

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 03, 2014

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-5902241, issued to TUG FORK DEVELOPMENT, 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days 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.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-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) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: HRC1

Farm Name: HUNTINGTON REALTY CORPOR

API Well Number: 47-5902241
Permit Type: Vertical Well

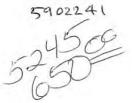
Date Issued: 02/03/2014

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. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 2. Pursuant to 35 CSR § 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
- 3. Pursuant to 35 CSR § 4-19.1.c, if the operator is unable to sample and analyze any water well or spring within one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
- 4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 5. 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.
- 6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
- 7. Well work activities shall not constitute a hazard to the safety of persons.



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

I) Well Operato	יי. TUG ו	FORK DI	EVELOPMENT		59 MINGO	HARVEY	WILSONDALE
				Operator ID	County	District	Quadrangle
) Operator's V	Vell Numb	er: HRC	1		3) Elevation:	1230	
) Well Type: (a	a) Oil	or Ga	as <u>X</u>				
(t) If Gas:	Produ	uction X / Un	derground Sto	orage	_	
		Dee	p/ \$	Shallow X			
5) Proposed Ta5) Proposed To7) Approximate8) Approximate	fresh wa	ter strata		N Formation at I	Proposed Tar Proposed Tota	get Depth: S	3800 ITE SLATE
) Approximate	coal sea	m depth:	s: NONE				
				NONE			-0
0) Approximat	e void de	pths,(co	al, Karst, other):	NONE			-
1) Does land	contain co	al seam	s tributary to ac	tive mine? Y	'ES-SURFACE I	MINE	
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WW-2	2A
(Rev.	6-07)

1). Date:	10/30/13		
2.) Operator's	Well Number	HRC /	
	State	County	Permit
3.) API Well No	o.: 47-	59	-

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

	ner(s) to be served		5) (a) Coal Op	erator		
(a) Name	HUNTINGTON REALTY C	ORP.	Name	CONSOL		V
Address	PO BOX 522		Address	PO BOX 76		
	HUNTINGTON, WV 25710	0-0522		NAUGATUCK, V	VV 25685	
(b) Name			(b) Coal O	wner(s) with	Declaration	
Address			Name	SAME AS SURF		
COMP. SEE			Address			
				-		
(c) Name			Name			
Address			Address	-		
Addicas	-		Addicss	•		
6) Inspector	JEREMY JAMES		(c) Coal I	essee with De	aclaration	
Address	PO BOX 147		Name	SAME AS OPER		1
Address	ONA, WV 25545		Address	SAME AS OF ER	ONTOR	
Tolophono			Address	-		
Telephone	304-951-2596	DEDOONO NA	MED ADOVE T	AICE NOTICE	TILAT	
	he lease or leases or		MED ABOVE T			3.52.0
I certify	Certified Mail (F	er Chapter 22-6 npanying docum- ce (Affidavit atta Postmarked pos	of the West Virg ents pages 1 thro ched) tal receipt attache	inia Code I ha ugh on the	ive served copies	of this notice ar
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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 depprivacyofficer@wv.qov

Nottingham, Justin E

From:

Sam St.Clair <samstclair@huntingtonrealtycorp.com>

Sent:

Thursday, December 19, 2013 8:55 AM

To:

Bill Cubbedge

Cc:

James St.Clair

Subject:

Re: Coal Waiver HRC 1 & 2

RE: Waivers for TFD Wells: HRC 1 & 2

Bill Cubbedge

Tug Fork Development

Sir,

Huntington Realty Corporation (HRC) acknowledges on 12/11/13, the receipt of the following:

Two (2) of the following for Wells **HRC 1 &2** submitted by **Tug Fork Development** and attached:

- WW-2A: Coal Operator, Owner, or Lessee Waivers,
- WV DEP Notice and Applaication for a Well Work Permit
 - Notice to Surface Owners
 - Detailed Maps and Reclamation Plan mapping.

HRC and has no objections to these applications.

HRC has a Lease with CONSOL of Kentucky, Inc. It is superior to your Lease on these selected locations.

Sam St.Clair

Huntington Realty Corporation

Oitifices

1102 Third Avenue River Towers West

Suite 107

Huntington, WV 25701

Mailings

PO Box 522

Huntington, WV 25710

O:304.525.5910 F:304.525.0509 C:304.638.5910



WW.	-2A1	
(Rev.	1/11)

Operator's Well Number	HRC
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INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6, Section 8(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that —

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
HUNTINGTON REALTY CORP	TUG FORK DEVELOPMENT	12.5%	106/216

Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application he reby a cknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WW Division of Natural Resources
- WW Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need f or other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be ac quired f rom the appr opriate authority before the affected activity is initiated.

Well Operator: By:Its:

TUG FORK DEVEL SPENDING TO SECTION OWNER

RECEIVED

WW-2B1
(5-12)

Well No.	HRC	1				
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West Virginia Department of Environmental Protection Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Labor Sampling Cont		
Well Operator	TUG FORK DEVELOPMENT	
Address	3930 BRANDYWINE DR	
	CATLETTSBURG, KY 41129	
Telephone	606 922 5087	

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

THERE ARE NO WATER WELLS WITH DIFFICE DEC 1.6 2013

WV Department of Environmental Protection

WW-9 (5/13)

	Page	01	f
API Number 47 - 59			
Operator's Well I	No. HRC	1	

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Decrator Name TUG FORK DEVELOPMENT OP Code	
Watershed (HUC 10)_OPEN MOUTH OF W FK OF TWELVEPOLE CK_QuadrangleWILSONDALE	
Elevation County MINGO District HARVEY	
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No X	
Will a pit be used for drill cuttings? Yes X No No	
If so, please describe anticipated pit waste: DRILL CUTTINGS PRODUCED AND INDUCED WATER	
Will a synthetic liner be used in the pit? Yes X No If so, what ml.? 18 20 Mic.	
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	
Will closed loop system be used? NO	
Orilling medium anticipated for this well? Air, freshwater, oil based, etc. AIR	
-If oil based, what type? Synthetic, petroleum, etc. N/A	
Additives to be used in drilling medium? SOAP	
Orill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. LEAVE IN PIT	
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A	
-Landfill or offsite name/permit number?	
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 aw 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 benalties for submitting false information, including the possibility of fine or imprisonment.	
Company Official Signature RECEIVED	
Company Official (Typed Name) W. D. CUBBEDGE Office of Oil & Gas	j
Company Official Title OWNER DEC 1-6 2013	,
Subscribed and sworn before me this 28 day of 007 , 20	ا خفظ
Lisa G Robinett Jb MILL Notary Enter Configuration I USA ROBINETTE	ł
5839 RI 60 E Hunding tony My Commission expires 10/13/2018 My Commission Expires doctors M	4

	Operator's Well No. HRC1
5	7
Proposed Revegetation Treatment: Acres Disturbed .5	Prevegetation pH /
Lime 2 Tons/acre or to correct to	pH /
Fertilizer (10-20-20 or equivalent) 500	lbs/acre (500 lbs minimum)
DADED/LIVEDO CEED)	ns/acre
S	Seed Mixtures
Area I	Area II
Seed Type Ibs/acre	Seed Type Ibs/acre
FAWN FESCUE 25	SAME AS AREA 1
ORCHARD GRASS 10	
PERRENIAL & ANNUAL RYE 10	
MEDIUM RED CLOVER 3	
Drawing(s) of road, location,pit and proposed area for land a Photocopied section of involved 7.5' topographic sheet.	application.
Photocopied section of involved 7.5' topographic sheet.	application.
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Photocopied section of involved 7.5' topographic sheet.	application.
	application.
Photocopied section of involved 7.5' topographic sheet. Plan Approved by: Comments:	application.
Photocopied section of involved 7.5' topographic sheet.	Date: AREGEIVED
Plan Approved by: Comments: Title: In spector 00 G	Date: Date: Office of Oil & Gas
Photocopied section of involved 7.5' topographic sheet. Plan Approved by: Comments: Title: Inspector 006	Date: Office of Oil & Gas
Photocopied section of involved 7.5' topographic sheet. Plan Approved by: Comments:	Date: Date: Office of Oil & Gas

NORTH

Tug Valley Surveying, Inc.
Professional Land Surveying & Mapping
P.O. Box 862
Williamson, West Virginia 25661
(606) 237-1222

Tug Fork Development

CATLETTSBURG, KENTUCKY 41129

HRC-1

LEASE #

SCALE

Tug Fork Development

1"= 300"

GAS WELL

Wilsondale

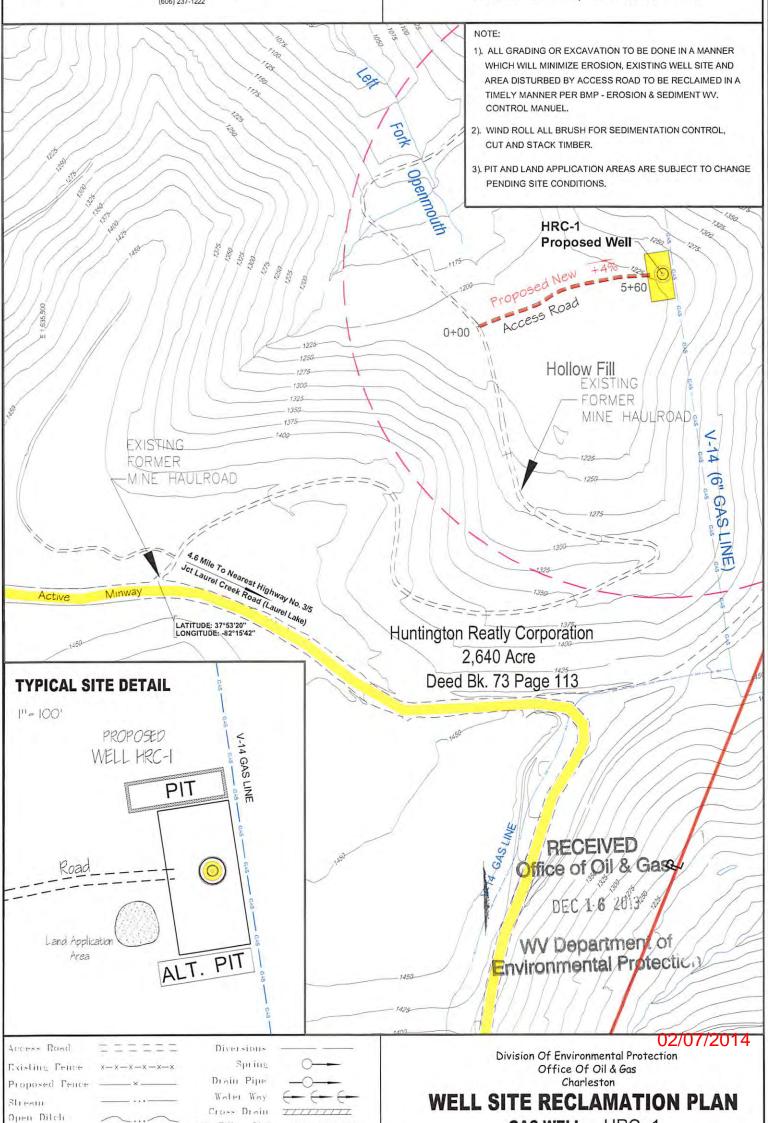
22 October 2013

Mingo

DRAWING FILE: Rec-Plan-HRC-1

QUADRANGLE:

COUNTY:



Art. Filler Strip

Compact Fill Walls

W

App. Of Pil Waste

Storage Pacifilies

Culvells

Tauks

Dilch

Rock

Building

Waler Well

Drill Sile

Gathering Lines

