely)
1083-1186	Shale
1186-1192	Coal (Pittsburgh)
1192-1225	Gray Sand
1258-1290	Red Rock
1290-1455	Sand/Shale
1455-1475	Red Rock
1570-1585	Red Rock
1585-1615	Shale
1615-1651	Sand/Shale
1651-1653	Coal (Mahoning)
1653-1812	Sand/Shale
1812-1815	Coal (Upper Kittanning)
1815-1890	Sand/Shale
1896-1900	Coal (Middle Kittanning)
1900-2095 (TD)	Sand/Shale

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WW-4A
(Rev. 6-07)

1) Date: August 22, 2014
2) Operator's Well Number
Koontz, Ruth L. #W-2
3) API Well No.: 47 - 103 - 01822
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name: Michael L. Koontz &Ruth L. Koontz
Address: P.O. Box 199 ✓
Littleton, WV 26581
(b) Name:
Address:
(c) Name:
Address:

5) (a) Coal Operator
Name:
Address:
(b) Coal Owner(s) with Declaration
Name: CNX RCPC LLC W
Address: 1000 Consol Energy Drive
Canonsburg, PA 15317
Name:
Address:
(c) Coal Lessee with Declaration
Name:
Address:

6) Inspector: Derek Haught
Address: P.O. Box 85
Smithville, WV 26178
Telephone: 304-206-7613

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT: 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 play (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. 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 this notice, the Application, and the plat have been mailed by register 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.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Lori L. Walker, Notary Public
Richhill Twp., Greene County
My Commission Expires Feb. 23, 2015
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Well Operator: **CNX Gas Company LLC**
By: **Erika Whetstone** Erika F Whetstone
Its: **Permitting Supervisor**
Address: **200 Evergreene Drive**
Waynesburg, PA 15370
Telephone: **724-6271492**

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Office of Oil & Gas
SEP 5
WV Dept. of Environmental Protection

Subscribed and sworn before me this 22nd day of August, 2014
Lori L Walker Notary Public
My Commission Expires February 23, 2015

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Officer at depprivacyofficer@wv.gov .

1030182 2P

WW-4B

API No.	47-103-01822
Farm Name	Koontz, Ruth L.
Well No.	#W-2

INSTRUCTIONS TO COAL OPERATORS

OWNERS AND LESSEE

The well operator names on the obverse side of the 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 and Gas.

This notice and application is given to you in order that your respective representative 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 t the issuance of this plugging permit.

WAIVER

The undersigned coal operator_____ / owner___X___ / 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.

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Signature _____ Date 9/4/14

CNX RCPC LLC
By Anthony M. Dreczenski
Its District Land Manager

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Office of Oil and Gas
SEP 0 2 2014
WV Department of
Environmental Protection

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Michael L. & Ruth L. Koontz
P.O. Box 26581
Littleton, WV 26581

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Ruth Koontz ☐ Agent ☑ Address

B. Received by (Printed Name) C. Date of Deliv 9-2-14

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☑ Certified Mail® ☐ Priority Mail Express™
☐ Registered ☐ Return Receipt for Merchandi
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from se) 91 7199 9991 7033 5996 0888

PS Form 3811, July 2013 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Derek Haught
P.O. Box 85
Smithville, WV 26178

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☑ Address

B. Received by (Printed Name) Derek M. Haught C. Date of Delive 8-28-14

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☑ Certified Mail® ☐ Priority Mail Express™
☐ Registered ☐ Return Receipt for Merchandis
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from s) 91 7199 9991 7033 6026 7280

PS Form 3811, July 2013 Domestic Return Receipt

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WW-9
Rev. 5/08

Page _____ of _____
API Number 47 - 103 - 01822
Operator's Well No. W-2

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 CNX Gas Company, LLC OP Code 494458046

Watershed WV Fork Fish Creek of Fish Creek Quadrangle Littleton

Elevation 1342.27 County Wetzel District Clay

Description of anticipated Pit Waste: N/A - will use mud trucks to contain all drilling muds

Will a synthetic liner be used in the pit? N/A.

Proposed Disposal Method For Treated Pit Wastes:

_____ Land Application
_____ Underground Injection (UIC Permit Number _____)
_____ Reuse (at API Number _____)
_____ Off Site Dispposal (Supply form WW-9 for disposal location)
X Other (Explain No pits)

Proposed Work For Which Pit Will Be Used:

_____ Drilling _____ Swabbing
_____ Workover _____ Plugging
X Other (Explain No pits)

DmH
9-3-14

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, 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 Erika L Whetstone

Company Official (Typed Name) Erika L Whetstone

Company Official Title Supervisor - Permitting

Subscribed and sworn before me this 3rd day of September, 2014

Commonwealth of Pennsylvania County of Greene

Lori L Walker Notory Public

My commission expires February 23, 2015

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SEP 5 2014
WV Department of Environmental Protection

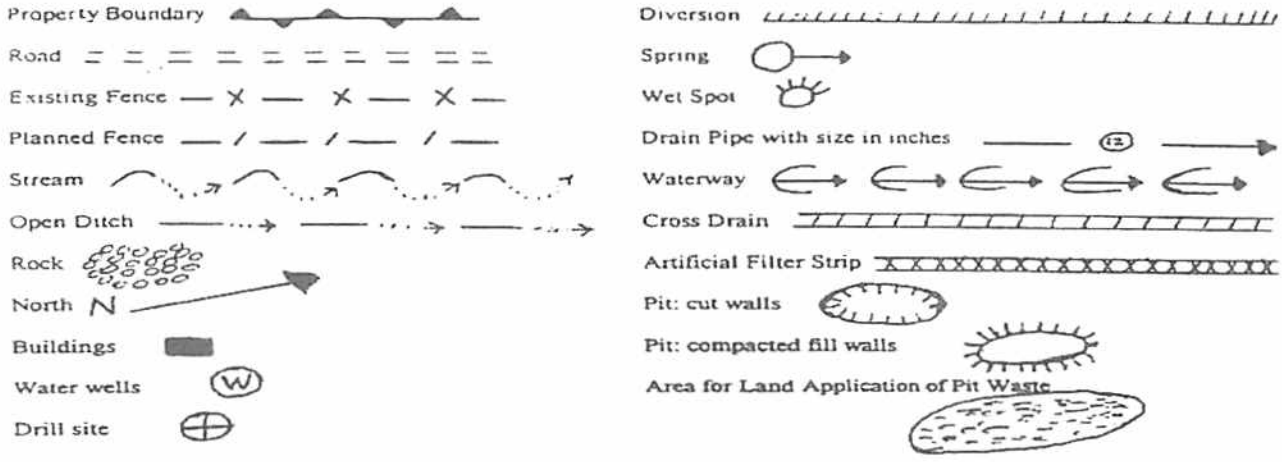
COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Lori L. Walker, Notary Public
Richhill Twp., Greene County
My Commission Expires Feb. 23, 2015
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

10301822P

Form WW-9

Operator's Well No. W-2

LEGEND



Proposed Revegetation Treatment: Acres Disturbed Less than 1 acre Prevegetation pH _____

Lime 2-3 Tons/acre or to correct to pH _____

Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)

Mulch hay or straw 2 Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Tall Fescue	40	Tall Fescue	40
Landino Clover	5	Landino Clover	5

Attach:
Drawing(s) of road, location,pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

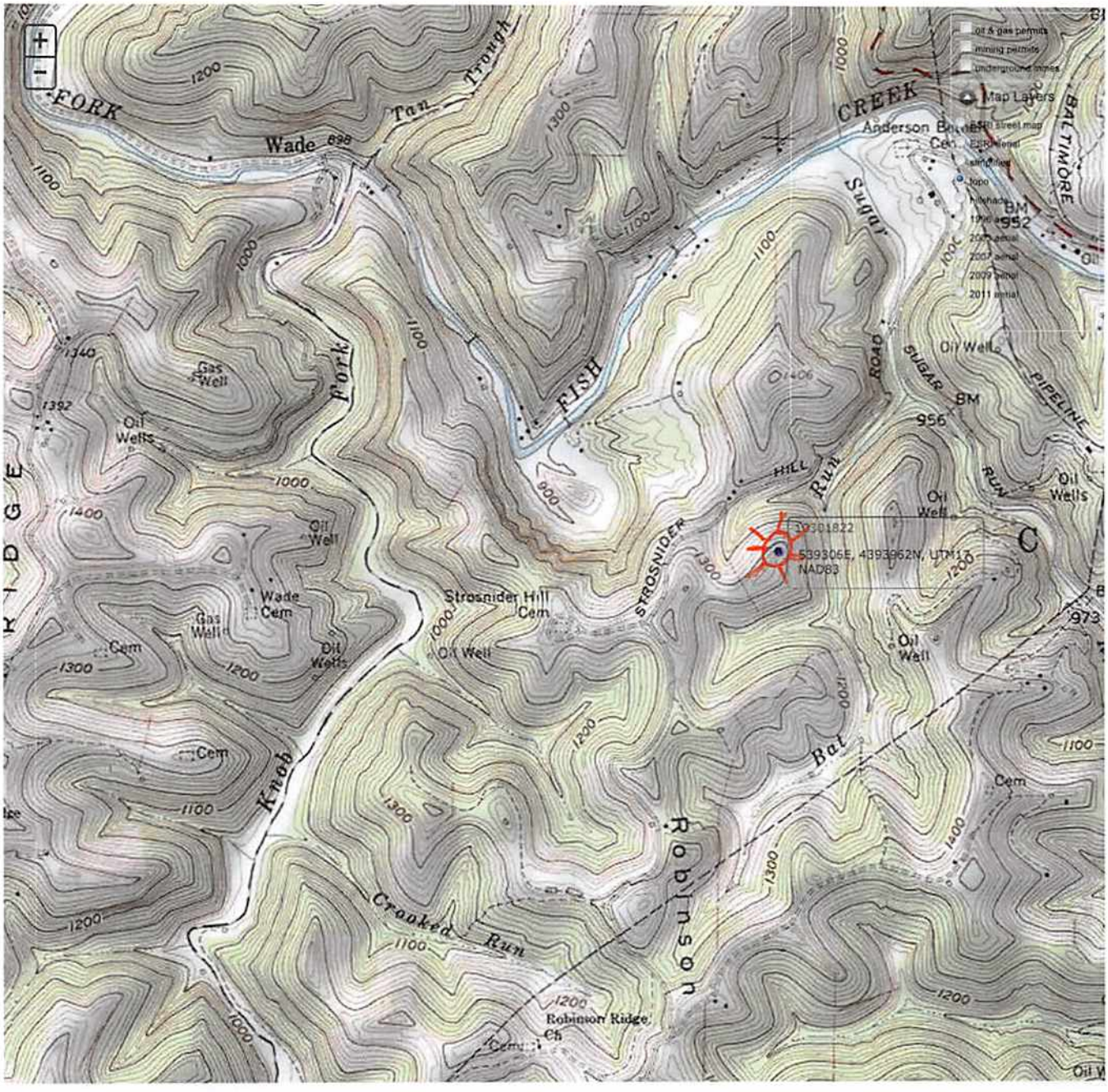
Plan Approved by: [signature]

Comments: _____

Title: Oil & Gas Inspector Date: 9-3-14

Field Reviewed? (✓) Yes ( ) No

10301822 P



☼ - Koontz W-2

539306 E

4393962 N

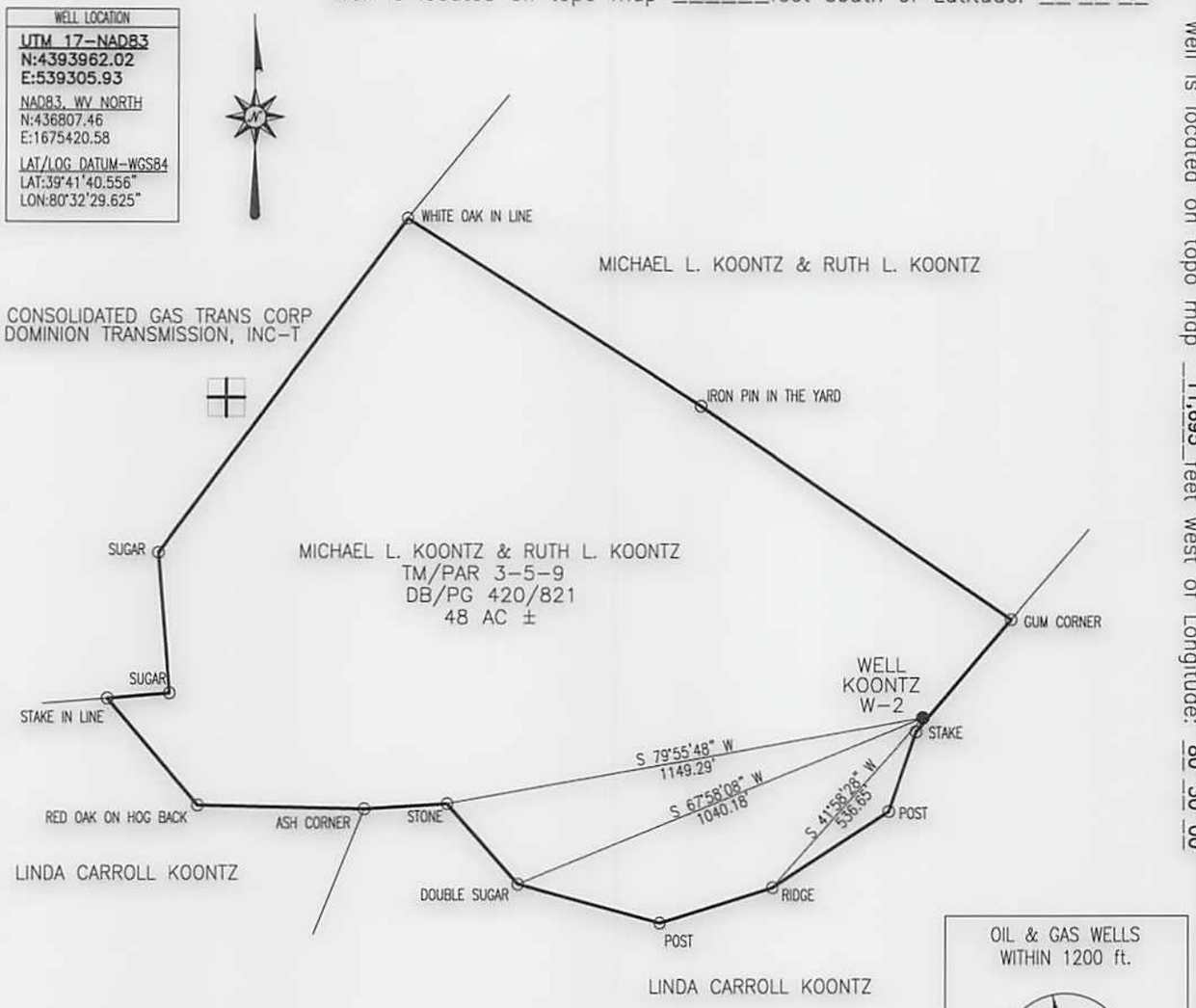
Measurement
Measurement Result

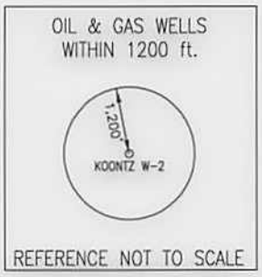
0.4km
0.2mi

Well is located on topo map 5,003 feet south of Latitude: 39 ° 42 ' 30 "

Well is located on topo map 11,695 feet west of Longitude: 80 ° 30 ' 00 "

WELL LOCATION
UTM 17-NAD83
N:4393962.02
E:539305.93
NAD83, WV NORTH
N:436807.46
E:1675420.58
LAT/LOG DATUM-WGS84
LAT:39°41'40.556"
LON:80°32'29.625"





Blue Mountain Inc.
11023 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662-6486

NOTE:
It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

FILE #: KOONTZ W-2
DRAWING #: KOONTZ W-2
SCALE: 1" = 400'
MINIMUM DEGREE OF ACCURACY: 1/2500
PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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.L.S.: P.S. No. 2000

GEORGE D. SIX LICENSED No. 2000 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304

DATE: AUGUST 25, 2014
OPERATOR'S WELL #: KOONTZ W-2
API WELL #: 47 (STATE) 103 (COUNTY) 01822 P (PERMIT)

Well Type: ☐ Oil ☐ Waste Disposal ☐ Production ☐ Deep
☒ Gas ☐ Liquid Injection ☐ Storage ☒ Shallow

WATERSHED: WEST VIRGINIA FORK FISH CREEK ELEVATION: 1342.67'
COUNTY/DISTRICT: WETZEL / CLAY QUADRANGLE: LITTLETON, WV 7.5'
SURFACE OWNER: MICHAEL L. KOONTZ & RUTH L. KOONTZ ACREAGE: 48±
OIL & GAS ROYALTY OWNER: CONSOLIDATION COAL COMPANY ACREAGE: _____

DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☐
PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☐ PLUG & ABANDON ☒
CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐ (SPECIFY): _____

TARGET FORMATION: MONONGAHELA, CONEMAUGH, & ALLEGHENY ESTIMATED DEPTH: 2022'±

WELL OPERATOR CNX GAS COMPANY, LLC
Address 200 EVERGREENE Dr.
City WAYNESBURG State PA Zip Code 15370

DESIGNATED AGENT MATTHEW IMRICH
Address 1 DOMINION DRIVE
City JANE LEW State WV Zip Code 26378

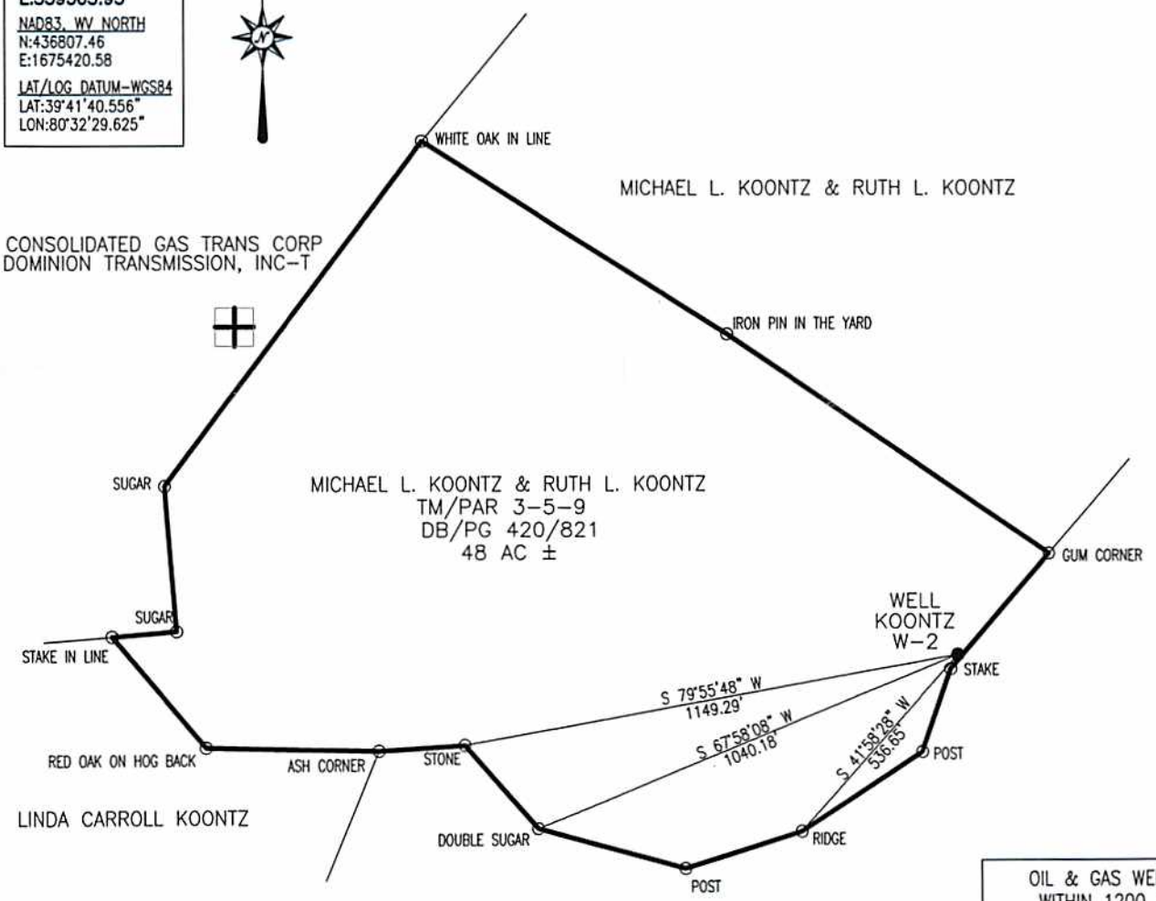
RECEIVED Office of Oil and Gas WV Department of Environmental Protection

103-01822P

Well is located on topo map 5,003 feet south of Latitude: 39° 42' 30"

Well is located on topo map 11,695 feet west of Longitude: 80° 30' 00"

WELL LOCATION
UTM 17-NAD83
N:4393962.02
E:539305.93
NAD83, WV NORTH
N:436807.46
E:1675420.58
LAT/LOG DATUM-WGS84
LAT:39°41'40.556"
LON:80°32'29.625"



OIL & GAS WELLS WITHIN 1200 ft.

REFERENCE NOT TO SCALE

Blue Mountain Inc.
11023 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662-6486

NOTE:
It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

FILE #: KOONTZ W-2
DRAWING #: KOONTZ W-2
SCALE: 1" = 400'
MINIMUM DEGREE OF ACCURACY: 1/2500
PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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: George D. Six
R.P.E.: _____ L.L.S.: P.S. No. 2000

GEORGE D. SIX LICENSED No. 2000 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304

DMH 9-3-14

DATE: AUGUST 25, 2014
OPERATOR'S WELL #: KOONTZ W-2
API WELL #: 47 (STATE) 103 (COUNTY) 01822 P (PERMIT)

Well Type: ☐ Oil ☐ Waste Disposal ☐ Production ☐ Deep
☒ Gas ☐ Liquid Injection ☐ Storage ☒ Shallow

WATERSHED: WEST VIRGINIA FORK FISH CREEK ELEVATION: 1342.67'
COUNTY/DISTRICT: WETZEL / CLAY QUADRANGLE: LITTLETON, WV 7.5'
SURFACE OWNER: MICHAEL L. KOONTZ & RUTH L. KOONTZ ACREAGE: 48±
OIL & GAS ROYALTY OWNER: CONSOLIDATION COAL COMPANY ACREAGE: _____

DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☐
PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☐ PLUG & ABANDON ☒
CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐ (SPECIFY): _____

TARGET FORMATION: MONONGAHELA, CONEMAUGH, & ALLEGHENY ESTIMATED DEPTH: 2022'±

WELL OPERATOR CNX GAS COMPANY, LLC
Address 200 EVERGREENE Dr.
City WAYNESBURG State PA Zip Code 15370

DESIGNATED AGENT MATTHEW IMRICH
Address 1 DOMINION DRIVE
City JANE LEW State WV Zip Code 26378

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WV Department of Environmental Protection

10301822P

WR-35

Date: October 24, 2001
API#: 47-103-01822

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm Name: Ruth L. Koontz Operator Well No.: Wetzel County CBM Well No. W-2

Location: Elevation: 1342.27' ± Quadrangle: Littleton

District: Clay County: Wetzel

Latitude: 5050.0' Feet South of 39 Deg. 42 Min. 30 Sec.

Longitude: 11,736' Feet West of 80 Deg. 30 Min. 00 Sec.

Company: Consol Energy, Inc. (North)

	Casing & Tubing	Used In Drilling	Left In Well	Cement Fill Up Cu. Ft.
Address: 1800 Washington Road	11 3/4"	30'	30'	GRTD
Pittsburgh, PA 15241	8 5/8"	858.50'	858.50'	212
Agent: Edwin L. Merrifield	5 1/2"	2035.30'	2035.30'	431
Inspector: Randal Mick				
Date Permit Issued: 5/11/01				
Date Well Work Commenced: 5/21/01				
Date Well Work Completed: 7/3/01				
Verbal Plugging: N/A				
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet): 2095'				
Fresh Water Depth (ft.): N/A				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 832, 1080, 1186, 1651, 1812 and 1896				

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Environmental Protection

OPEN FLOW DATA REFER TO ATTACHMENTS B & C

Producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.; 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE. REFER TO ATTACHMENTS A, B & C

Signed: Scott Fanning
By: Dill Foreman
Date: 10/25/01

WET 1802

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SEP 05 2014
WV Department of
Environmental Protection

1030182 2P

CONSOL ENERGY

Erika Whetstone
Supervisor-Permitting
Waynesburg, PA 15370
(724) 627-1492
CNX GAS

August 14, 2014

West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304

Plugging Permit Application – **Well "Koontz, Ruth #W-2"**

Dear Sir or Madam,

Enclosed is the plugging permit application for the above referenced well. This well is one of many to be plugged this year to comply with CNX Gas Company's consent order.

If any further information or correspondence is required, please contact me at (724)627-1492 or ErikaWhetstone@consolenergy.com.

Sincerely,

Erika Whetstone

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SEP 09 2014
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