



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

February 23, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-5100618, 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 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: 6
Farm Name: BOOHER & HICKS
API Well Number: 47-5100618
Permit Type: Plugging
Date Issued: 02/23/2015

Promoting a healthy environment.

02/27/2015

PERMIT CONDITIONS

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

CONDITIONS

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.

5100618P

WW-4B
(Rev. 6-07)

1) Date: November 7, 2014
2) Operator's Well Number Booher & Hicks #6
3) API Well No.: 47 - 051 - 00618
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 979.100' Watershed Fish Creek
District Meade County Marshall Quadrangle Glen Easton 370

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 James Nicholson
Address P.O. Box 44
Moundsville, WV 26041

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.

Received
Office of Oil & Gas
DEC 10 2014

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

Work order approved by inspector James Nicholson Date 12/8/14

02/27/2015

22 S. E. 2 W. 2 Location Made 5-7-'02 5-17-'02 Purchased From
 Civil District Meade Rig Completed May 24, 1902 Date Purchased
 County Marshall Dr'g Commenced May 28, 1902 Sold To
 State W. Va. Dr'g Completed July 22, 1902 Date Sold
 Rights Owned By Dr'g Contractor Altenberg & Nenno Date Abandoned

FORMATION				CASING RECORD					
Kind	Top	Bottom	Steel Line Measurement	Tests	Size	Bottom Casing (Steel Line)	Put In Well (Tally Meas.)	Pulled (Tally Meas.)	Cemented
Conductor		16			13"		130	130'	Date
Native coal	597'	603'			10"		1350	1350'	Size Csg.
Mapletown	810'	812'			8-1 1/4"		1811'		Top "
Pgh Coal	885'	892'			6-5/8"		2212' 7"		Bot. "
Salt Sand	1657'	1817'							
Big Lime	1957'	2002'							
Big Injun	2002'	2206'							
Stray Sand	none	none							
Gordon	2873'	2897'							
Total depth		2897'							

PACKERS AND SHOES			
Kind	Size	Depth Set	Date Set

TORPEDO RECORD					
Date	No. Qts.	Size Shell	Top Shot	Bottom	Result
9-9-'03	60	15	2875		
12-1-'04	60	15	2875		
1/5-1942	30	4 1/2" x 10"	2875	2885	
10-23-57	80	4 1/4" x 7"	2879	2886	

DRILLING DEEPER				
Commenced	Completed	Original Depth	Final Depth	Contract

ABANDONMENT RECORD					
Filled With	From	To	PLUG		
			Size	Kind	Dep

2-5-59 Meter test (1,250 cuft.)

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Initial Prod.	Sand	★ At Completion	★ 30 Days After	★
Oil	Gordon	67 bbls		
Gas				

APPROVED

02/27/2015 Su

REPAIRS TO WELL

Initiated	Completed	DRILLED DEEPER		Shot (No. Quarts)	TESTS BEFORE		TESTS AFTER		ROCK PRESSURE Before
		From	To		Oil	Gas	Oil	Gas	

VOLUME AND PRESSURE TESTS

Date	Reading	Liquid	Opening	Tubing or Casing	Line Pressure	MINUTES								Rock Pressure	Time (Hrs)
						1	2	3	4	5	10	30	60		
1930	32														
1931	47														
1932	103														
1933	15														
1934	112														
1935	123														
1936	192														
1937	406														
1938	394														
1939	431														

PRODUCTION

Year	Barrels	Year	Barrels
1940	439	1955	524
1941	381	1956	508
1942	953	1957	377
1943	769	1958	663
1944	617	1959	750
1945	623	1960	630
1946	610	1961	622
1947	622	1962	618
1948	630	1963	629
1949	617	1964	627
1950	625	1965	623
1951	615	1966	615
1952	608	1967	516
1953	593		
1954	521		

REMARKS

Received
Office of Oil & Gas
DEC 10 2014

51 00618P

WW-4A
(Rev. 6-07)

1) Date: October 13, 2014
2) Operator's Well Number Booher & Hicks #6
3) API Well No.: 47 - 051 - 00618
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:	5) (a) Coal Operator
(a) Name <u>Robert L. Hall</u>	Name _____
Address <u>RR 5 Box 59</u>	Address _____
<u>Moundsville, WV 26041</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>CCC Land Resources, LLC</u>
_____	Address <u>1000 Consol Energy Drive</u>
_____	<u>Canonsburg, PA 15317</u>
(c) Name _____	Name <u>Consolidation Coal Company</u>
Address _____	Address <u>1000 Consol Energy Drive</u>
_____	<u>Canonsburg, PA 15317</u>
6) Inspector <u>James Nicholson</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 44</u>	Name _____
<u>Moundsville, WV 26041</u>	Address _____
Telephone <u>304-552-3874</u>	_____

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.

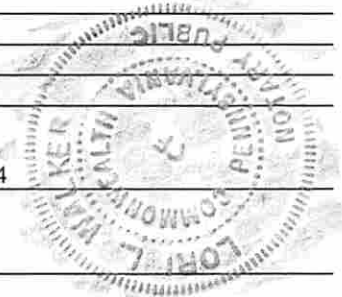
Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed the Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental 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.

Received
Office of Oil & Gas
DEC 10 2014

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

Commonwealth of Pennsylvania
Subscribed and sworn before me this 13th day of October, 2014

Lori L. Walker
Notary Public
My Commission Expires February 23, 2015



My Commission Expires _____
Oil and Gas Privacy Notice
Notary Seal
Lori L. Walker, Notary Public
Nichill Twp., Greene County
My Commission Expires Feb. 23, 2015

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.

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Sent To
 Consolidation Coal Company
 Street, Apt. No., or PO Box No. 1000 Consol Energy Drive
 City, State, ZIP+4
 Canonsburg, PA 15317

PS Form 3800, August 2006 See Reverse for Instructions

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 CCC Land Resources, LLC
 Street, Apt. No., or PO Box No. 1000 Consol Energy Drive
 City, State, ZIP+4
 Canonsburg, PA 15317

PS Form 3800, August 2006 See Reverse for Instructions

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 Robert L. Hanks
 Street, Apt. No., or PO Box No. R.R. 5 Box 59
 City, State, ZIP+4
 Moundsville, WV 26041

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Sent To
 James Nicholson
 Street, Apt. No., or PO Box No. P.O. Box 44
 City, State, ZIP+4
 Moundsville, WV 26041

PS Form 3800, August 2006 See Reverse for Instructions

Postmark Here
 NOV 13 2014
 WAKENESBURG PA

2583 9760 0000 2250 2102

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 Fish Creek Quadrangle Glen Easton, WV 7.5'

Elevation 979.100' County Marshall District Meade

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

*ANY WELL EFFLUENT
MUST BE CONTAINED
AND DISPOSED OF PROPERLY.*

Proposed Disposal Method For Treated Pit Wastes:

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

Proposed Work For Which Pit Will Be Used:

- Drilling
- Swabbing
- Workover
- Plugging
- Other (Explain No pits)

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 Whetstone Received _____
 Company Official (Typed Name) Erika Whetstone Office of Oil & Gas
 Company Official Title Supervisor- Permitting DEC 10 2014

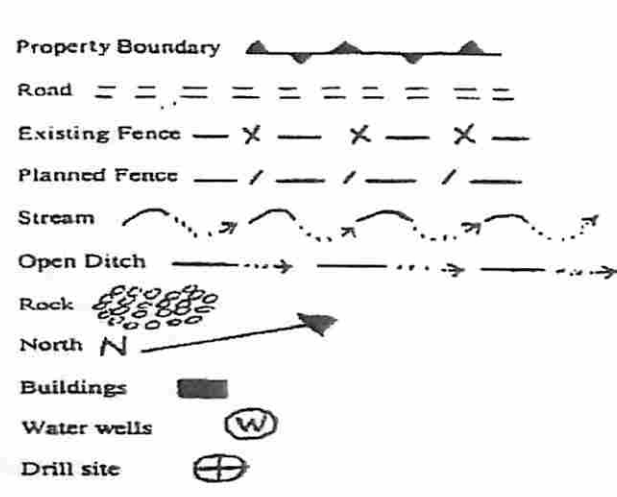
Subscribed and sworn before me this 7th day of December, 2014

Lori L Walker

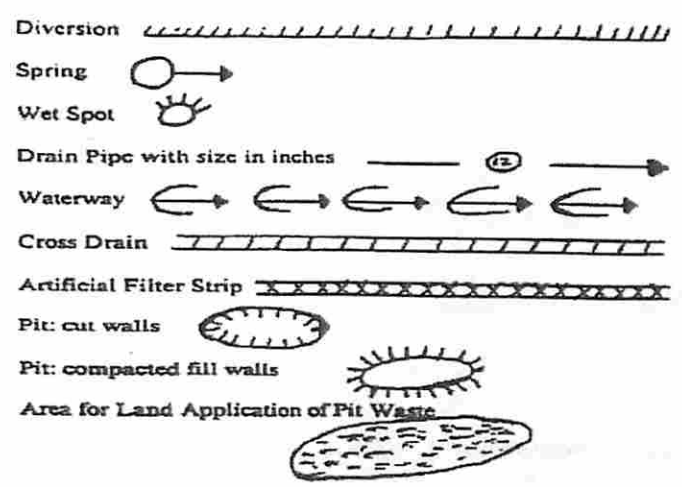
COMMONWEALTH OF PENNSYLVANIA
 Notarial Seal
 Lori L. Walker, Notary Public
 Richhill Twp., Greene County
 My Commission Expires Feb. 23, 2015
 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

My commission expires February 23, 2015

02/27/2015



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: *James T. ...*
Comments: _____

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Office of Oil & Gas
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Title: Oil & Gas Inspector Date: 12/18/14

Field Reviewed? () Yes () No



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DEC 10 2014

Legend

- ☀ Wellbore
- ▭ Parcel Boundary

0 125 250 500 750 Feet
1 inch = 250 feet

This map is property of CNX Land Resources, Inc. and contains information that is proprietary and confidential in nature and may not be copied or reproduced without prior consent.
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Prepared By: Jason Bartley
Original Date: 10/6/2014
Revision No:
Revision Date:

CONSOL ENERGY
Canonsburg, PA

Location Map
Booher & Hicks 6
02/27/2015

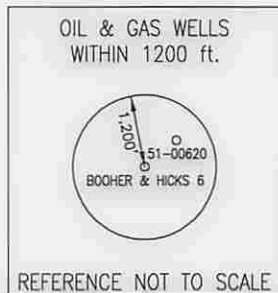
Well is located on topo map 6,409 feet south of Latitude: 39° 47' 30"

Well is located on topo map 9,460 feet west of Longitude: 80° 37' 30"



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.



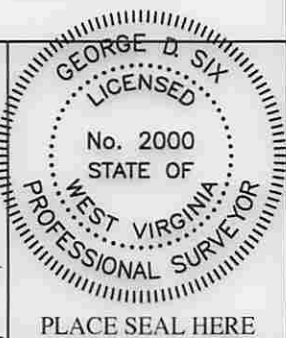
Blue Mountain Inc.
 11023 MASON DIXON HIGHWAY
 BURTON, WV 26562
 PHONE: (304) 662-6486

WELL LOCATION	
UTM 17-NAD83	
N:4402737.72	
E:529232.68	
NAD83, WV NORTH	
N:466156.80	
E:1642846.84	
LAT/LOG DATUM-WGS84	
LAT:39°46'26.66"	
LOX:80°39'31.17"	

FILE #: BOOHER & HICKS 6
 DRAWING #: BOOHER & HICKS 6
 SCALE: 1" = 200'
 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



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



DATE: OCTOBER 13, 2014
 OPERATOR'S WELL #: BOOHER & HICKS 6
 API WELL #: 47 051 00618
 STATE COUNTY PERMIT

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

WATERSHED: FISH CREEK ELEVATION: 979.100'

COUNTY/DISTRICT: MARSHALL / MEADE QUADRANGLE: GLEN EASTON, WV 7.5'

SURFACE OWNER: ROBERT L. HALL ACREAGE: 8.50±

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: GORDON ESTIMATED DEPTH: 2,897'±

WELL OPERATOR CNX GAS COMPANY, LLC DESIGNATED AGENT MATTHEW IMRICH
 Address 200 EVERGREENE Dr. Address 1 DOMINION DRIVE
 City WAYNESBURG State PA Zip Code 15370 City JANE LEW State WV Zip Code 26378

02/27/2015

5100614P



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



December 8, 2014

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

Plugging Permit Application – Well “Booher & Hicks #6”

Dear Sir or Madam,

Enclosed is the plugging permit application for the above referenced well. This well is one of many to be plugged in 2015 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,

A handwritten signature in blue ink that reads "Erika Whetstone".

Erika Whetstone

Received
Office of Oil & Gas
DEC 10 2014

02/27/2015