

#### 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

June 18, 2015

#### WELL WORK PLUGGING PERMIT

#### Plugging

This permit, API Well Number: 47-8100751, issued to NEW RIVER ENERGY CORPORATION, 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: ROWLAND LAND 23

Farm Name: ROWLAND LAND CO.

API Well Number: 47-8100751 Permit Type: Plugging

Date Issued: 06/18/2015

### **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.

WW-4B Rev. 2/01

1) Date March 31	,	20 15
2)Operator's		-
Well No. 131381 F	Rowland B-23	
3) API Well No.	47 - 081	- 00751

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

	APPLICATION FOR A PERM	MIT TO PLUG AND ABANDON
4)	Well Type: Oil/ Gas x/ Liquid	i injection / Waste disposal /
	<del></del>	derground storage) Deep/ Shallowx
5)	Location: Elevation 1555	Watershed Marsh Fork
	District Marsh Fork	County Raliegh Quadrangle Pilot Knob 7.5'
6)	Well Operator New River Energy Corporation	7) Designated Agent Roger Whited
	Address PO Box 1020	Address 8165 Elizabeth Pike
	Waynesburg, PA 15370	Elizabeth, WV 26143
8)	•	
	Name Gary Kennedy	Name Patchwork Oil & Gas, LLC
	Address Po Box 268	Address 8165 Elizabeth Pike
	Nimitz, WV 25978	Elizabeth, WV 26143
		RECEIVED Office of Oil and Gas
		RECEIVED Office of Oil and Gas APR <b>0 9</b> 2015
		APR 0 9 2015
	fication must be given to the district oi can commence.	APR 0 9 2015



IV-35 (Rev 8-81)

## NECETVED AUG 1 1 1987

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

### State of Mest Birginia Pepartment of Mines

Gil und Gas Division

Date	April 6 .1987
Operator	r's
	. Rowland 23
Farm p	Rowland Land Co
	47 - 081 - 0751

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

LOCATION: Elevation: 1538 Watershed					
District: Marsh Fork County Rale	igh ·	Quadrangl	e Pilot K	nob 7.5	
*					
CMPANY Allegheny & Western Energy Corp	1		-		-
DORESS P.O.Box 2587, Charleston, W.Va., 25329	Contan			Cement	1
ESIGNATED AGENT Dennis L. Mann	Casing	Used in		fill up	
DDRESS P.O.Box 2587, Charleston, W.Va., 25329	Size	Drilling	in Well	Cu. ft.	1
SURFACE OWNER Rowland Land Co.	20-16 ;	1			
DDRESS 1033 Quarrier St, Charleston, W.Va.	Cond.				-
INERAL RIGHTS OWNER Same	13-10"	43	0	0	-
DDRES	9 5/8	992	992	375 sks	1
IL AND GAS INSPECTOR FOR THIS WORK Rodney	8 5/8				Sho
Dillon ADDRESS Sophia, W.Va	7	2504	2504	175 sks	3
PERMIT ISSUED 12/4/86	5 1/2 :	2230			-
RILLING COMMENCED 12/30/86	4 1/2	5891	5891	260 sks	-
RILLING COMPLETED 1/9/89	2	-		-	1
T ADDITION TO THE PARTY OF THE	_ 2				1
F APPLICABLE: PLUGGING OF DRY HOLE ON CNITINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED N	Liners used				
ONTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED N	Liners used	Dem	-h 5300	Foot	
ONTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED  N  Devonian Shal	Liners used				
CNTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED  N  EDIOGICAL TARGET FORMATION Devonian Shall  Depth of completed well 5910 feet	Liners used	/ Cable			
DATINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED  DEVONIAN Shall Devonian Shall Depth of completed well 5910 feet  Water strata depth: Fresh 50 feet;	Liners used Rotary X	/ Cable	e Tools_		
CONTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED  N  ECOLOGICAL TARGET FORMATION Devonian Shall Depth of completed well 5910 feet  Water strata depth: Fresh 50 feet;  Coal seam depths: N/A	Liners used Rotary X	/ Cable	e Tools_		
CONTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED  N	Liners used  Rotary X Salt 50 Is coal	/ Cable 0feet being mine	e Tools_	area?_no_	
CONTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED  N  ECOLOGICAL TARGET FORMATION Devonian Shall  Depth of completed well 5910 feet  Water strata depth: Fresh 50 feet;  Coal seam depths: N/A  PEN FLOW DATA  Producing formation Weir	Liners used  Rotary X Salt 50 Is coal	/ Cable 0feet being mine v zone dept	e Tools_ed in the	area?_no_	R
CONTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED  N  ECOLOGICAL TARGET FORMATION Devonian Shall Depth of completed well 5910 feet  Water strata depth: Presh 50 feet;  Coal seam depths: N/A  PEN FLOW DATA  Producing formation Weir  Gas: Initial open flow Mcf/d	Liners used  Rotary X Salt 50 Is coal Pay Oil: Ini	/ Cable nfeet being mine r zone dept tial cpen	e Tools_ed in the ch_2927_flow_	area?_no	RAL
ENDINOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED  DESCRIPTION DEVONIAN Shall  Depth of completed well 5910 feet  Water strata depth: Fresh 50 feet;  Coal seam depths: N/A  PEN FLOW DATA  Producing formation Weir  Gas: Initial open flow 49 Mcf/d  Time of open flow between init	Liners used  Rotary X Salt 50 Is coal Pay Oil: Ini	Cable feet being mine zone dept tial open hal open fi	e Tools  ed in the  ch 2927  flow  Low Offi	area?_nofeet RECE	R.A.VED and
CONTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED  DEPTH OF COMPLETED Well 5910 feet Water strata depth: Fresh 50 feet; Coal seam depths: N/A  PEN FLOW DATA  Producing formation Weir  Gas: Initial open flow 49 Mcf/d  Time of open flow between init	Liners used  Rotary X Salt 50 Is coal Pay Oil: Ini	Cable feet being mine zone dept tial open hal open fi	e Tools  ed in the  ch 2927  flow  Low Offi	area?_nofeet RECE	R.A.VED and
ENFINIOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED  DEPTH OF COMPleted well 5910 feet  Water strata depth: Fresh 50 feet;  Coal seam depths: N/A  PEN FLOW DATA  Producing formation Weir  Gas: Initial open flow Mcf/d  Final open flow 49 Mcf/d  Time of open flow between init  Static rock pressure 770 psig (surface)  (If convicable due to withing a continuous services)	Liners used  Rotary X Salt 50 Is coal  Pay Oil: Ini Fir	/ Cable	e Tools_ ed in the th 2927 flow_ low_Offi 24 hours 24 hours	feet  RECE  CC OTO	RAVED d
EMPINIOUS PROGRESSION FROM DRILLING OR EMORKING. VERBAL PERMISSION OBTAINED  Depth of completed well 5910 feet Water strata depth: Fresh 50 feet; Coal seam depths: N/A  PEN FLOW DATA  Producing formation Weir Gas: Initial open flow Mcf/d  Final open flow 49 Mcf/d  Time of open flow between init Static rock pressure 770 psig (surface) (If applicable due to multiple completion)	Liners used  Rotary X Salt 50 Is coal Pay Oil: Ini Fir ial and fire measurem	/ Cable	e Tools_ed in the ch 2927 flow_tow_Office 24 hours.	feet PECE	RAED and 2015
CONTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED  Depth of completed well 5910 feet  Water strata depth: Fresh 50 feet;  Coal seam depths: N/A  PEN FLOW DATA  Producing formation Weir  Gas: Initial open flow Mcf/d  Final open flow 49 Mcf/d  Time of open flow between init  Static rock pressure 770 psig (surface)  (If applicable due to multiple completion	Liners used  Rotary X Salt 50 Is coal Pay Oil: Ini Fir ial and fire measurem	/ Cable	e Tools_ed in the ch 2927 flow_tow_Office 24 hours.	feet PECE	RAED and 2015
CONTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED  N  ECOLOGICAL TARGET FORMATION Devonian Shall  Depth of completed well 5910 feet  Water strata depth: Fresh 50 feet;  Coal seam depths: N/A  PEN FLOW DATA  Producing formation Weir  Gas: Initial open flow Mcf/d  Final open flow 49 Mcf/d  Time of open flow between init  Static rock pressure 770 psig (surface)  (If continable due to wilting a continuous service)	Liners used  Rotary X Salt 50 Is coal  Pay Oil: Ini rial and fi me measurem le Pay Oil: Ini	/ Cable	ed in the	feet PECE	RAED and 2015 ment

#### DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMILATING, PHYSICAL CHANGE, EIC.

2927-3062 perf w/ 44 holes frac w/ 45,000# 20/50 sd + 750 gal 15% acid + 805,000 scf n2 3544-3554 perf w/ 21 holes frac w/ 30,000# 20/50 sd + 500 gal 15% acid + 500,000 scf n2 3752-5023 perf w/ 45 -oles frac w/ 40,000# 20/50 sd + 1,000 gal 15% acid + 1,256,000 scf n2 5081-5834 perf w/ 33 holes frac w/ 12,000# 20/50 sd + 1,000 gal 15% acid + 804,000 scf n2



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

#### WELL LOG

FORMATION COLOR HARD CI	R SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
sendstone & shale salt sand shale salt sand shale & sand little lime slate & lime big lime shale weir grey shale sumbury shle sandy siltstone & shale gordon grey & brown shale		0 1458 1623 1707 1928 2403 2461 2509 2854 2918 3071 3314 3343 3543 3552	1458 1623 1707 1928 2403 2461 2509 2854 2918 3071 3314 3343 3552 5910	то 5910 кв
				RECEIVED Office of Oil and Ga
				APR 0 9 2015

WV Department of (Attach separate sheets as necedenvironmental Protection

Allegi	neny & Western Energy Corp
Wel	1 Operator
	$\Omega$ ( $m$
By:	Ver & M. Vice President
Date:	April 6 ,1987

Note: Regulation 2.02(1) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including until, enrountered in the drilling of a well."

Latin

#### WORK ORDER

#### 131381 Rowland B-23

47-081-00751

#### PROPOSED PLUGGING PROCEDURE

- 1. Prepare plugging permit application.
- 2. Certify to surface and coal owners.
- 3. Certify to designated State inspector for signature.
- 4. Once all signatures are obtained, copy for our records and certify to Jeff at the State Office for approval.
- 5. Receive plugging permit good for 2 years.
- 6. Notify the designated State inspector 24 hours prior to commencing operations.
- 7. Take equipment to location and begin prepping for plug.
- 8. Rig up
- 9. Verify total depth of 4 1/2 @ 5891'. 5916
- 10. Attempt to clean out well bore to original depth, if needed.
- 11. Run tubing to bottom of 4 1/2 at 5981'. Set first plug with 178 sacks of Class A cement with no more than 3% CaCl2 and no other additives from 5981' up to 3494'. (Bottom, Pay zone)
- 12. Pull tubing back, wait 8 hours
- 13. Run back in tag plug, add additional cement if needed.

RECEIVED
Office of Oil and Gas

14. Run 2 sacks of 6% Bentonite gel from 3494' up to 3112'

APR 0 9 2015

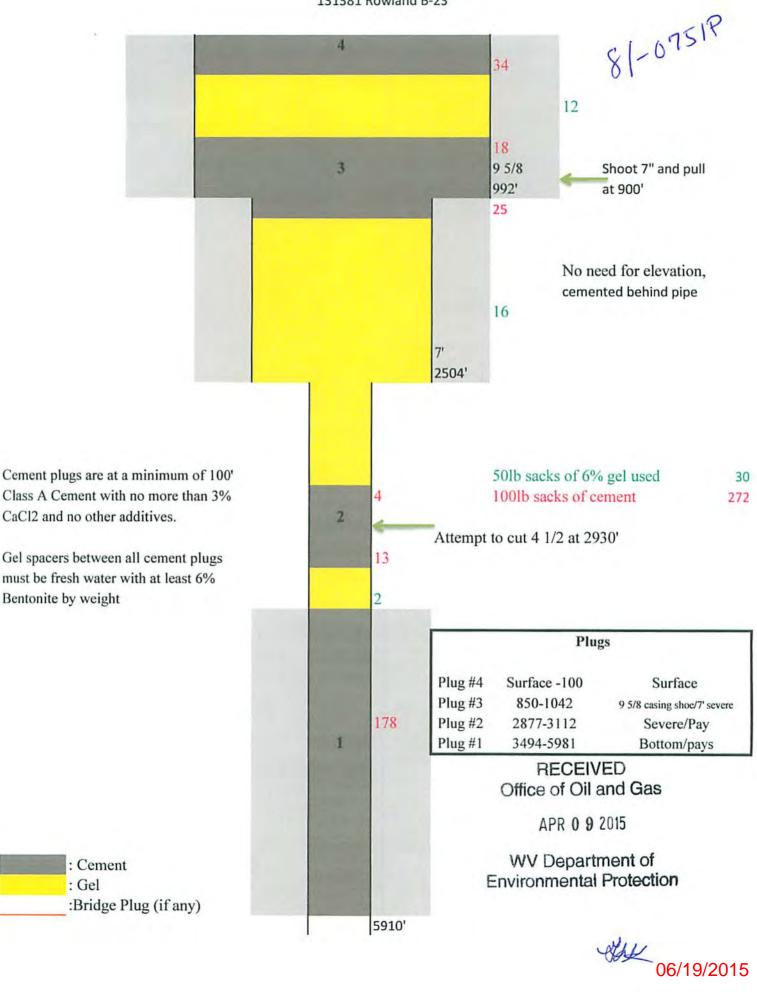
- 15. Pull tubing back to 3112', set second plug with 17 sacks of Class Avenuent of than 3% CaCl2 and no other additives from 3112' up to 2877'. (PaEnvironmental Protection
- 16. Pull tubing back, wait 8 hours
- 17. Run back in tag plug, add additional cement if needed.
- 18. Run 2 sacks of 6% Bentonite gel from 2877' up to 2350'.
- 19. Run in and severe 4 1/2 at approximately 2300', pull salvage.

- 20. Run tubing into 2350', set third plug with 14 sacks of Class A cement with no more than 3% CaCl2 and no other additives from 2350' up to 2250'.
- 21. Pull tubing back, wait 8 hours
- 22. Run back in tag plug, add additional cement if needed.
- 23. Run 10 sacks of 6% Bentonite gel from 2250' up to 1042'
- 24. Shoot 7" at or around 900', pull salvage.
- 25. Run tubing to 1042', set 4th plug with 44 sacks of Class A cement with no more than 3% CaCl2 and no other additives from 1042' up to 850.
- 26. Pull tubing back, wait 8 hours
- 27. Run back in tag plug, add additional cement if needed.
- 28. Run 12 sacks of 6% Bentonite gel from 850' up to 100'
- 29. Pull back to 100', run 34 sacks of Class A cement with no more than 3% CaCl2 and no other additives from 100' to surface.
- 26. Solidify pit if necessary with more cement and lime, then bury.
- 27. Set 6" x 12.5" steel pipe with concrete with 1/2" API identification.
- 28. Rig down, and move equipment out.
- 29. Reclaim location
- 30. Prepare WR-34 & WR-38 for permit release.

RECEIVED
Office of Oil and Gas

APR 0 9 2015

WV Department of Environmental Protection



#### SURFACE OWNER WAIVER

Operator's Well Number

131381 Rowland B-23

#### INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (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 FIVE (5) 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.

<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;
- 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.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that Place copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WWiffe wit Oil and Gas

objection to a permit being issued on thos	bjection to the e materials.	planned work	described in the square figure, and I have no
FOR EXECUTION BY A NATURAL PEI ETC.	RSON	N	FOR EXECUTION BY A CORPORATION, WV Department of Environmental Protection
Signature	Date	Name _ By	
		Its _	Date

Signature 06049/2015

API No.	47-081-00751
Farm Name	131381 Rowland
Well No.	B-23

# INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less then five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

	WAIVER
has examined this proposed plugging	or/ owner/ lessee/ of the coal under this well location g work order. The undersigned has no objection to the work proposed to be well operator has complied with all applicable requirements of the West ulations.
Date:	
	By:
	Its

RECEIVED
Office of Oil and Gas

APR 0 9 2015

WV Department of Environmental Protection

1)	Date:	March 31, 2015	
2)	Operator	r's Well Number	
1313	Rt Rowland	R-23	

3) API Well No.: 47 -

081 - 00751

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

<ol> <li>Surface Ow (a) Name</li> </ol>	ner(s) to be served: Rowland Land Company,		) (a) Coal Operato Name	r None	
Address	405 Capital St. Ste 609	110	Address	Notic	
Address	Charleston, WV 25301		Address	_	
(b) Name	Charlestott, WV 20001		(b) Cool Or	wner(s) with Declaration	
Address			Name	Rowland Land Company, LLC	
Address			Address	405 Capital St. Ste 609	
			Address	Charleston, WV 25301	
(c) Name			Name	Chaneston, WV 25501	
Address	-		Address	( <del></del>	
Address			Address		
Inspector	Gary Kennedy		(c) Coal Le	ssee with Declaration	
Address	Po Box 268		Name	Performance Coal Company/Alpha Natural Reso	ources /
- 414,44 0,00	Nimitz, WV 25978		Address	300 Running Right Rd.	
Telephone	304-382-8402			Julian, WV 25521	
				2010 CHARLES TO CO. CO. C. P. WIN.	
The reason However,	you are not required to take an ee that under Chapter 22-6 of t	ts is that you have in y action at all. the West Virginia Co	rights regarding the appli	cation which are summarized in the instructions on operator proposes to file or has filed this Notice an	d Application ar
Take notic accompany Protection the Applic	n you received these documen you are not required to take an the that under Chapter 22-6 of the ying documents for a permit to with respect to the well at the	ts is that you have a y action at all. the West Virginia Co p plug and abandon a e location described mailed by registers	ode, the undersigned well a well with the Chief of the on the attached Applicated or certified mail or de		d Application an of Environmenta
Take notic accompany Protection the Applic	n you received these documen you are not required to take an ee that under Chapter 22-6 of the ying documents for a permit to with respect to the well at the eation, and the plat have been	ts is that you have a y action at all.  the West Virginia Co be plug and abandon a e location described i mailed by registered ay of mailing or deli	ode, the undersigned well a well with the Chief of the on the attached Applicated or certified mail or de	operator proposes to file or has filed this Notice an ne Office of Oil and Gas, West Virginia Department ion and depicted on the attached Form WW-6. Cop elivered by hand to the person(s) named above (or	d Application and of Environmenta
Take notic accompany Protection, the Applic certain circ	n you received these documen you are not required to take an ee that under Chapter 22-6 of t ying documents for a permit to , with respect to the well at the eation, and the plat have been cumstances) on or before the d	ts is that you have a y action at all.  the West Virginia Co be plug and abandon a e location described i mailed by registered ay of mailing or deli	ode, the undersigned well a well with the Chief of the on the attached Applicate ed or certified mail or de ivery to the Chief.	operator proposes to file or has filed this Notice an ne Office of Oil and Gas, West Virginia Department ion and depicted on the attached Form WW-6. Cop elivered by hand to the person(s) named above (or	d Application and of Environmenta
Take notic accompany Protection the Applic certain circ	n you received these documen you are not required to take an ee that under Chapter 22-6 of the ying documents for a permit to with respect to the well at the cation, and the plat have been cumstances) on or before the d	ts is that you have a y action at all.  the West Virginia Co o plug and abandon a e location described mailed by register ay of mailing or deli	ode, the undersigned well a well with the Chief of the on the attached Applicate ed or certified mail or de ivery to the Chief.	operator proposes to file or has filed this Notice an ne Office of Oil and Gas, West Virginia Department ion and depicted on the attached Form WW-6. Cop elivered by hand to the person(s) named above (or	d Application and of Environmenta
Take notic accompany Protection the Applic certain circ	n you received these documen you are not required to take an ee that under Chapter 22-6 of the ying documents for a permit to with respect to the well at the cation, and the plat have been cumstances) on or before the d	ts is that you have a y action at all.  the West Virginia Co plug and abandon a location described a mailed by register ay of mailing or deli  Well Operato By:	ode, the undersigned well a well with the Chief of the on the attached Applicated or certified mail or delivery to the Chief.  New River Energy Company Compan	operator proposes to file or has filed this Notice an ne Office of Oil and Gas, West Virginia Department ion and depicted on the attached Form WW-6. Cop elivered by hand to the person(s) named above (or	d Application and of Environmenta
The reason However, Take notic accompany Protection the Applic certain circ	ryou received these document you are not required to take an one that under Chapter 22-6 of the tying documents for a permit to the well at the cation, and the plat have been cumstances) on or before the document of the type of of type of the type of type o	ts is that you have a y action at all.  the West Virginia Copplug and abandon a location described mailed by register ay of mailing or delivery with the west Virginia Copplus and abandon as a location described mailed by register ay of mailing or delivery west Virginia Copplus and	ode, the undersigned well a well with the Chief of the on the attached Applicated or certified mail or delivery to the Chief.  New River Energy Control of the Chief.	operator proposes to file or has filed this Notice and Office of Oil and Gas, West Virginia Department ion and depicted on the attached Form WW-6. Copelivered by hand to the person(s) named above (or proporation	d Application and of Environmenta
The reason However, Take notic accompany Protection the Applic certain circ	n you received these documen you are not required to take an tee that under Chapter 22-6 of the ying documents for a permit to the well at the cation, and the plat have been cumstances) on or before the documentation.	ts is that you have a y action at all.  the West Virginia Copplug and abandon a location described mailed by register ay of mailing or delivery with the west Virginia Copplus and abandon as a location described mailed by register ay of mailing or delivery west Virginia Copplus and	ode, the undersigned well a well with the Chief of the on the attached Applicate ed or certified mail or de ivery to the Chief.  New River Energy Co Designated Agent 8165 Elizabeth Pike	operator proposes to file or has filed this Notice and Office of Oil and Gas, West Virginia Department ion and depicted on the attached Form WW-6. Copelivered by hand to the person(s) named above (or proporation	d Application and of Environmenta of Environmenta oies of this Notice by publication in
Take notic accompany Protection the Applic certain circ	ryou received these document you are not required to take an one that under Chapter 22-6 of the tying documents for a permit to the well at the cation, and the plat have been cumstances) on or before the document of the type of of type of the type of type o	ts is that you have a y action at all.  the West Virginia Co or plug and abandon a le location described mailed by registered ay of mailing or delivery of the west of the wes	ode, the undersigned well a well with the Chief of the on the attached Applicate ed or certified mail or de ivery to the Chief.  New River Energy Co Designated Agent 8165 Elizabeth Pike Elizabeth, WV 26143	operator proposes to file or has filed this Notice and Office of Oil and Gas, West Virginia Department ion and depicted on the attached Form WW-6. Copelivered by hand to the person(s) named above (or proporation	d Application and of Environmentation of this Notice by publication in
The reason However, Take notic accompany Protection the Applic certain circ	ryou received these document you are not required to take an one that under Chapter 22-6 of the tying documents for a permit to the well at the cation, and the plat have been cumstances) on or before the document of the type of of type of the type of type o	ts is that you have a y action at all.  the West Virginia Co or plug and abandon a le location described mailed by registered ay of mailing or delivery of the west of the wes	ode, the undersigned well a well with the Chief of the on the attached Applicate ed or certified mail or de ivery to the Chief.  New River Energy Co Designated Agent 8165 Elizabeth Pike Elizabeth, WV 26143	operator proposes to file or has filed this Notice and Office of Oil and Gas, West Virginia Department ion and depicted on the attached Form WW-6. Copelivered by hand to the person(s) named above (or proporation	d Application and of Environmenta ies of this Notice by publication in
The reason However,  Take notic accompany Protection, the Applic certain circ	ryou received these document you are not required to take an one that under Chapter 22-6 of the tying documents for a permit to the well at the cation, and the plat have been cumstances) on or before the document of the type of of type of the type of type o	ts is that you have a y action at all.  the West Virginia Cooping and abandon a le location described mailed by registere ay of mailing or delivery of the west of	ode, the undersigned well a well with the Chief of the on the attached Applicate ed or certified mail or de ivery to the Chief.  New River Energy Co Designated Agent 8165 Elizabeth Pike Elizabeth, WV 26143	operator proposes to file or has filed this Notice an the Office of Oil and Gas, West Virginia Department ion and depicted on the attached Form WW-6. Copelivered by hand to the person(s) named above (or proporation of the person of Oil and 2015	d Application and of Environmenta sies of this Notice by publication in
The reason However,  Take notic accompany Protection, the Applic certain circ	n you received these documen you are not required to take an tee that under Chapter 22-6 of the ying documents for a permit to the well at the cation, and the plat have been cumstances) on or before the documentances) on or before the documentances of the docum	ts is that you have by action at all.  the West Virginia Corporation at all and abandon is a location described mailed by register ay of mailing or delivery of the corporation of the c	ode, the undersigned well a well with the Chief of the on the attached Applicated or certified mail or delivery to the Chief.  New River Energy Concepts of the Elizabeth Pike Elizabeth, WV 26143 304-275-4446	operator proposes to file or has filed this Notice an the Office of Oil and Gas, West Virginia Department ion and depicted on the attached Form WW-6. Copelivered by hand to the person(s) named above (or proporation of the person of Oil and 2015	d Application and of Environmenta sies of this Notice by publication in
The reason However,  Take notic accompany Protection, the Applic certain circ	n you received these documen you are not required to take an tee that under Chapter 22-6 of the ying documents for a permit to the well at the cation, and the plat have been cumstances) on or before the documentances) on or before the documentances of the docum	ts is that you have by action at all.  the West Virginia Corporation at all and abandon is a location described mailed by register ay of mailing or delivery of the corporation of the c	ode, the undersigned well a well with the Chief of the on the attached Applicated or certified mail or delivery to the Chief.  New River Energy Concepts of the Elizabeth Pike Elizabeth, WV 26143 304-275-4446	operator proposes to file or has filed this Notice and Office of Oil and Gas, West Virginia Department ion and depicted on the attached Form WW-6. Copelivered by hand to the person(s) named above (or proporation of the person of Oil and Office of Oil and	d Application and of Environmentalies of this Notice by publication in
The reason However,  Take notic accompany Protection, the Applic certain circ	or you received these document you are not required to take an ever that under Chapter 22-6 of the ying documents for a permit to the well at the cation, and the plat have been cumstances) on or before the documentances) on or before the documentances of the company PUBLIC of West VIRGINIA CONTROL OF WEST VIRGINIA CONTR	ts is that you have by action at all.  the West Virginia Corporation at all and abandon is a location described mailed by register ay of mailing or delivery of the corporation of the c	ode, the undersigned well a well with the Chief of the on the attached Applicated or certified mail or delivery to the Chief.  New River Energy Concepts of the Elizabeth Pike Elizabeth, WV 26143 304-275-4446	operator proposes to file or has filed this Notice an the Office of Oil and Gas, West Virginia Department ion and depicted on the attached Form WW-6. Copelivered by hand to the person(s) named above (or proporation of the person of Oil and 2015	d Application an of Environmentaties of this Notice by publication i

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of Oil 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 depprivacyoffier wv.gov.

06/19/2015

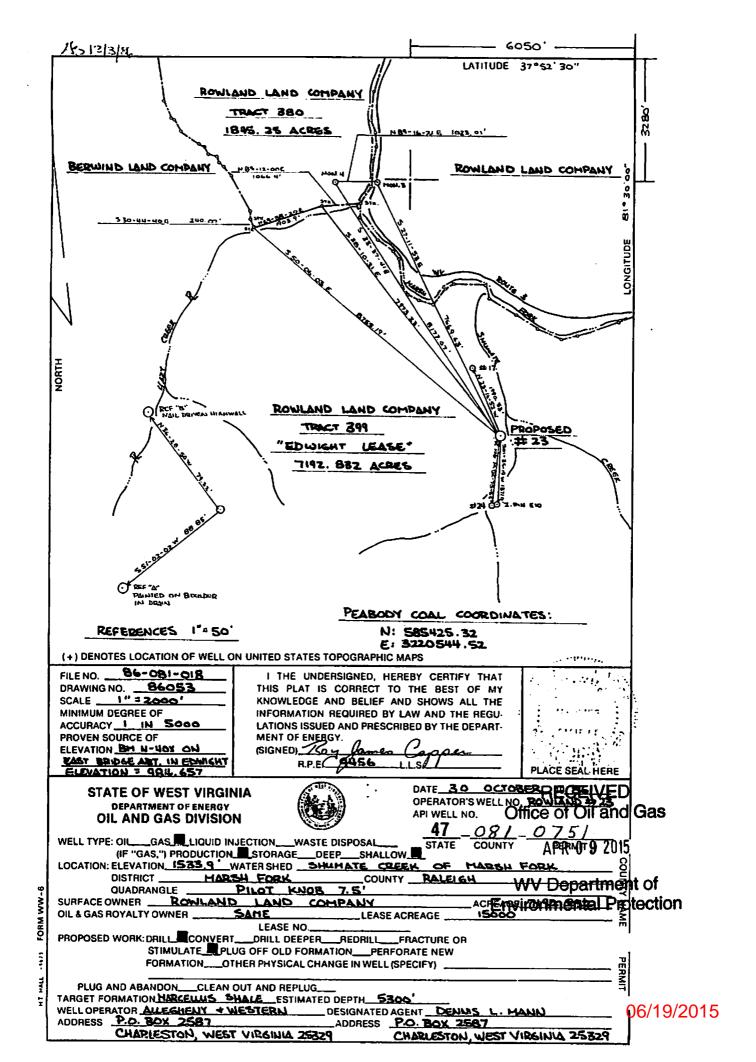
	Page		of		
API Number 47	_ 081	-	00751	P	
Operator's Well	No 131381	Rowla	nd B-23		

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

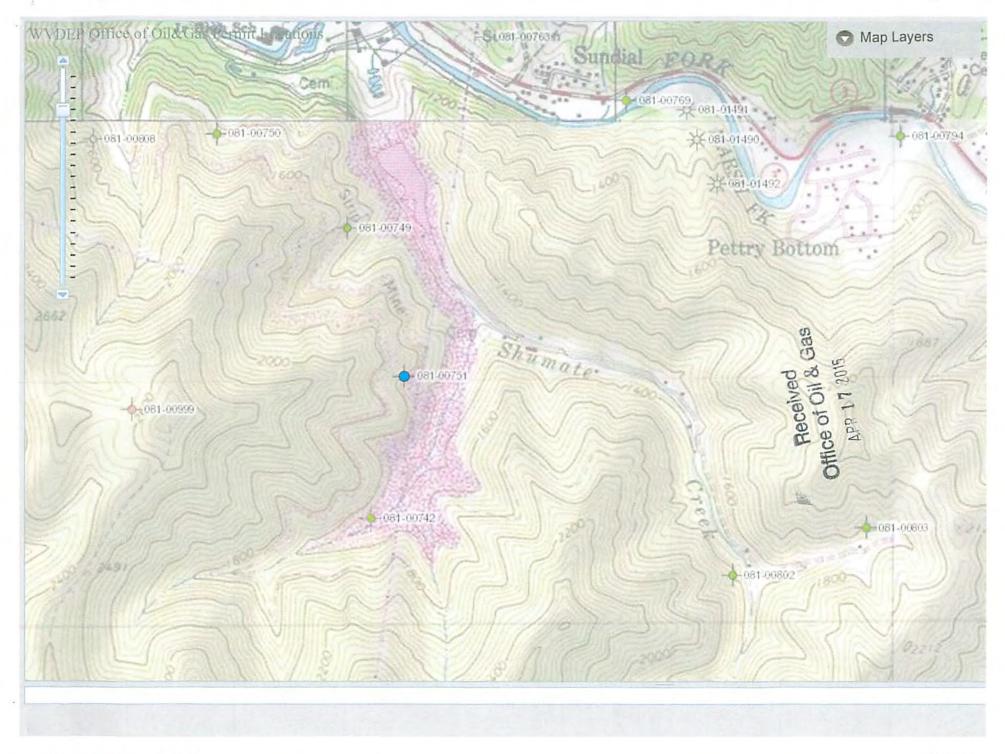
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name New River Energy	Corporation	OP Code 309919
Watershed Marsh Fork	Quadra	angle Pilot Knob 7.5'
Elevation 1555	County Raleigh	District Marsh Fork
Description of anticipated Pit Waste:	luids associated with plug	igging procedures
Will a synthetic liner be used in the pit?	Yes 20mil . July	2
Proposed Disposal Method For Treated I  Land Applica	tion	
	Injection ( UIC Permit Number_	)
Reuse (at AP		(manual la anti-un)
Other (Explai	posal (Supply form WW-9 for dis in	sposal location)
Proposed Work For Which Pit Will Be U		
Drilling		Swabbing
Workover Other (Explai		Plugging
on August 1, 2005, by the Office of Oil a provisions of the permit are enforceable law or regulation can lead to enforcemen I certify under penalty of law application form and all attachments t	and Gas of the West Virginia Departure by law. Violations of any term at action.  that I have personally examined thereto and that, based on my interest the information is true, accurate	of the GENERAL WATER POLLUTION PERMIT is partment of Environmental Protection. I understand the or condition of the general permit and/or other appled and am familiar with the information submitted or inquiry of those individuals immediately responsible tate, and complete. I am aware that there are significant imprisonment.
Company Official Signature	gu L nother	RECEIVED Office of Oil and Gas
Company Official (Typed Name)	er I Whited	
company official (Typed Name)	or E. William	ADD 0 0 7015
Company Official Title Designate	ed Agent	APR 0 9 2015
Company Official Title Designate	ed Agent	WV Department of
Company Official Title Designate	ed Agent	WV Department of
Company Official Title Designate	ed Agent	WV Department of
Company Official Title Designate Subscribed and sworn before me this	ed Agent	WV Department of Environmental Protection, 20_15

		LEGEND
Property Boundary	~~~	Diversion Leather Land Land Land Land
Road = = = = =		Spring -
Existing Fence — X -		Wet Spot
Planned Fence / _	_/_/_	Drain Pipe with size in inches (E)
Stream /7		→ Waterway ← ← ← ← ← ←
Open Ditch ————	·	Cross Drain 7/1/1/1/1/1/1/
Rock \$35882	_	Artificial Filter Strip XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
North N		Pit: cut walls
Buildings		Pit: compacted fill walls
Water wells (W)		Area for Land Application of Pit Waste
Drill site		
Proposed Revegetation Treats	tment: Acres Disturbed 1-	+/- Prevegetation pH 5.8
Lime 3		
	Tons/acre or to correc	
Fertilizer (10-20-20	or equivalent) 1/3 ton	lbs/acre (500 lbs minimum)
Mulch 2		
Mulch_		_Tons/acre
		Seed Mixtures
Are	ea I	
Are Seed Type	ea I Ibs/acre	Seed Mixtures  Area II  Seed Type lbs/acre
Seed Type	lbs/acre	Area II
Seed Type Orchard grass	lbs/acre 15	Area II
	lbs/acre	Area II
Seed Type Orchard grass	lbs/acre 15 5	Area II Seed Type lbs/acre
Seed Type Orchard grass Clover  Attach:	lbs/acre 15 5 .pit and proposed area for la	Area II Seed Type lbs/acre
Seed Type Orchard grass Clover  Attach: Drawing(s) of road, location,	lbs/acre 15 5 .pit and proposed area for la	Area II Seed Type lbs/acre  and application.
Seed Type Orchard grass Clover  Attach: Drawing(s) of road, location,	lbs/acre 15 5  pit and proposed area for laved 7.5' topographic sheet.	Area II Seed Type lbs/acre  and application.
Seed Type Orchard grass Clover  Attach: Drawing(s) of road, location, Photocopied section of involve Plan Approved by:	lbs/acre 15 5  pit and proposed area for laved 7.5' topographic sheet.	Area II Seed Type lbs/acre  and application.  RECEIVED Office of Oil and Gas
Seed Type Orchard grass Clover  Attach: Drawing(s) of road, location, Photocopied section of involve Plan Approved by:	lbs/acre 15 5  pit and proposed area for laved 7.5' topographic sheet.	Area II Seed Type Ibs/acre  and application.  RECEIVED Office of Oil and Gas  APR 0 9 2015
Seed Type Orchard grass Clover  Attach: Drawing(s) of road, location,	lbs/acre 15 5  pit and proposed area for laved 7.5' topographic sheet.	Area II Seed Type lbs/acre  and application.  RECEIVED Office of Oil and Gas



WVDEP Oil&Gas Well Information



http://tagis.dep.wv.gov/oog/



http://tagis.dep.wv.gov/oog/



## West Virginia Department of Environmental Protection Office of Oil and Gas

### WELL LOCATION FORM: GPS

<sub>API:</sub> 47-081-00751 ₽	WELL NO.: 131381 Rowland	B-23
FARM NAME: Rowland L	and Company	
RESPONSIBLE PARTY NAME	New River Energy Corporati	on
COUNTY: Raleigh	DISTRICT: Marsh Fork	
QUADRANGLE: Pilot Kno		
SURFACE OWNER: Rowla	nd Land Company	
ROYALTY OWNER: Rowla	nd Land Company, et al	
UTM GPS NORTHING: 4191		
UTM GPS EASTING: 45421	GPS ELEVATION: 1555	
above well. The Office of Oil and the following requirements:	05 meters :	
Real-	Time Differential	
Mapping Grade GPS X : Po		
4. Letter size copy of the I the undersigned, hereby certify th	al-Time Differential RECEIVED topography map showing Micwell location. Is data is correct to the best of my knowledge and required by law and the regulations issued and Gas.  WV Department Office Manage Vironmod & BAKA	of
Signature	Title Date	