

#### 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 23, 2016

#### WELL WORK PLUGGING PERMIT

#### **Plugging**

This permit, API Well Number: 47-8101270, issued to EXCO RESOURCES (PA), 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 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

Operator's Well No: 3-C-REV

Farm Name: WESTERN POCAHONTAS PROP.

API Well Number: 47-8101270 Permit Type: Plugging

Date Issued: 06/23/2016

## **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.

1) Date	5/1/2016

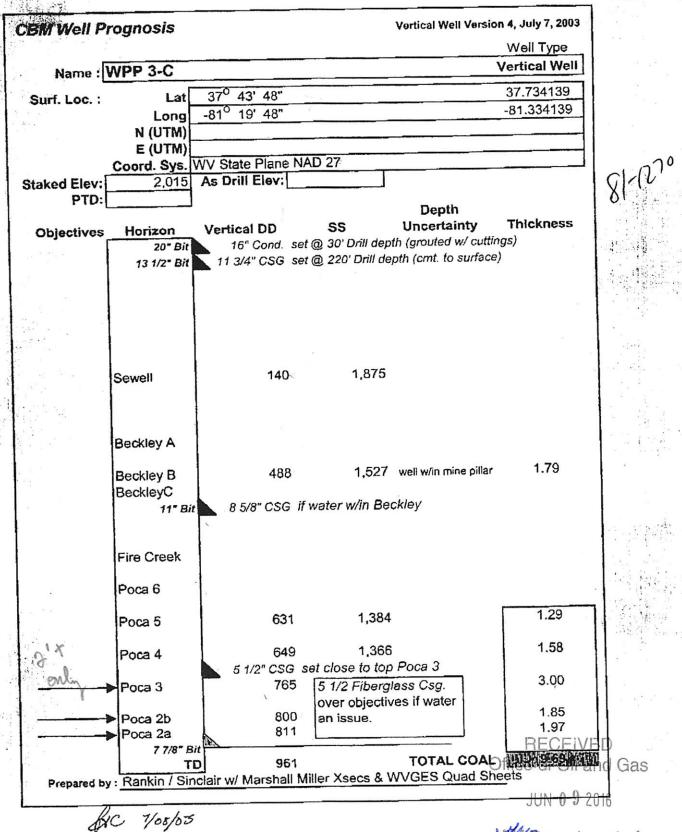
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Rev	2/0	1

2)Oper	rator	S			
Well	No.	WpP	3-C		
API	Well	No.	<u>47</u>	081-01270C	_

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

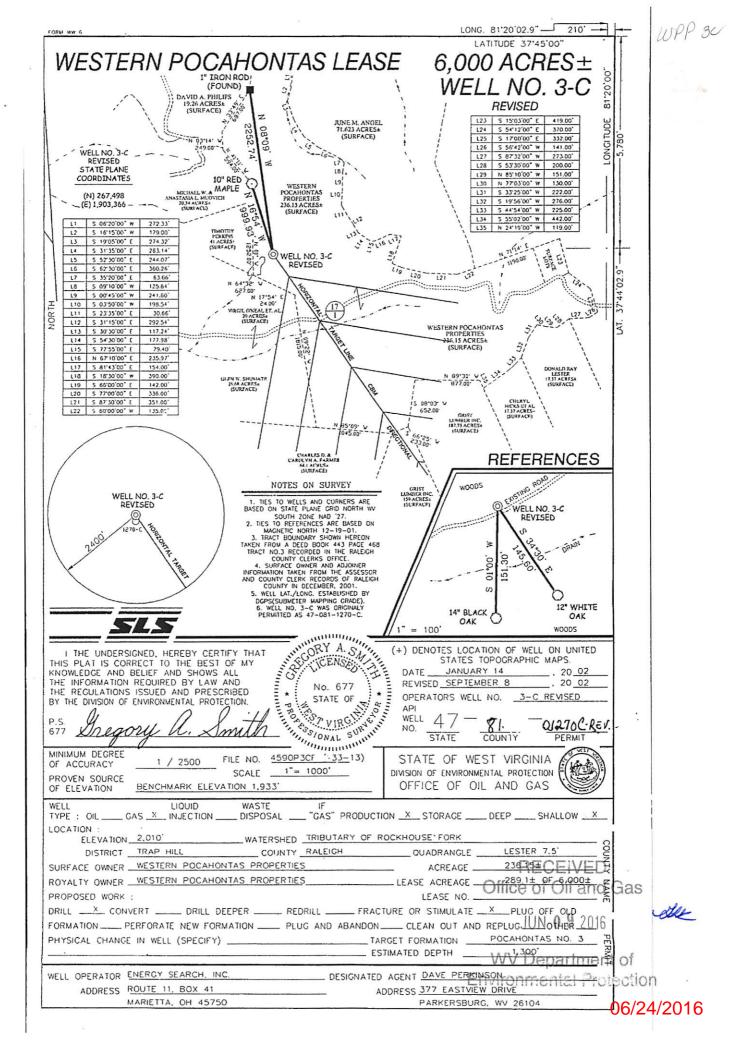
APPLICATION FOR A PERM	IT TO PLUG AND ABANDON
4) Well Type: Oil/ GasX_/ Liquid  (If "Gas, Production X_ or Und	d injection/ Waste disposal/ erground storage) Deep/ Shallow
5) Location: Elevation 2516  District Trap Hill	Watershed Stover Fork  County Releigh Quadrangle Beckley
6) Well Operator EXCO Resources (PA), LLC  Address PO Box 8.  Ravenswood, WV 26164	7) Designated Agent Diana Stampler/C.T.Corp.  Address 5400 D Big Tyler Road  Charleston, WV 25301
Oil and Gas Inspector to be notified  Name GARY KENNEDY  Address Po Box 268, Nimitz WV 25978  PHONE 304 382 8402	9) Plugging Contractor  Name R & R WELL SERVICE  Address 42 LYNCH RIDGE  WALTON, WV 25286
The work order: well is as follows: Check Rock PRESURE Remove all equipment used to produce well	IF WELLWAS DRILLED HORIZONTALLY
Run tubing to TD 976'  Gel hole  Freepoint, cut and pull 51/2  Gel to 50'below cut of 5 ½  NSPECTOR	THEOUGH COME SEAMS, (10. POCAHOUTAS 3),  THEN A CIBP MUST BE SET JUST  ABOVE THAT SEAM AND A 100'  CEMENT PLUC PLACED ON TUP.  IF 51/2' WAS REMENTED TO SURFAR, THEN  GET FROM TOP OF BUTTOM HOLE PLUG TO 287', THEN  SET 100' CIA CEMENT PLUG FROM 287'
Gement 100'across cut Gel to 100' Cement 100'to surface	TO 187'.  GEL TO 100' & SET CIA CEMENT AUG  TO SURFACE.  RECEIVED
Set Monument with proper API	Office of Oil and Gas  JUN 0 9 2016  DATE- VALTAGESTEEMENT OF

Environmental Protection

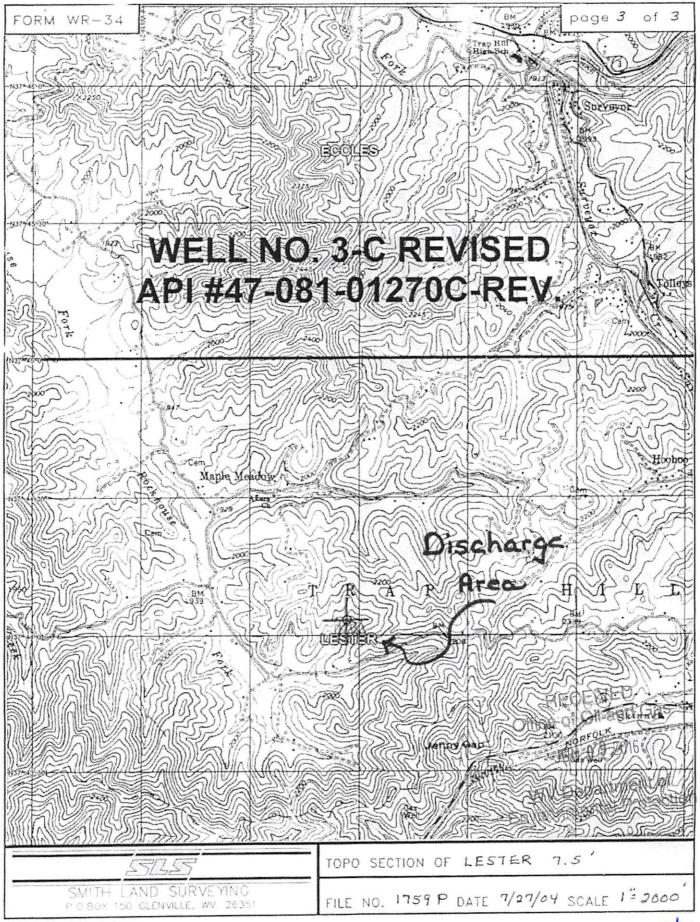


WPP 3-C Vertical Well Prognosis\_Final

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06/24/2016

WR-35 Rev (5-01)

DATE: 5/10/2006 API#: 47-8101270

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

#### Well Operator's Report of Well Work

Farm name: Western Pocahontas Properties	Oper	rator Well No.:	3-C	
LOCATION: Elevation: 2010 GL Quadrangle: Lester 7.5'				
District: Trap Hill		ounty: Rale		
Latitude: 5780 Feet South of 37	Deg	45 Min	00 Sec	
Longitude 210 Feet West of	81 Deg	20 M	in 00	Sec.
Company: Energy Search, Inc.				
88 Products Lane	Casing &	Used in	Left in well	Cement fill
Marietta, Ohio 45750	Tubing	drilling	340000 000000000 0000000000000000000000	up Cu. Ft.
Address:				
	16"	.25,	25'	
Agent: Michael McCown				
Inspector:	1-1 3/4"	237'	237'	150 sks
Date Permit Issued: 5/16/2002	11 /4	251	237	150 585
Date Well Work Commenced: 7/14/2003	5 ½"	926'	926'	250 sks
	3 /2	720	720	230 383
Date Well Work Completed: 7/29/2003		-		
Verbal Plugging:	- 0	-		N
Date Permission granted on:				
Rotary XX Cable Rig				
Total Depth (feet): 975'				
Fresh Water Depth (ft.): 2" strm 42-46ft				
Salt Water Depth (ft.):		•		
				, , , , , , , , , , , , , , , , , , ,
Is coal being mined in area (N/Y)?				
Coal Depths (ft.): 149-152; 410-420;	- 25			
465-470				*
				2
OPEN FLOW DATA				
Producing formation None - to be pl	ugged	Pay zone d	lepth (ft)	
Gas: Initial open flowMCF/d Oil:	Initial open f	low F	3bl/d	
Final open flow MCE/d F	inal open flox	v B	hl/d	
Final open flow MCF/d F Time of open flow between initial and f	mai open nov	Нош	01/ <b>u</b>	er e compet
Chairman la Danassa de la Chairman and i	mar tests		5	
Static rock Pressurepsig (surfac	e pressure) a	iterHo	urs	*
Second producing formation		ne depth (ft)_	*	78
•	Initial open f		3b1/d	
Final open flow MCF/d F	inal open flov	vB	bl/d	
Time of open flow between initial and f	final tests .	Hour	'S	des
	e pressure) at		urs	
	- F,			
NOTE: ON BACK OF THIS FORM PUT THE I	FOLLOWING:	1). DETAILS	OF PERFORAT	BDEIVED
INTERVALS, FRACTURING OR STIMULATIN				
LOG WHICH IS A SYSTEMATIC DETAILED				
INCLUDING COAL ENCOUNTERED BY THE	WELLBORE.		Ĭ.	Office of Chief
11/10	N		A l	IN U J ZUID
Signed:	Res		1	MAY 1 2 2006
By: Kent C. Stewart			1441	longratment of
Date: 5/10/2006		E - NCSS NV SECTION (FOR EASING A SECTION	$$ $\forall \lor \downarrow$	epartment of
	THE STATE OF THE S		Environ	Environmental Protection

W-4A	
Revised	6-07

1) Date:	5/1/2016		
	or's Well Number er Coal Wpp 3-C		
3) API We	ll No.: 47 -	081-01270C	

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

4)	Surface Owne		oal Operator	
	(a) Name	Western Pocahontas Properties LP	Name	Beaver Coal co
	Address	5260 Irwin Rd Hungtington, WV 25705	Address	115 1/2 Kanawha St Beckley, WV 25801
	(b) Name Address		(b) Coal Own Name Address P.O.	ner(s) with Declaration Beaver Coal Co LTD
	(c) Name Address		Address	
	nspector Address Telephone	Gary Kennedy P.O. Box 268 Nimitz, WV 25978 Ph. (304) 382 8402	(c) Coal Less Name Address	see with Declaration
	relephone		J	

#### TO THE PERSONS NAMED ABOVE: 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 plat (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 reverses 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 this 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 registered 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 Chie

Official Seal Notary Public, State of West Virginia Kathryn Shafer 4427 Charleston Road Ripley WV 25271	Well Operator By: Its: Address	EXCO RESOURCES (PA), LLO Randall Sheets Condall & POBOX 8 RAVENSWOOD, WV 26164	REGEIVED Office of Oil and 6
My Commission Expires May 9, 2024	Telephone	304-273-5371	JUN 0 9 2016

Subscribed and sworn before me this Environmental Protection

My Commission Expires

#### Oil and Gas Privacy Notice

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 depprivacyoffier@wv.gov.

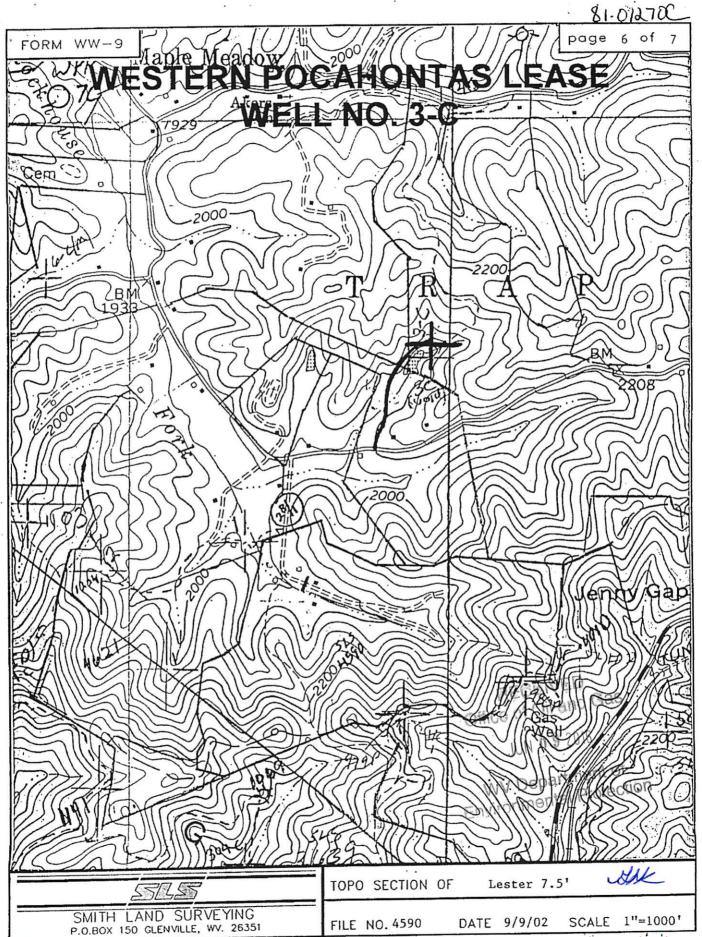
WW-9 (5/13)

	Page	of
API Number 47 -	081 -	01270C
Operator's Well	No. W	PP 3C

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

#### FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name ÉXCO Resources (PA), LLC OP Code 307860	-
Vatershed (HUC 10) Trib. Of Rockhouse Quadrangle Lester 7.5 Fork	
Clevation 2010 County Releigh District Trap Hill	
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No	
Vill a pit be used for drill cuttings? Yes No	
If so, please describe anticipated pit waste:	
Will a synthetic liner be used in the pit? Yes No If so, what ml.?	
Proposed Disposal Method For Treated Pit Wastes:  ANY WELL EFFLUENT MUST	BE
Land Application  Underground Injection (UIC Permit Number  Reuse (at API Number  Off Site Disposal (Supply form WW-9 for disposal location)  Other (Explain no filluids are expected in return	)
Will closed loop system be used?	_
Orilling medium anticipated for this well? Air, freshwater, oil based, etc	
-If oil based, what type? Synthetic, petroleum, etc	_
Additives to be used in drilling medium?	
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc	
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)	
-Landfill or offsite name/permit number?	
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERM on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understan provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other a 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 submitte application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsibiliting the information, I believe that the information is true, accurate, and complete.  Jun 0 9 2016	d that the pplicable d on this isible for
Company Official Signature Company	-
Company Official (Typed Name) Randall Sheets  WV Department of	ion
Company Official Title Software Environmental Proteon	
Subscribed and sworn before me this	
Notary Public Official Seal Notary Public Notary Public, State of We Kathryn Shafer	
My commission expires 4427 Charleston R Ripley 652	oad





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

### **WELL LOCATION FORM: GPS**

<sub>API:</sub> 47 081 01270 C	WELL NO.: WPP 3C
FARM NAME: Western Pocahonta	·····
RESPONSIBLE PARTY NAME: EXCOR	desources (PA), LLC
	DISTRICT: Trap Hill
QUADRANGLE: Lester 7.5	
SURFACE OWNER: Western Pocaho	ontas Properties
ROYALTY OWNER: Western Pocah	ontas Properties
UTM GPS NORTHING: 4176340.2	
UTM GPS EASTING: 470579.8	GPS ELEVATION: 2010
The Responsible Party named above has chosen to preparing a new well location plat for a plugging pabove well. The Office of Oil and Gas will not accept the following requirements:  1. Datum: NAD 1983, Zone: 17 North, Conheight above mean sea level (MSL) – material 2. Accuracy to Datum – 3.05 meters  3. Data Collection Method:  Survey grade GPS: Post Processed Differ	ermit or assigned API number on the ept GPS coordinates that do not meet cordinate Units: meters, Altitude: neters.
Real-Time Differentia	<del></del>
Mapping Grade GPS X: Post Processed Difference Real-Time Real-Time Difference Real-Time Rea	
4. Letter size copy of the topography made I the undersigned, hereby certify this data is correct belief and shows all the information required by law prescribed by the Office of Oil and Gas.  Signature  T	t to the hest of my knowledge and