

#### 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 22, 2013

#### WELL WORK PERMIT

#### Pit Only Permit

This permit, API Well Number: 47-8704726, issued to HARD ROCK EXPLORATION, INC., 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: HR-476

Farm Name: ELLISON, JOHN

API Well Number: 47-8704726

Permit Type: Pit Only Permit

Date Issued: 10/22/2013

WW - 2B (Rev. 8/10)

Depths Set

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

1) Well Operato	or: Hard	Rock Exp	oloration, Inc.	494464205	Roane	Reedy	Reedy, WV 7.5'
				Operator ID	County	District	Quadrangle
2) Operator's W	/ell Numb	er:_HR-4	176		3) Elevation:	686'	- Charlet
4) Well Type: (a	a) Oil	or Ga	as X				- Check # 3611
(b	) If Gas:	Produ	ction X / Un	derground Sto	rage		\$ 100,00
		Deep	01	Shallow X			
<ul><li>5) Proposed Ta</li><li>6) Proposed To</li><li>7) Approximate</li><li>8) Approximate</li></ul>	tal Depth fresh wa	: 7144 ter strata	Feet a depths: 40', 260'	Formation at F			
9) Approximate	coal sea	m depths	S: None noted i	n offset wells			
10) Approximate							
				100			
11) Does land o	contain co	oal seam	s tributary to ac	tive mine? N	0		
12) Describe pro	posed we	ll work ar	nd fracturing meth	nods in detail (a	ttach additiona	al sheets if n	eeded)
Clean out frac balls	s, cuttings a	and comple	etion sleeves insid	e existing 4.5" pro	oduction casing	by means of t	ubing and mill.
1/1							
19/	RIVER	3			V.5		
13) TYPE S	PECIFIC	1 1 7 1 1 1 1 1 1 1	SING AND TU	FOOTAGE	<u>am</u> Intervals	S CEME	-NT
1412 0	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Co	
Conductor	13 3/8"	LS	37#	78'	78'	СТ	S
	9 5/8"	LS	26#	612'	612'	312 Cut	
Coal							
Intermediate	7"	LS	19#	2337'	2337'	534 Cut	t CTS
Production	4 1/2"	N-80	11.6#	7054'	7054'	130	Cuft
Tubing					Rec	eiv@d(	
Liners					7.20	2 4 2013	
Packers: Kind	: Peake	- Dual Fla	ement Hydraulic se	et - 10k diff			ation
Size	200	Dudi Lit	mont ryuraulo se	A. TOR OIL	Office	e of Oil and Gas Environmental Pro	atection.
Dent	ths Set				MA Debr. o.		<del>10/25</del> /2013

WW-2	2A
(Rev.	6-07)

1). Date:

October 17, 2013

2.) Operator's Well Number

HR-476

State

County

Permit

3.) API Well No.:

47-

04726

# 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	d: 10/	5) (a) Coal Ope			
(a) Name	John Ellison	VV	Name	None		
Address	1097 Liverpool Road		Address			
	Leroy, WV 25252		-			
(b) Name			_	wner(s) with De	claration	
Address			_ Name	John Ellison		
			Address	1097 Liverpool Roa	ad	
				Leroy, WV 25252		
(c) Name			Name			
Address			Address	180		
<ol><li>6) Inspector</li></ol>	Ed Gainer			essee with Decla	aration	
Address	PO Box 821		Name	None		
	Spencer, WV 25276		Address	_		
Telephone	304)389-7582					
				AKE NOTICE T		
Included is the	he lease or leases or	other continuing	contract or contra	acts by which I ho	ld the right to e	extract oil and gas
<u>OR</u>						
	he information require					
I certify	that as required und	er Chapter 22-6	of the West Virg	inia Code I have	served copies	of this notice and
application, a loc	ation plat, and accor			ugh on the ab	oove named pa	arties by:
	Personal Servi	ce (Affidavit attac	ched)			
X	Certified Mail (	Postmarked post	al receipt attache	d)		
	Publication (No	otice of Publication	n attached)			
	ad and understand (	Chapter 22-6 and	135 CSR 4, and	I agree to the ter	rms and cond	itions of any permit
issued under this						
	under penalty of law					
	orm and all attachm				luals immediat	ely responsible for
	ormation, I believe the					
	are that there are sig	nificant penalties	for submitting fal	ise information, in	icluding the po	ssibility of fine and
imprisonment.	IOTARY PUBLIC OFFICIAL SEAL	Mall Operator	Hand Deal Typlanati	ion Ino. A		
Par I A	WILLIAM D. RISKE	By:	Hard Bock Explorati	on inc.		
I ELEMPENTE INC	State of West Virginia commission Expires Sept. 6, 2022	Its:	President	pho		120
	INS BRANCH RD. CHARLESTON, WV 25312		1244 Martins Branch	Pond		hair
Constitution of the Consti	~~~~~	Address	Charleston, WV 253			SIAGO
		Telephone	(304)984-9004	112	Her	J
Subscribed and	sworn before me this		LANGUE MARKET OF THE PROPERTY.	P		-240
Subschiber and	sworn belove the this	J. H day of	CODE	,	700	7 2 2013
Molke	au N	0.10		Notary P	Public OCI	L
My Commission	Expires	9	-6-2022		dollo	oil and Gas
Oil and Gas Privacy	Expires  Notice  d Gas processes your permation may be disclosed				Office	e of Oil and Gas Environmental Protection
The Office of Oil and	d Gas processes your pe	ersonal information	such as name addr	ess and phone numb	her aw Dept. of	our regulatory duties
Your personal inform	mation may be disclosed	to other State ager	cies or third parties	in the normal cours	e of business or	as needed to comply

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 <a href="mailto:depprivacyofficer@wv.gov">depprivacyofficer@wv.gov</a>

#### SURFACE OWNER WAIVER

County	Roane	Operator	Hard Rock Exploration, Inc.
•		Operator well number	HR-476

#### **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 57<sup>th</sup> 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 a dequate 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.

<u>Comments must be in writing.</u> 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;

Compa Signature Date 10-21-13 Name By Its

- 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.

<u>List of Water Testing Laboratories.</u> 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 F orm WW2-B, a s urvey plat, and a s oil 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.

FOR EXECUTION BY A NATURAL PERSON

Company Name
By
Its

OCI 2 2 2013
Date

Office of Oil and Gas

Office of Environmental Protection

Signature wv Dept. of Environmental Date

FOR EXECUTION BY A CORPORATION, ETC.

**Print Name** 

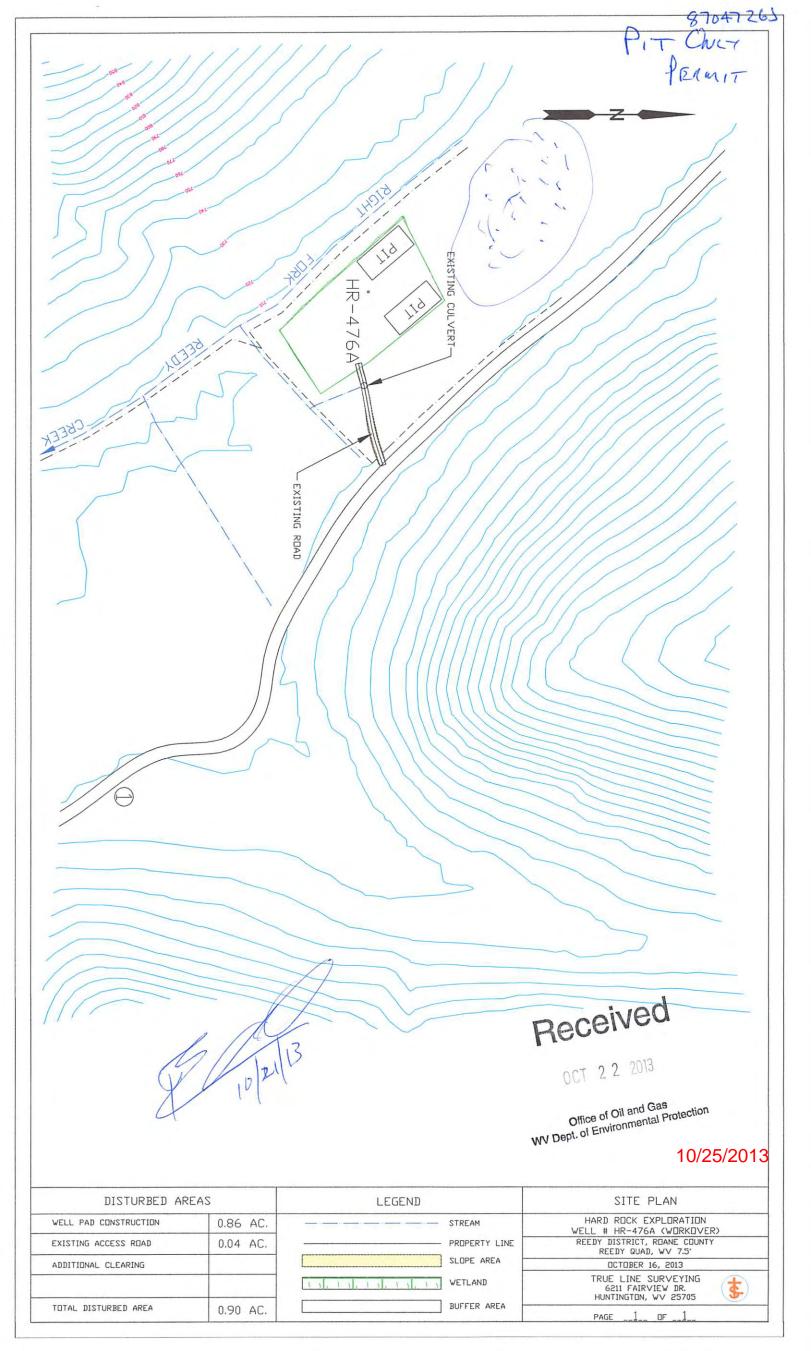
# **COAL OPERATOR, OWNER, OR LESSEE WAIVER**

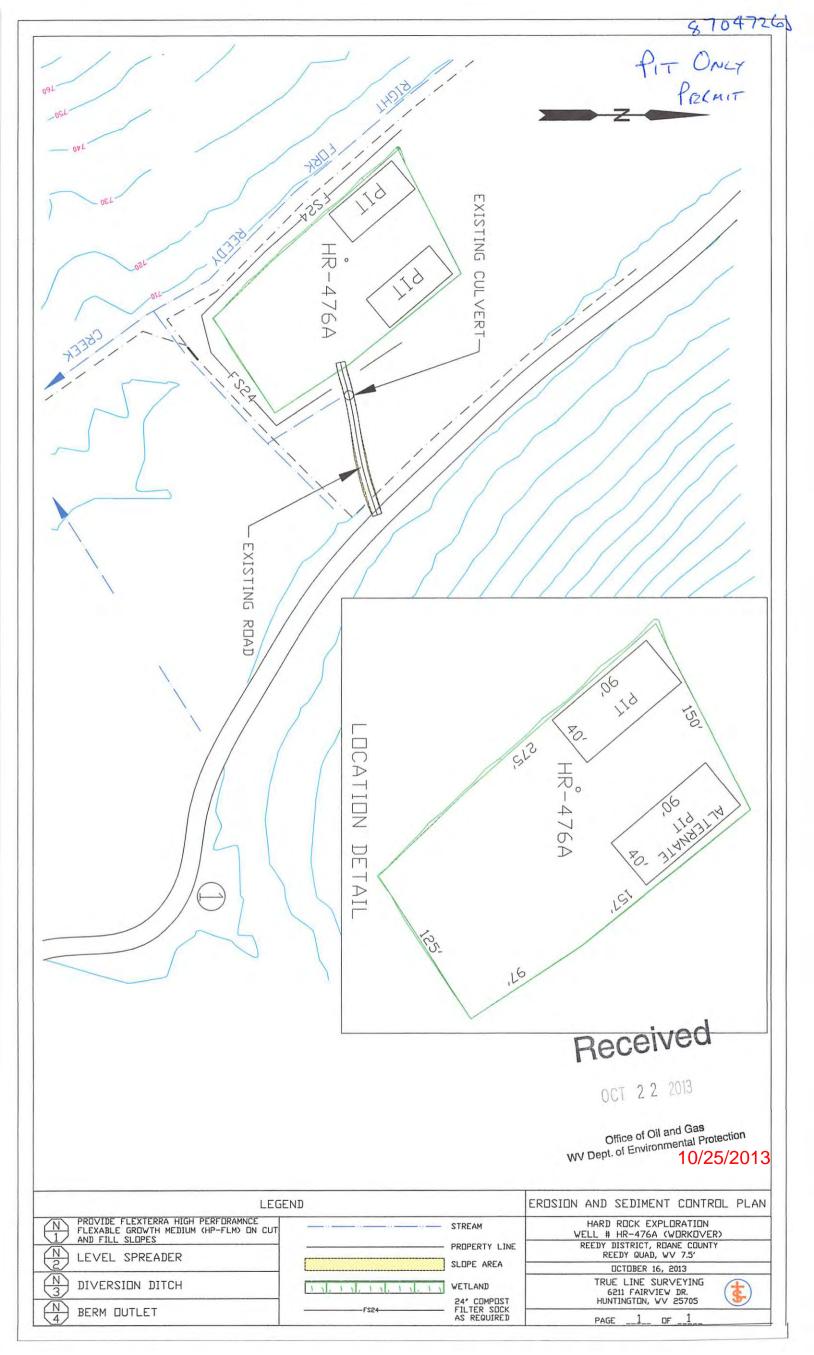
Operator Hard Rock Exploration, Inc.	Operator's Well Number	HR-476
·		
INSTRUCTIONS TO	COAL OPERATOR, OWNER	, OR LESSEE
To the coal operator, owner, or leading objection you wish to make or are rewith the Chief of the Office of Oil and G by the Office. Mail objections to:	equired to make by WV Code	22-6-15, 16 or 17, must be filed
Chief, Office of Oil and Gas Department of Environmental Protection 601 57 <sup>th</sup> St. SE Charleston, WV 25304 (304) 926-0499 extension 1654		
	WAIVER	
The undersigned coal operator location has examined this proposed we location, the well location has been adde work proposed to be done at this location requirements of the West Virginia Code a	II location. If a mine map exised to the mine map. The und n, provided, the well operator	ersigned has no objection to the has complied with all applicable
FOR EXECUTION BY A NATURAL PERSON	FOR EXEC	UTION BY A CORPORATION, ETC.
John Ellison Date	Company 1 <i>0-21-13</i> Name	
Signature	By	Date
•		3410
	Signa	ture Date

Received

OCT 22 2013

Office of Oil and Gas
Office of Environmental Protection





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API Number 47 - 087	- 04726	
Operator's Well N	lo. HR-476	

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

### FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

PIT ONLY PERMIT

Operator Name Hard Rock Exploration	, Inc.	OP Cod	le 494464205	PERMIT
Watershed (HUC 10) Right Fork of	Reedy Creek	Quadrangle Reedy, V	VV 7.5'	
Elevation 686	County_Roane	Distri	ct_Reedy	
	Yes X No  ted pit waste: cuttings /well in the pit? Yes X Nor Treated Pit Wastes:	bore debree - Fresh water	er soap and Clay stabilizent.? 10 or greater	zation
The state of the s	ell? Air, freshwater, oil bas	ed, etc. Air & Seap .	edter	
Additives to be used in drilling medium Drill cuttings disposal method? Leave -If left in pit and plan to solid -Landfill or offsite name/perm	in pit, landfill, removed off	site, etc. <u>Leave in pit</u> ed? (cement, lime, sawdu	st) coment t	dut
I certify that I understand and on August 1, 2005, by the Office of Oprovisions of the permit are enforceable law or regulation can lead to enforcem I certify under penalty of la application form and all attachments obtaining the information, I believe penalties for submitting false informat Company Official Signature  Company Official (Typed Name) Jar Company Official Title President	I and Gas of the West Virginal by law. Violations of an ent action.  We that I have personally extended that the information is true ion, including the possibility.	nia Department of Environy term or condition of the camined and am familiar n my inquiry of those, accurate, and complete	nmental Protection. I use general permit and/or with the information individuals immediately. I am awage that the	nderstand that the r other applicable submitted on this y responsible for re are significant
Subscribed and sworn before me this	17th day of O Deske 6-2022	CTOBER N	, 20/3 otary Public	NOTARY PUBLIC OFFICIAL SEAL WILLIAM D. RISKE State of West Virginia My Commission Expires Sept. 6, 202 1244 MARTINS BRANCH RD. CHARLESTON, WY

Operator's Well No. HR-476

Proposed Revegetation Treatment: Acres Disturbed	1.10 Prevegetation pH 5.5
Lime 3 Tons/acre or to corr	rect to pH 6.5
Fertilizer (10-20-20 or equivalent) 500	lbs/acre (500 lbs minimum)
Mulch Hay/Straw/Paper (Paper at 1600 lbs/acr	Tons/acre
	Seed Mixtures
Area I	Area II
Seed Type lbs/acre	Seed Type lbs/acre
Red Top 15	Red Top 15
Orchard Grass 25	Orchard Grass 25
Perennial Rye/Crimson Red Clover 25 Ea	ach Perennial Rye/Crimson Red Clover 25 Each
Annual Rye 40	Annual Rye 40
Plan Approved by:  Comments:	
Taretar	10/21/13 -
Field Reviewed?	Date: 10 21 3 Receive

Office of Oil and Gas WV Dept. of Environmental Protection