

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

January 09, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4900887, issued to CONSOLIDATION COAL COMPANY, 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: 5154 (HAYES #41)

Farm Name: ATKINSON, JAMES D.

API Well Number: 47-4900887

Permit Type: Plugging

Date Issued: 01/09/2014

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.

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

1.) Date:	Dec	ember	15		20_	13	
2.) Operator	's We	Il No.	5	154			
3.) API Wel		47		49	-	008	87
		State		County	,	Per	mi

STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL & GAS APPLICATION FOR A PERMIT TO PLUG & ABANDON

Address 1 Bridge St. Address 1 Bridge St. . Monongah, WV 26554 Monongah, WV 26554 .) WELL TYPE:	Oil/ Gas X/ (IF "Gas", Production/	Underground storage	/ Deep	/ ShallowX
WELL OPERATOR Consolidation Coal Co. Address 1 Bridge St. Monongah, WV 26554 Monongah, WV 26554 OIL & GAS INSPECTOR TO BE NOTIFIED Name Bill Hendershot Address 403 James St. Mannington, WV 26582 10.) WORK ORDER: The work order for the manner of plugging this well is as follows:) LOCATION:	11			7711
Address 1 Bridge St.		District: Mannington O	County: Marion		
Monongah, WV 26554 .) OIL & GAS INSPECTOR TO BE NOTIFIED 9.) PLUGGING CONTRACTOR Name Bill Hendershot Address 403 James St. Mannington, WV 26582 10.) WORK ORDER: The work order for the manner of plugging this well is as follows:	.) WELL OPERA	TOR <u>Consolidation Coal Co.</u>		7.) DESIGNATED A	GENT Ronnie Harsh
8.) OIL & GAS INSPECTOR TO BE NOTIFIED 9.) PLUGGING CONTRACTOR Name Bill Hendershot Name Address 403 James St. Address Mannington, WV 26582 10.) WORK ORDER: The work order for the manner of plugging this well is as follows:	Address	1 Bridge St.		Address	1 Bridge St.
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Address	.) OIL & GAS INS	PECTOR TO BE NOTIFIED		9.) PLUGGING COM	TRACTOR
Mannington, WV 26582 [0.) WORK ORDER: The work order for the manner of plugging this well is as follows:	Name _	Bill Hendershot	-	Name	
(0.) WORK ORDER: The work order for the manner of plugging this well is as follows:	Address	403 James St.		Address	
		Mannington, WV 26582			
			SEE EXHIBIT NO	0.1	
			SEE EXHIBIT NO	0.1	
aECE***			SEE EXHIBIT NO	0.1	ae0ewer
Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.	lotification must be	e given to the district oil and gas inspe			Office of O
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EXHIBIT NO.1

From the experience and technology developed since 1970 in plugging oil and gas wells for mining through, Consolidation Coal's Northern West Virginia Operations will utilize one of the following two methods to plug all future wells.

4 ½ VENT PIPE METHOD

- (a) If active well: clean out to total depth and plug back according to state regulations to a minimum of 200 feet below the lowest minable coal seam.
- (b) If abandoned well: clean out to first plug 200 feet below lowest minable coal seam.
- (c) Run 4 ½ casing from surface to a minimum of 200 feet below lowest minable coal seam and circulate 50/50 poz mix cement followed by expanding cement to surface. The expanding cement shall extend from a minimum of 200 feet below minable coal seam to a point 100 feet above.

The 4 $\frac{1}{2}$ will remain open from surface to a minimum of 80 feet below that minable coal seam.

SOLID PLUG METHOD

- (a) If active well: clean out to total depth and plug back according to state regulations to a minimum of 200 feet below lowest minable coal seam.
- (b) If abandoned well: clean out to first plug 200 feet below lowest minable coal seam.
- (c) Circulate through tubing or drill steel an expanding cement plug from a minimum of 200 feet below minable coal seam to a point 100 feet above minable coal.

Circulate through tubing or drill steel 50/50 poz mix from 100 feet above coal seam to surface.

A monument will be installed with API No. and stating "solid plug".

01/10/2014

PRENIOUSLY PLUCGED PER STATE REQUIREMENT 29 00887 P WILL NOW BER PLUCGED PERMSHA.

WR-38 DATE: API# 47-049-0887

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

· AFFIDAVIT OF PLUGGING AND FILLING WELL

NO PIT UTILIZED

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

COCATION: Elevation: 1198	•						
District: Mannangton Latitude: 1390 Feet South of 39 Deg. 33 Min. 24.8 Sec. Longitude: 1385 Feet West of 80 Deg. 24 Min. 43.2 Sec. Well Type: OIL GAS _x Company: Ross & Wharton Gas Co. Coal Operator or Owner	Farm name:	Hayes , J. L.	Heirs	_Operator Well	No.: <u>#41</u>		·
District: Mannangton Latitude: 1390 Feet South of 39 Deg. 33 Min. 24.8 Sec. Longitude: 1385 Feet West of 80 Deg. 24 Min. 43.2 Sec. Well Type: OIL GAS _x Company: Ross & Wharton Gas Co. Coal Operator or Owner		1100		Ouadrandle:	Glover Ga	7.5'	
Latitude: 1390 Feet South of 39 1 beg 13 North. 139 Longitude: 1385 Feet West of 80 Deg. 24 Min. 43.2 Sec. Well Type: OILGAS _x Company: Ross & Wharton Gas Co.							•
Longitude:	اناما ا	da. 1200	Fact South of	34 Dea. 3	3 WHILE	<u> </u>	
Well Type: OILGAS _x	Land	nitude: 1385	Feet West of	80 Deg	24Min	43.2Sec.	
Company: Ross & Wharton Gas Co. Rt. 6, Box 123 Buckhannon, WV 26201 Agent: Mike Ross Permit Issued Date: 12/20/01 AFFIDAVIT STATE OF WEST VIRGINIA, County of Upshur ss: Robert Wharton and Don Elmer being first duly sworn according law depose and say that they are experienced in the work of plugging and filling the above named well operator, and participated in the work of plugging and filling the above ward Randy Mick Oil andGas Inspector representing the Director, say that swork was commenced on the 17th day of December 2002, and that the well was plugging and filled in the following manner: TYPE FROM TO PIPE REMOVED LEFT Gell TD 0 22' of 10" 172' Cement 2230 1810 199' of 8" 1145' Cement 1380 1150 1350' of 6" 705' Cement 850 750 Cut holes in 8 5/8 850-750. Coal 850-750. Cement 80 0 Cut holes in 8 5/8 850-750. Coal 850-750. Cement 80 0 Cut holes in 8 5/8 850-750. Coal 850-750. Description of monument: Set 6" pipe 54" above ground with ID and that the work of plugging and filling said well was completed on the 1st day of March 2002. And furthur deponents saith not. Sworn and subscribe before me this 6th day of March 2002. Sworn and subscribe before me this 6th day of March 2002. Coal Operator or Owner Coal Operator or Owner Bo Bo O Coal Scot	20						
Rt. 6, Box 123 Buckhannon, WV 26201 Agent: Mike Ross	Well Type: OIL_	GAS <u>x</u>	_				(
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My commission expires: 11-03-03	Sworn and s	ubscribe before me		y of <u>Marc</u>	h 20	O 2 THE PARTY OF T	

1AR 0887

OFFICIAL SEAL
NOTARY PUBLIC
TATE OF WEST VIRGINIA
ILENE MURRAY
13 EAGLE \$1 1/1
NUCKHANNON, WY 25201

My Commission Expires Nov 3 3

Notary Public

Oil and Gae Inenector:

FORM WW-4(A) Revised 6-07

1) Date: Decemi	ber 15, 2013
2) Operator's We	ll No. 5154
	47 - 49 - 00887

Environmental Protection

State County Permit

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

A) CUREAGE OWNERS TO BE CERVED	SAA COAL OPERATOR
4) SURFACE OWNER(S) TO BE SERVED (a) Name James D. Atkinson	5)a) COAL OPERATOR Name CONSOLIDATION COAL CO.
Address 15 Smokey Valley Rd.	Address 1 Bridge St.
Mannington, WV 26582	Monongah, WV 26554
(h) Nama	(b) COAL OWNED(S) WITH DECLARATION.
(b) Name Address	(b) COAL OWNER(S) WITH DECLARATION: Name
101111111111111111111111111111111111111	Address
(c) Name	
Address	(c) COAL LESSEE WITH DECLARATION:
(6) INSPECTOR	Name
Address	Address
Telephone	
(1) The Application to Plug and Abandon a Wel parties involved in the work, and describes the work order; and (2) The Plat (surveyor's map) showing the well THE REASON YOU RECEIVED THESE DOCUMENTS IN WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" (FORM WW-4(B) DESIGNATED FOR YOU. HOWEVED Take notice under Chapter 22-6 of the West Virginia Counter and Application and accompanying documents for a permit to Virginia Department of Environmental Protection, with respect on the attached From WW-6. Copies of this Notice, the Application and accompanying documents for a permit to the attached From WW-6. Copies of this Notice, the Application and accompanying documents for a permit to the attached From WW-6. Copies of this Notice, the Application and accompanying documents for a permit to the attached From WW-6. Copies of this Notice, the Application and accompanying documents for a permit to the attached From WW-6.	he well and its location and the plugging
	WELL OPERATOR Consolidation Coal Company
	By Ronnie Harsh .
	Its Project Engineer / Agent . Address I Bridge St.
	Monongah, West Virginia 26554
The second secon	Telephone $(304) - 534 - 4748$
Romie Nan	of a second
Subscribed and sworn before me this 18th day of Jaces Anet S. Scein My commission expires County, State of Yeles My commission expires June 13, 2014	Notary Public OFFICIAL SEAL STATE OF WEST VIRGINIA NOTARY PUBLIC Janet L Lieving 199 Broadview Avenue Fairment, WY 26554 My Commission Expires June 13, 2014
7	Office
Oil and Gas Privacy Notice	Office of Off and Gas
The Office of Oil and Gas processes your personal information personal information may be disclosed to other State agencies regulatory requirements, including Freedom of Information A	on, such as name, address and phone number, as a part of our regulatory duties. Your is or third parties in the normal course of business or as needed to comply with statutory or let requests. Our office will appropriately secure your personal information. If you have any contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov. 01/10/2014

WW-9 Rev. 5/08

P	age		of	
API Number 47 -	049	+	00887	
Operator's Well No.	5154			

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	Consolidation Co.	al Company	OP Code
Watershed Der	nts Run of Buffalo C	reek	Quadrangle Glover Gap
Elevation	1122.95'	County Marion	District Mannington
Description of a	anticipated Pit Waste:	N/A	
Do you anticipa	ate using more than 5,	,000 bbls of water to complete the pr	roposed well work? Yes NoX
Will a synthetic	liner be used in the p	oit? <u>N/A</u> . If so	, what mil.? ZO MIL
Proposed Dispo	Reuse (at Off Site D	ication and Injection (UIC Permit Number_ API Number_ isposal (Supply form WW-9 for disp	oosal location)
If oil b	ased, what type? Syr	nthetic, petroleum, etc.?	Freshwater
-If left	in pit and plan to sol	idify what medium will be used? Co	c. Reused or Disposed (see attached letter) ement, lime, sawdust
on August 1, 20 provisions of the law or regulation I certification for obtaining the in	2005, by the Office of the permit are enforced on can lead to enforce from and all attachment and all attachment of I believe bmitting false information.	Oil and Gas of the West Virginia De- able by law. Violations of any term ment action. law that I have personally examine ats thereto and that, based on my that the information is true, accur- ation, including the possibility of fin	of the GENERAL WATER POLLUTION PERMIT issued partment of Environmental Protection. I understand that the nor condition of the general permit and/or other applicable d and am familiar with the information submitted on this inquiry of those individuals immediately responsible for rate, and complete. I am aware that there are significant e or imprisonment.
Company Offic	ial Signature	Roma Nand	REUCIPE GRAND Gai
Company Offic	ial (Typed Name)	Ronnie Harsh	OWA 0.3 3.77 C.3.5 W
Company Offic	ial Title	Project Engineer	annon of sent
			THE PROPERTY AND A CONTROL OF THE PROPERTY OF
Subscribed and	sworn before me this	t S. Luciung	Notary Public OFFICIAL SEAL STATE OF WEST VIRGINIA NOTARY PUBLIC Janet L. Lieving



CONSOL ENERGY Inc.

Consolidation Coal Company Northern West Virginia Operations 1 Bridge Street Monongah, WV 26554

phone: 304-534-4748 fax: 304-534-4739

e-mail: ronnieharsh@consolenergy.com

web: www.consolenergy.com

*Name: RONNIE HARSH *title: Project Engineer

January 18, 2010

Department of Environmental Protection Office of OII and Gas 601 57th Street, SE Charleston, WV 25304-2345 Phone: (304) 926-0450 Fax: (304) 926-0452

To Whom It May Concern:

As per the Department of Environmental Protection, Office of Oil and Gas request, Consolidation Coal Company, Northern West Virginia Operations, submits the following procedures utilizing pit waste.

Upon submitting a well work application (without general permit for Oil and Gas Pit Waste Discharge Application), Consolidation Coal Company, Northern West Virginia Operations, will construct no pits, but instead will use mud tanks to contain all drilling muds.

Once the well is completed, that material (minus the cave material) will be trucked to the next well to be plugged or to DEP impoundment facilities number U-46-84, U-78-83, O-1044-91, U-104-83, or U-100-83.

Sincerely,

Romi Vally EIVED

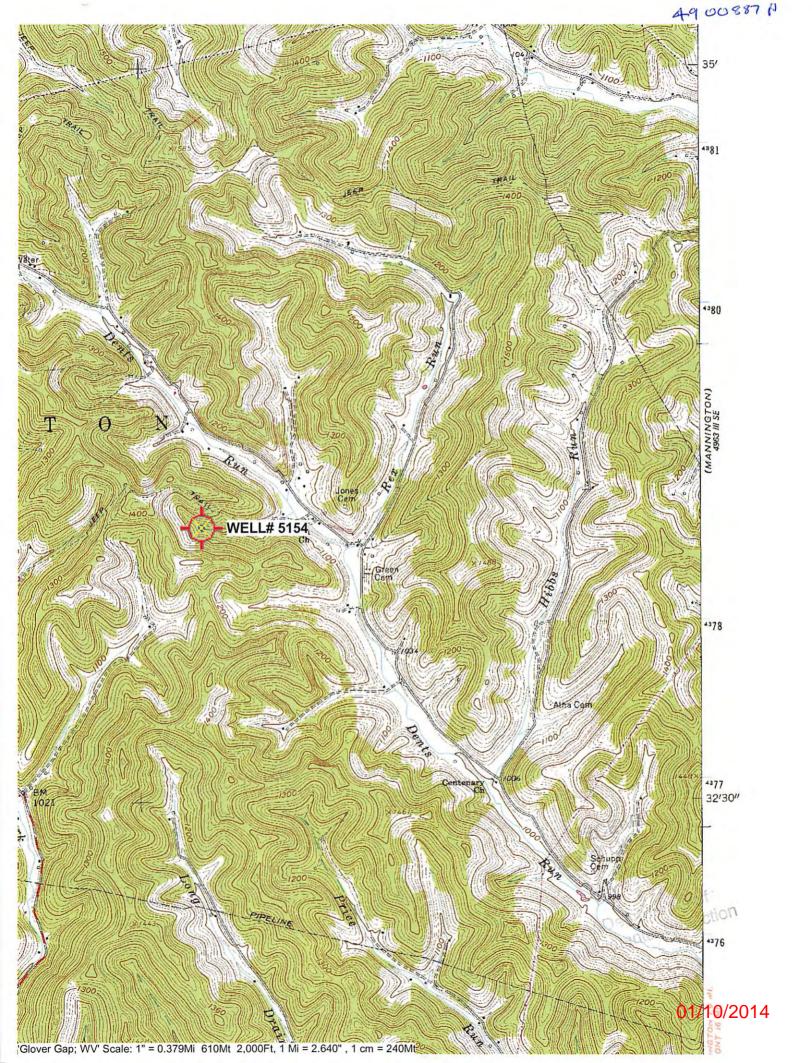
Office of Off and Gas

Ronnie Harsh

Project Engineer

01/10/2014

Environment of Environment of





West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-049-00887	WELL NO.: 5154
FARM NAME: Hayes #41	
RESPONSIBLE PARTY NAME: Trans E	Cnergy Inc.
COUNTY: Marion	DISTRICT: Mannington
QUADRANGLE: Glover Gap	
SURFACE OWNER:James D. Atkinson	
ROYALTY OWNER:	
UTM GPS NORTHING: 4,378,791 m	
UTM GPS EASTING: 550,527 m	GPS ELEVATION: 342 m 11 22, 95 17
The Responsible Party named above has chosen preparing a new well location plat for a plugging above well. The Office of Oil and Gas will not a the following requirements: 1. Datum: NAD 1983, Zone: 17 North, height above mean sea level (MSL) - 2. Accuracy to Datum - 3.05 meters 3. Data Collection Method: Survey grade GPS: Post Processed Diffical Real-Time Differe Mapping Grade GPS _X: Post Processe Real-Time Differe Mapping Grade GPS _X: Post Processe Real-Time Diffical Letter size copy of the topography I the undersigned, hereby certify this data is combelief and shows all the information required by prescribed by the Office of Oil and Gas.	g permit or assigned API number on the accept GPS coordinates that do not meet Coordinate Units: meters, Altitude: meters. Gerential d Differential ential map showing the well location. rect to the best of my knowledge and
Signature Description 15, 2012	Title
Décember 15, 2013 Date	01/10/2014

