west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Earl Ray Tomblin , Governor
Randy C. Huffman , Cabinet Secretary
www.dep.wv.gov

Tuesday, August 09, 2016
WELL WORK PERMIT
Vertical / Vertical Well - 3

CNX GAS COMPANY LLC
POST OFFICE BOX 1248

JANE LEW, WV 263786506

Re: Permit approval for 11968
47-097-01613-00-00

This well work permit 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 any additional specific 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: 11968
Farm Name: O'DELL, WESLEY H.
U.S. WELL NUMBER: 47-097-01613-00-00
Vertical / Vertical Well - 3
Date Issued: 8/9/2016

CONSOL ENERGY

CK 27200076303 $550.00

Matthew Hanley
Permitting Manager
1000 Consol Energy Dr
Canonsburg, PA 15317
(724) 485-3011

July 18, 2016

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

RE: Administrative Change; Convert Back to Production Well Status for, Well 11809 (API# 47-9701574) and Well 11968 (API# 47-9701613)

Dear Sir or Madam,

CNX Gas Company, LLC (CNX) is submitting the enclosed permit application as instructed by Laura Adkins of WVDEP in order to process the administrative change that would allow for the two above mentioned wells to be placed back into production well status.

Initially both wells were shallow production wells. Then, both wells were permitted to be converted to UIC wells. However, no physical changes were ever made to the wells in order to convert them to UIC wells. The wells both continued to produce gas as normal and CNX has been reporting the production volumes up to the current time. CNX wishes to change the classification of these wells with WVDEP from UIC back to production wells. As mentioned, it is the understanding of CNX that in order to do this, a new permit application must be submitted.

Please find enclosed the completed permit application, landowner notices and two (2) checks for five hundred fifty dollars ($550.00) each for the application and reclamation fees. If any further information or correspondence is required, please contact me at (724) 485-3011 or by email at matthanley@consolenergy.com.

Environmental Protection
WV Department of
JUL 21 2016
Office of Oil and Gas
RECEIVED

Sincerely,

Matthew Hanley

97-01613

WW - 2B
(Rev. 8/10)

CK 272000762
5500

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

1) Well Operator: CNX Gas Company, LLC

494495754	Upshur	Washington 6	~~Sago~~ Alton -206
Operator ID	County	District	Quadrangle

2) Operator's Well Number: 11968 (API# 47-9701613) 3) Elevation: 2328

4) Well Type: (a) Oil_____ or Gas X

(b) If Gas: Production X / Underground Storage _____

Deep_____ / Shallow X

5) Proposed Target Formation(s): BENSON Proposed Target Depth: 4375
6) Proposed Total Depth:_____Feet Formation at Proposed Total Depth: _____
7) Approximate fresh water strata depths: _____
8) Approximate salt water depths: _____

9) Approximate coal seam depths: _____

10) Approximate void depths,(coal, Karst, other): _____

11) Does land contain coal seams tributary to active mine? _____

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)
PLEASE SEE ATTACHED WELL RECORD FOR ITEMS 6 - 13

13) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE	INTERVALS	CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor						
Fresh Water						
Coal						
Intermediate						
Production						
Tubing						
Liners						

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JUL 21 2016
WV Department of
Environmental Protection

Packers: Kind: _____
Sizes: _____
Depths Set _____

OG-10
Rev. - 9-71

11968

EASTERN AREA REPORTS REQUIRED

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Rotary X Oil ____
Cable ____ Gas X
Recycling ____ Comb. ____
Water Flood ____ Storage ____
Disposal ____ ____ (Kind)

Quadrangle Sago

Permit No. Ups-1613

Company Consolidated Gas Supply Corp.
Address Clarksburg, WV
Farm Wesley O'Dell Acres 5000
Location (waters) Swamp Run
Well No. 11968 Elev. ____
District Washington County Upshur
The surface of tract is owned in fee by ____
____
Address ____
Mineral rights are owned by ____
____ Address ____
Drilling Commenced 9-03-75
Drilling Completed 9-12-75
Initial open flow 2M cu. ft. ____ bbls.
Final production 474M cu. ft. per day ____ bbls.
Well open 14 days hrs. before test 1355# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16 Cond.			
13~~10~~"	20'	20'	To Surface
9 5/8	849'	849'	To Surface
8 5/8			
7			
5 1/2			
4 1/2	4069'	4069'	235 bags
3			
2			
Liners Used			

Well treatment details:
Attach copy of cementing record.

Fractured Benson with 60,000# sand, 700 bbl. water and 500 gal. acid.
Perforations: 3923-3929 18 holes

Coal was encountered at 72 432 Feet 36 96 Inches
Fresh water 276 Feet ____ Salt Water 1025 Feet ____
Producing Sand Benson Depth 3923-3929

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay & Sand			0	72		
Coal			72	75		
Sand & Shale			75	432	Water 276'	Fresh
Coal			432	440		
Sand & Shale			440	~~1440~~ 1338	Water 1025'	Salt
Little Lime			~~1440~~ 1338	~~1450~~ 1418		
Big Lime			~~1450~~ 1454	~~1555~~ 1552		
Big Injun			~~1555~~ 1552	~~2300~~ 1692		
Bayard			~~2300~~ 2215	~~2315~~ 2246		
Sand & Shale			~~2315~~ 2246	~~3910~~ 3918	Gas 2159'	Show
Benson			~~3910~~ 3918	~~3921~~ 3934	Gas 3923-29	
Total Depth				4375'		

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Office of Oil and Gas
JUL 21 2016
WV Department of
Environmental Protection

Consolidated Gas Supply Corporation
445 West Main Street
Clarksburg, WV 26301

KB Measurement 11' above GL

(over)

* Indicates Electric Log tops in the remarks section.

JAN 29 1976

WW-2A
(Rev. 6-14)

1). Date: 05/26/2016

2.) Operator's Well Number 11968 (API# 47-970

3.) API Well No.: State 47- County 970 - Permit 1613

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 SEE ATTACHED SURFACE
Address AND COAL OWNERS

(b) Name
Address

(c) Name
Address

6) Inspector Bryan Harris
Address P.O Box 157
Volga, WV 26238
Telephone 304-533-6087

5) (a) Coal Operator
Name
Address

(b) Coal Owner(s) with Declaration
Name
Address

Name
Address

(c) Coal Lessee with Declaration
Name
Address

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

___ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

OR

X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties by:

_____ Personal Service (Affidavit attached)
__X__ Certified Mail (Postmarked postal receipt attached)
_____ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

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, 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 and imprisonment.

Well Operator CNX Gas Company, LLC
By: Matthew Hanley
Its: Permitting Manager
Address: 1000 Consol Energy Drive
Canonsburg, PA 15317
Telephone: 724-485-3011
Email: matthanley@consolenergy.com

RECEIVED
Office of Oil and Gas
JUL 21 2016
WV Department of Environmental Protection

Subscribed and sworn before me this 31st day of May, 2016

Sara M Micoli
Notary Public

My Commission Expires 03/11/2019

COMMONWEALTH OF PENNSYLVANIA
Notary Public SEAL
Sara M. Micoli, Notary Public
Cecil Twp., Washington County
My Commission Expires March 11, 2019
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

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 the 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 Privacy Officer at deprivacyofficer@wv.gov

SURFACE OWNERS:

Jeremy Zickefoose Et Al
840 Montana Road
Fairmont, WV 26554

COAL OWNERS:

Gary L. Odell
604 Hall St.
Charleston, WV 25302

Gail Odell McMillen
504 Kanawha Blvd W
Charleston, WV 25301

Dustin Brian Odell
329 Hawthorne Dr.
Charleston, WV 25302

Marvin W. Culpepper
616 Stonewall Dr.
Charleston, WV 25302

RECEIVED
Office of Oil and Gas
JUL 21 2016
WV Department of
Environmental Protection

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County UPSHUR
Operator _____ Operator's Well Number #119668; API 47-9701613

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by WV Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office. Mail objections to:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 extension 1654

WAIVER

The undersigned coal operator ____/ owner ✓/ lessee ____/ of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. 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.

FOR EXECUTION BY A NATURAL PERSON

Gary L. O'Dell
Signature

Date 7/5/16

FOR EXECUTION BY A CORPORATION, ETC.

Company Name _____
By _____
Its _____ Date

Signature Date

RECEIVED
Office of Oil and Gas
JUL 21 2016
WV Department of Environmental Protection

WW-2A Surface Waiver
(4/16)

SURFACE OWNER WAIVER

County UPSHUR Operator CNX Gas Company, LLC
Operator well number 494495754

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

1) The proposed well work will constitute a hazard to the safety of persons.
2) The soil erosion and sediment control plan is not adequate or effective;
3) Damage would occur to publicly owned lands or resources;
4) The proposed well work fails to protect fresh water sources or supplies;
5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through ___ including a work order on Form WW2-B, a survey plat, WW-9, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

RECEIVED
Office of Oil and Gas

FOR EXECUTION BY A NATURAL PERSON

Gail O'Dell McMillen Date 7-6-16
Signature

Gail O'Dell McMillen
Print Name

FOR EXECUTION BY A CORPORATION, ETC.

Company Name
By
Its

JUL 21 2016
WV Department of Environmental Protection
Date

Signature Date

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County UPSHUR
Operator CNX GAS COMPANY, LLC Operator's Well Number 494495754

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FOR EXECUTION BY A NATURAL PERSON

Gail O'Dell McMillen Date 7-6-16
Signature

FOR EXECUTION BY A CORPORATION, ETC.

Company Name ____
By ____
Its ____ Date

Signature Date

WW-2A Surface Waiver
(4/16)

SURFACE OWNER WAIVER

County UPSHUR

Operator CNX Gas Company, LLC
Operator well number 494495754

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FOR EXECUTION BY A NATURAL PERSON

Marvin W Culpepper
Signature

Date 7-2-16

MARVIN W. CULPEPPER
Print Name

FOR EXECUTION BY A CORPORATION, ETC.

Company Name
By
Its

RECEIVED
Office of Oil and Gas
JUL 21 2016
WV Department of Environmental Protection

Date

Signature

Date

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County_____
Operator _____ Operator's Well Number _____

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

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FOR EXECUTION BY A NATURAL PERSON

Marvin W Culpepper
Signature

Date 7-2-16

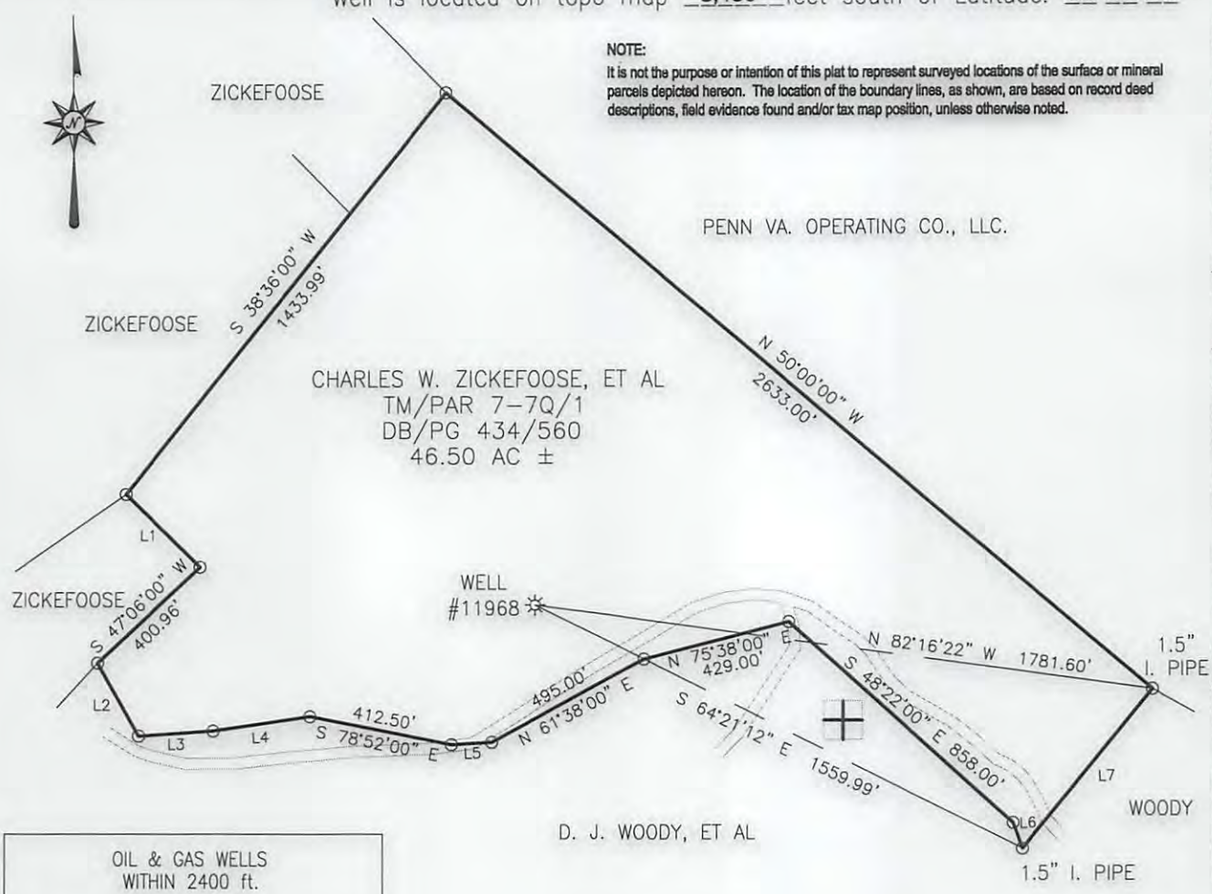
FOR EXECUTION BY A CORPORATION, ETC.

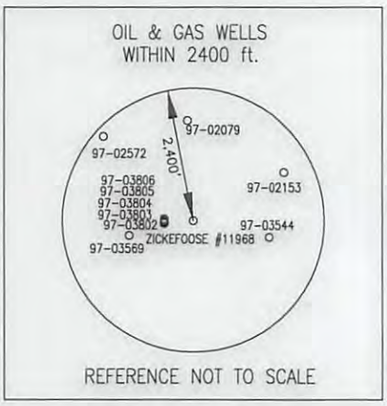
Company Name _____
By _____
Its _____ Date

Signature Date

Well is located on topo map 8,450 feet south of Latitude: 38° 50' 00"

Well is located on topo map 4,600 feet west of Longitude: 80° 10' 00"





WELL LOCATION
UTM 17-NAD83
N:4296048.25
E:570965.38
NAD27, WV SOUTH
N:660207.78
E:2232860.04
LAT/LOG DATUM-WGS84
LAT:38°48'37.25"
LON:80°10'57.52"

LINE	BEARING	DISTANCE
L1	S 45°24'00" E	297.00'
L2	S 29°22'00" E	237.28'
L3	N 86°08'00" E	214.50'
L4	N 81°38'00" E	280.50'
L5	N 86°38'00" E	115.50'
L6	S 19°57'00" E	77.60'
L7	N 39°30'00" E	584.59'

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

FILE #: 11968

DRAWING #: 11968

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: _____

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: JUNE 28, 2016

OPERATOR'S WELL #: 11968

API WELL #: 47 (STATE) 097 (COUNTY) 01613 B (PERMIT)

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

WATERSHED: BUCKHANNON RIVER ELEVATION: 2338.22

COUNTY/DISTRICT: UPSHUR/WASHINGTON QUADRANGLE: ALTON, WV 7.5

SURFACE OWNER: CHARLES W. ZICKEFOOSE, ET AL ACREAGE: 46.50± (7Q-01)

OIL & GAS ROYALTY OWNER: W. H. O'DELL ACREAGE: 5000.00

DRILL ☐ CONVERT ☒ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☐

PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☐ PLUG & ABANDON ☐

CLEAN OUT & REPLUG ☐ OTHER CHANGE ☒ (SPECIFY): ADMINISTRATIVE CONVERSION FROM INJECTION TO PRODUCTION

TARGET FORMATION: BENSON ESTIMATED DEPTH: 3934'±

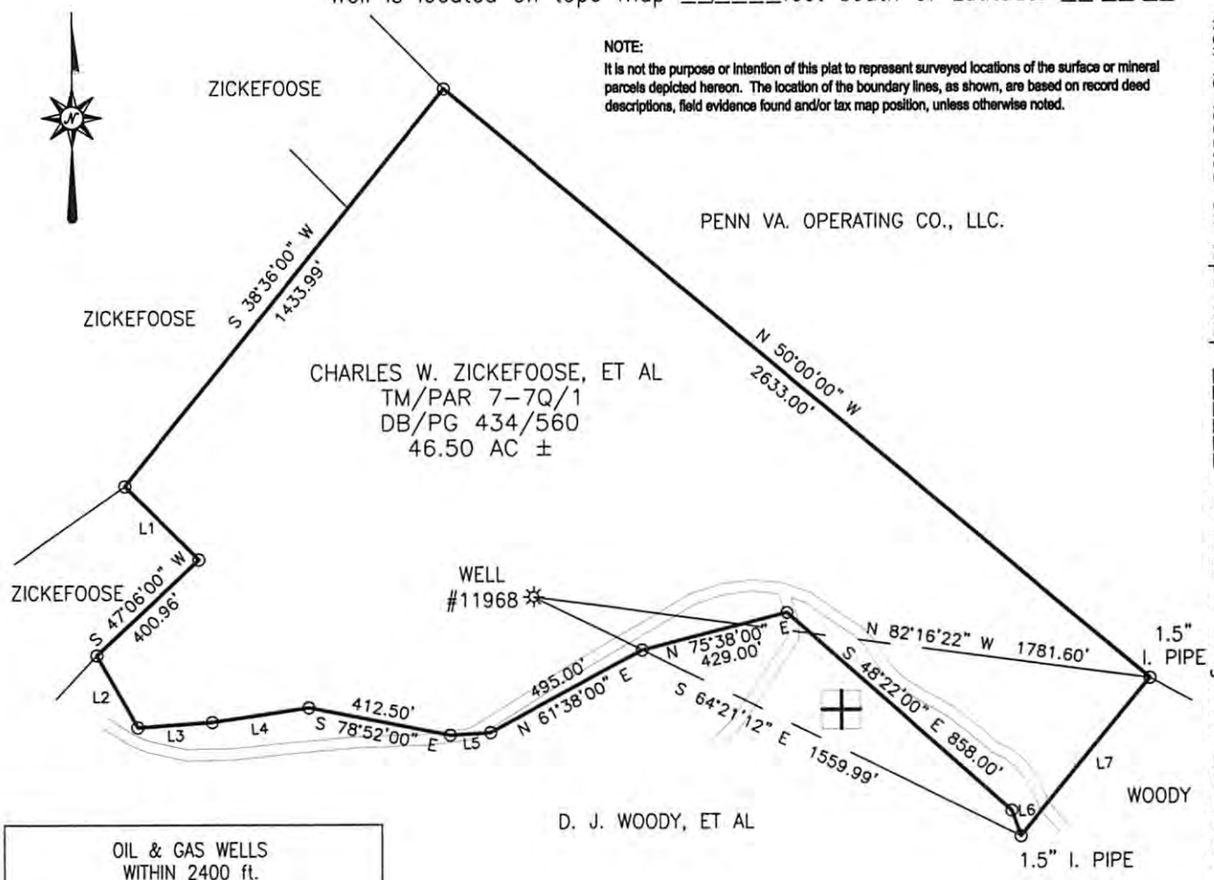
WELL OPERATOR CNX GAS COMPANY DESIGNATED AGENT ANTHONY KENDZIORA

Address 1000 CONSOL ENERGY DRIVE Address 1 DOMINION DRIVE

City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378

Well is located on topo map 8,450 feet south of Latitude: 38 ° 50 ' 00 "

Well is located on topo map 4,600 feet west of Longitude: 80 ° 10 ' 00 "



OIL & GAS WELLS WITHIN 2400 ft.

REFERENCE NOT TO SCALE

WELL LOCATION
UTM 17-NAD83
N:4296048.25
E:570965.38
NAD27, WV SOUTH
N:660207.78
E:2232860.04
LAT/LOG DATUM-WGS84
LAT:38°48'37.25"
LON:80°10'57.52"

LINE	BEARING	DISTANCE
L1	S 45°24'00" E	297.00'
L2	S 29°22'00" E	237.28'
L3	N 86°08'00" E	214.50'
L4	N 81°38'00" E	280.50'
L5	N 86°38'00" E	115.50'
L6	S 19°57'00" E	77.60'
L7	N 39°30'00" E	584.59'

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

FILE #: 11968

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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 A. Six

R.P.E.: _____ L.L.S.: P.S. No. 2000

GEORGE A. 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: JUNE 28, 2016

OPERATOR'S WELL #: 11968

API WELL #: 47 (STATE) 097 (COUNTY) 01613 B (PERMIT)

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

WATERSHED: BUCKHANNON RIVER ELEVATION: 2338.22

COUNTY/DISTRICT: UPSHUR/WASHINGTON QUADRANGLE: ALTON, WV 7.5

SURFACE OWNER: CHARLES W. ZICKEFOOSE, ET AL ACREAGE: 46.50± (7Q-01)

OIL & GAS ROYALTY OWNER: W. H. O'DELL ACREAGE: 5000.00

DRILL ☐ CONVERT ☒ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☐

PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☐ PLUG & ABANDON ☐

CLEAN OUT & REPLUG ☐ OTHER CHANGE ☒ (SPECIFY): ADMINISTRATIVE CONVERSION FROM INJECTION TO PRODUCTION

TARGET FORMATION: BENSON ESTIMATED DEPTH: 3934'±

WELL OPERATOR CNX GAS COMPANY DESIGNATED AGENT ANTHONY KENDZIORA

Address 1000 CONSOL ENERGY DRIVE Address 1 DOMINION DRIVE

City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378