

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

July 20, 2016

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8101003, 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.

Operator's Well No: NEW BEAVER 26-C

Farm Name: BEAVER COAL COMPANY

API Well Number: 47-8101003 Permit Type: Plugging

Date Issued: 07/20/2016

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 within two years of the date of issuance of this permit.

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Rev. 2/01

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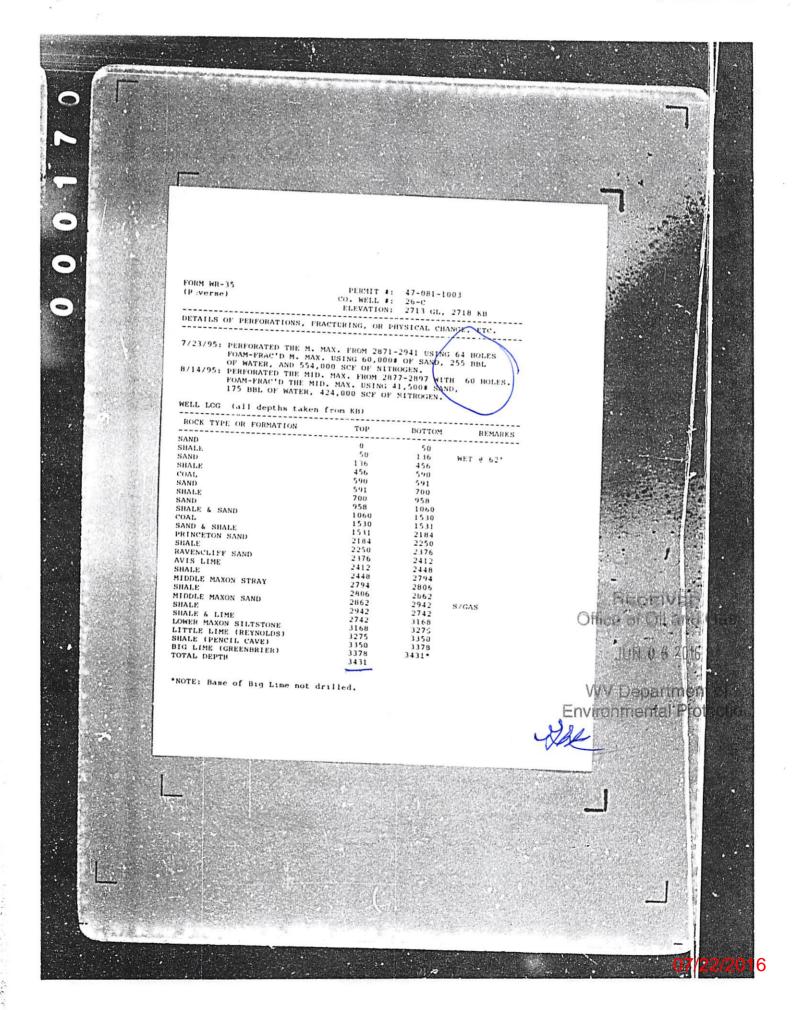
2) Operator's Well No. New Beaver 26-c 3)API Well No. 47- 81 - 01003

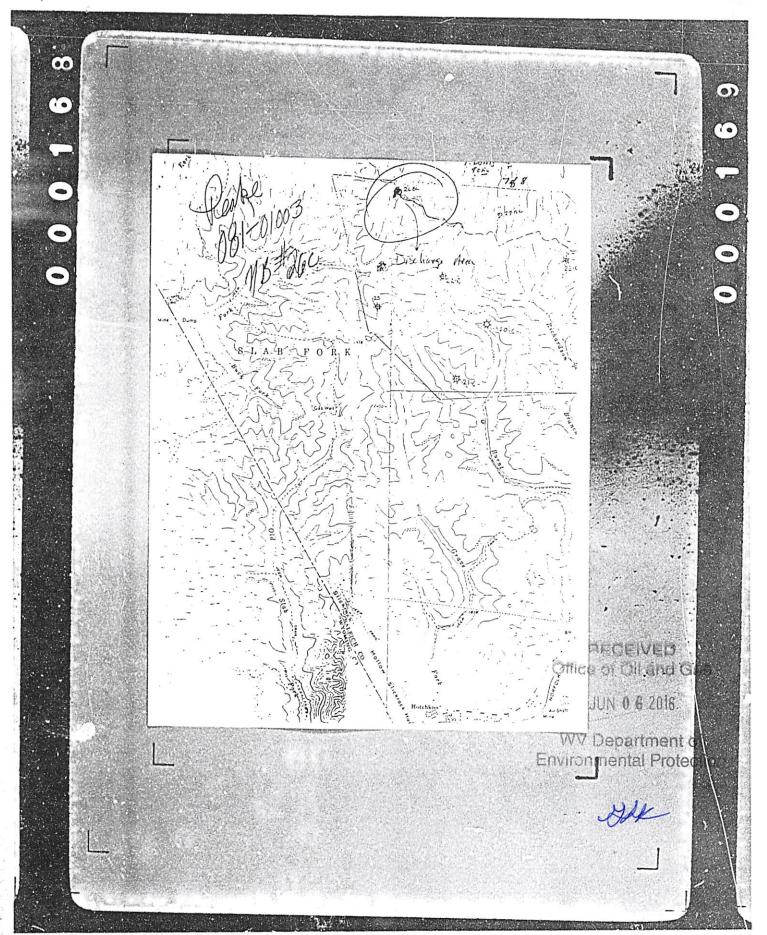
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

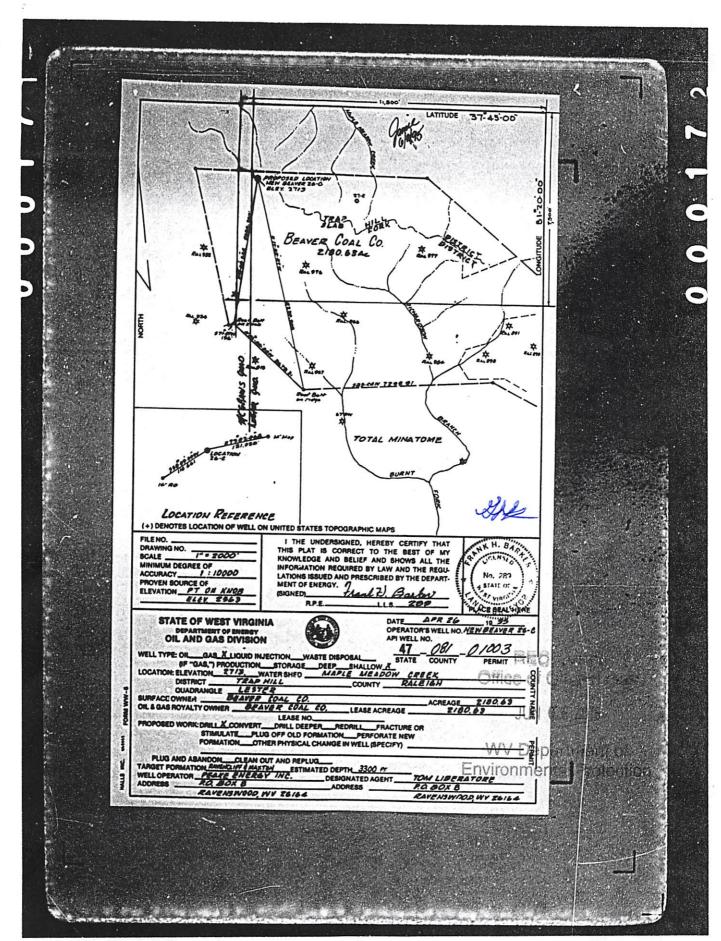
	APPLICATION FOR A PERM	AIT TO PLUG AND ABANDON
4)	Well Type: Oil/ Gas X _/ Liqui (If "Gas, Production _X or Unc	d injection/ Waste disposal/ derground storage) Deep/ Shallow
5)	Location: Elevation 2713	Watershed Maple Meadow Creek
	District Trap Hill	County_Releigh Quadrangle Lester
6)	Well Operator EXCO Resources (PA), LLC	7) Designated Agent Diana Stampler/C.T.Corp.
	Address PO Box 8.	Address 5400 D Big Tyler Road
	Ravenswood, WV 26164	Charleston, WV 25301
	Oil and Gas Inspector to be notified	9) Plugging Contractor
	Name GARY KENNEDY	Name R & R WELL SERVICE
	Address PO Box 268, Nimitz WV 25978	Address 42 LYNCH RIDGE
	PHONE 304 382 8402	WALTON, WV 25286
10)	Work Order: The work order for the manner Remove all equipment used to produce well Run in tubing into TD @ +/-3431 Gel hole Set cement plug +/-3431 to 2700 across all potential form Gel +/- 2700 to 2500 Set cement plug +/-2500 to 2050 into bottom of 7"csg FREE POINT, COT 1 Ref Gel =/-2050 to 1270 Cement +/-1270 to 900 Gel to +/- 900 to 600 Cement +/-600 to 500 Gel to +/-500 to 200,	rec point 4" nations wo c 4 HAS & CHECK CEMENT TOP, ADD CEMENT IF NEEDED.
	Cement 200' to surface, erect monument with API Gel between all plugs	Ste
SIGN	ATURE Radall Dellis	DATE- 5/24/16

07/22/2016

State of W		01-Jun-9 API # 47-81-0			A
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081-01003

WW-4A Revised 6-07

1)	Date:	5/1/2016	
2)	Operator	r's Well Number	
	New Be	eaver 26-C	

STATE OF WEST VIRGINIA

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

3) API Well No.: 47 -

		NOTICE OF	APPLICATIO	N TO PLUG ANI	D ABANDON A WELL
4)	Surface Owne (a) Name	er(s) to be served: Beaver Coal Co.	5) ((a) Coal Operator Name	Beaver Coal Co.
	Address	115 1/2. Kanawha S	T., Beckley 2580	Address	115 1/2 Kanawha St., Beckley WV 25801
	(b) Name Address			(b) Coal Own Name Address	ner(s) with Declaration
	(c) Name Address			Address	
	Addresss Telephone	Gary Kennedy P.O. Box 268 Nimitz, WV 259 Ph. (304) 382 84		Name Address	
T	THE PER	SONS NAMEI	ABOVE: You	u should have receiv	ved this Form and the following documents:
	well its (2) The pla The reason y However, you Take notice t accompanyin Protection, w the Applicati	s and the plugging work at (surveyor's map) show ou received these document are not required to take an that under Chapter 22-6 of g documents for a permit to	torder; and wing the well location at sis that you have rightly action at all. the West Virginia Coop plug and abandon a lee location described on mailed by registered lay of mailing or deliver	on on Form WW-6. ghts regarding the applicate, the undersigned well of well with the Chief of the on the attached Application or certified mail or delivery to the Chie	perator proposes to file or has filed this Notice and Application and coffice of Oil and Gas, Wei Virginia Department of Environmental on and depicted on the attached form WW-6. Copies of this Notice, ivered by hand to the person(s) named above (of by publication in
			Well Operator By: Its: Address	Randall Sheets S-forms - POBOX 8 RAVENSWOOD 304-273-5371	
Su	bscribed and s	worn before me this	s 2479 d	ay of May	Notary Public
M ₂	y Commission l and Gas Privac	Expires Line 11, 1418 y Notice	NEST DE LA CONTRACTION DE LA C	OFFICIAL SEAL NOTARY PUBL	LIC)
Th reg	e Office of Oil ar gulatory duties. siness or as need	Your personal informed to comply with strictly secure your pe	nati n nav be us atu ory	STATE OF WEST VIR PRIJECT WAS TEPHA Closed to That Box 1911 TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL WY COMMISSION EXPIRE JUN	BOCKES and phone number, as a part of our A agencies or third parties in the normal course of

information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov.

WW-9
(2/15)

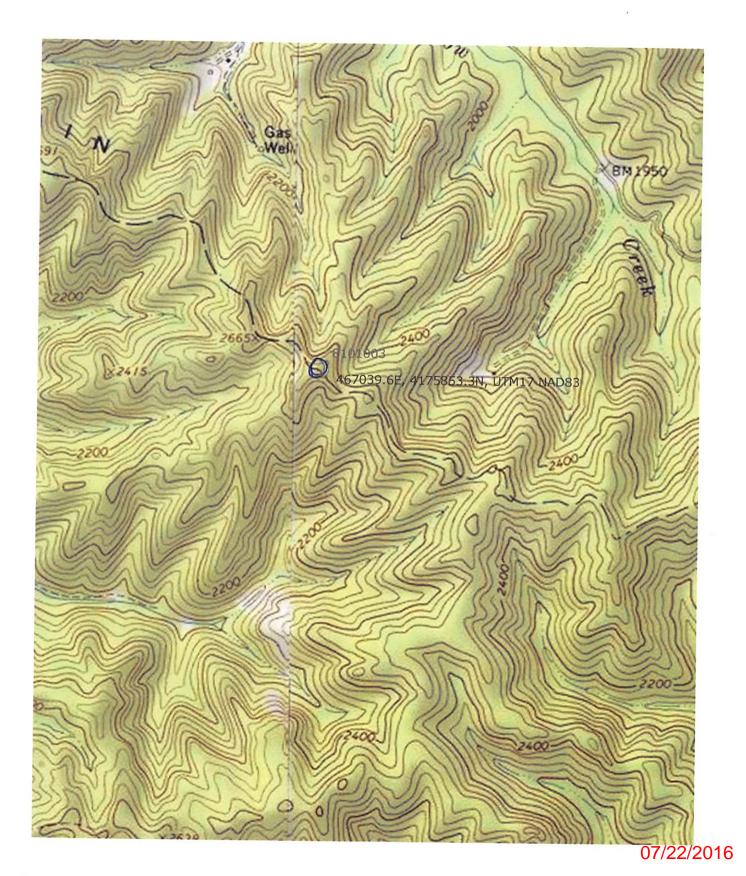
API Number 47 -	081		01003	
Operator's	Well No.	New	Beaver 26C	

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

FLUIDS/CUTTINGS DISPOSAL & RECLAMATION PLAN
Operator Name_EXCO Resources (PA), LLC OP Code 307860
Watershed (HUC 10) Maple Meadow Creek Quadrangle Lester Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No
Will a pit be used? Yes No X
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:
Land Application Underground Injection (UIC Permit Number) Reuse (at API Number) Off Site Disposal (Supply form WW-9 for disposal location) X Other (Explain Any fluids will be collected in a tank and Hauled
Will closed loop system be used? If so, describe:
Drilling medium anticipated for this well (vertical and horizontal)? 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?
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed. Office of Oil and Gas
I certify that I understand and agree to the terms and conditions of the GENERAL WATER ROLL WATER R
Company Official Signature Rendered Sluts
Company Official (Typed Name) RANDALL SHEETS
Company Official Title
Subscribed and sworn before me this 147 h day of may , 2016 Notary Public State of West Virginia JERRY M. TEPHABOCK STATE OF WEST VIRGINIA JERRY M. TEPHABOCK

Form WW-9		Operator's We	II No.New Beaver #26c
Proposed Revegetation Trea	tment: Acres Disturbe	Prevegetation pH	6.0
	s per Acre of correct to 6.5 or equivalent)	500lbs/acre (500 lbs minimum)	
Mulch	2 T	ons/acre	
	5	Seed Mixtures	
An Seed Type	rea I lbs/acre	Area Seed Type	II lbs/acre
KENTUCKY FESCUE	40	SAME AS #1	
ALSIKE CLOVER	5		
ANNUAL RYE	16		
Plan Approved by:	Huy Kerus	4	
Comments:			
			RECEIVED Office of Oil and Ga
			JUN 0 6 2016
		E	WV Department of invironmental Protection
Title: Twspecto Field Reviewed? (O Yes (Date:) No	

8101003P



WW-7 8-30-06



West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

WELL LOCATION	TORM. GIS
_{API:} 47 081 01003	well No.: Welchland 26C
FARM NAME: Beacer Coal	
RESPONSIBLE PARTY NAME: EXCO	Resources, (PA), LLC
COUNTY: Releigh	_ _{DISTRICT:} Trap Hill
QUADRANGLE: Lester	
SURFACE OWNER: Beaver Coal C	ompany
ROYALTY OWNER: Beaver Coal C	Company
ROYALTY OWNER: Beaver Coal Cuth GPS NORTHING: 4196557.0	475853.3
UTM GPS EASTING: 457150.0 4676	GPS ELEVATION: 2712
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 Diff	Coordinate Units: meters, Altitude oil and Gas-meters. JUN 0 6 2016
Real-Time Differe	ntial Environmental Proteotion
Mapping Grade GPS X : Post Processed	
Real-Time Diff	
4. 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. Signature	rect to the best of my knowledge and