

## 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

May 23, 2014

### WELL WORK PLUGGING PERMIT

## Plugging

This permit, API Well Number: 47-3500574, 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: SIV-5 ASHCRAFT 3

Farm Name: ANKRUM, CHARLES & LINDA

API Well Number: 47-3500574

Permit Type: Plugging Date Issued: 05/23/2014

Promoting a healthy environment.

## 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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

#### **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.

1) Date January 15	, 2014
2) Operator's	
Well No. SIV5	
3) API Well No. 4	7 - 035 - 000574

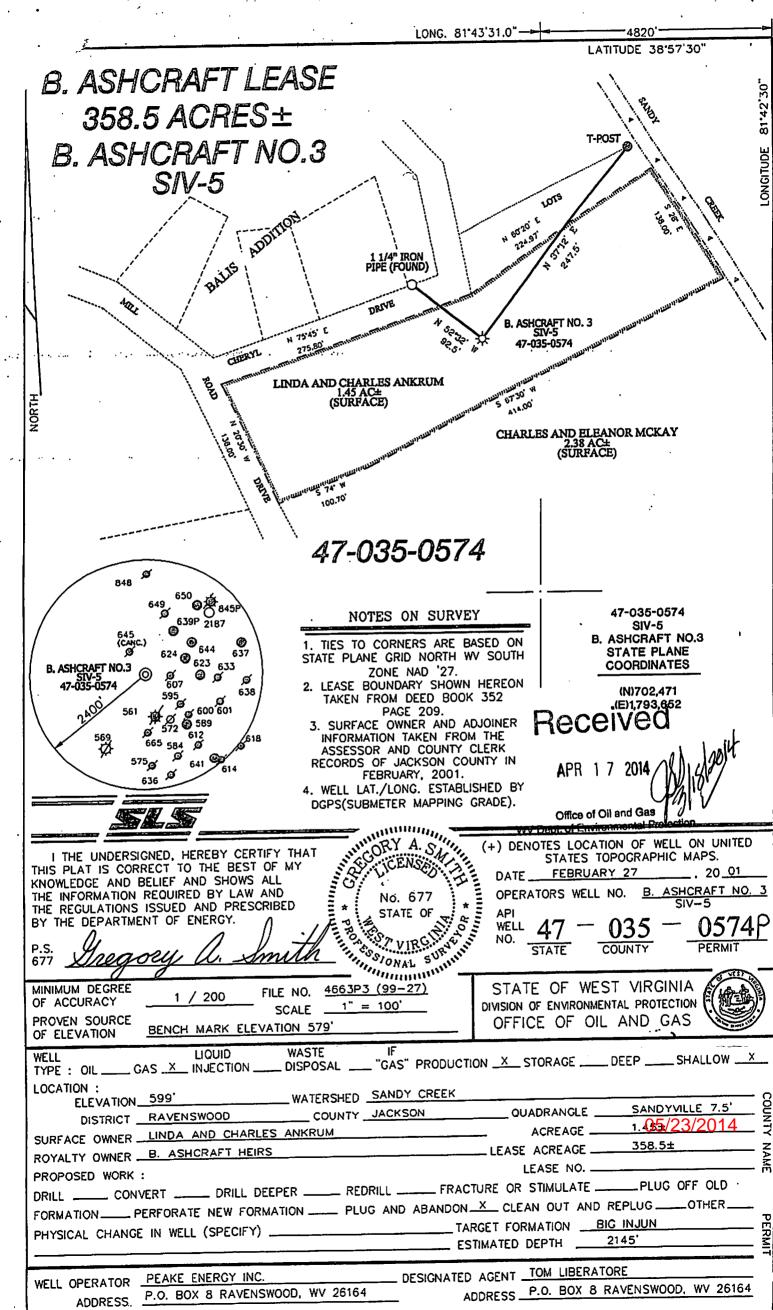
(V		OIL AND GAS MIT TO PLUG AND ABANDON
)		d injection/ Waste disposal/
		derground storage) Deep/ Shallow_X_
5)	Location: Elevation 597'	Watershed Sandy Creek
	District Ravenswood	County Jackson Quadrangle Ripley/Sandyville 7.5
6)	Well Operator EXCO Resources (PA), LLC	7) Designated Agent Diana Stamper/C.T. Corp Systems
	Address PO Box 8	Address 5400 D Big Tyler Road
	Ravenswood, WV 26164	Charleston, WV 25301
8)	Oil and Gas Inspector to be notified	9) Plugging Contractor
	Name Jamie Stephens Stevens	Name
	105 Kantuck Pood	
	Address 105 Kentuck Road	Address
0)	Kenna, WV 25248	Address
2. I 3. I 4. 5. 6. 7. 8.	Kenna, WV 25248  Work Order: The work order for the man sooh rods & tubing RIH check TD @ + or - 2100' RIH tbg to 2100' - load hole of 6% gelled water - spot 100' WOC 8 hours RIH tag toc @ 2000' - if necessary add additional class A pooh tbg RIH freepoint and cut 7" casing est 1800' pooh 7' casing RIH tubing to casing cut - spot 100' plug of class A cement	plug of class A cement 2100'- 2000'- pooh tog  cement to get TOC to 2000'  The plug of class A cement 2100'- 2000'- pooh tog  cement to get TOC to 2000'  The plant of the pla
1. µ 2. µ 3. µ 4. 5. 6. 7. 8. 9. 10	Kenna, WV 25248  Work Order: The work order for the man sooh rods & tubing RIH check TD @ + or - 2100' RIH tbg to 2100' - load hole of 6% gelled water - spot 100' WOC 8 hours  RIH tag toc @ 2000' - if necessary add additional class A pooh tbg  RIH freepoint and cut 7" casing est 1800' pooh 7' casing RIH tubing to casing cut - spot 100' plug of class A cement pooh tubing to 1050', spot 100' plug of class A cement 3. Spot 100' plug of class A cement 3. RIH tag up and pooh 163' of 13 3/8' casing. RIH	plug of class A cement 2100' - 2000' - pooh tog  cement to get TOC to 2000'  The plug of class A cement 2100' - 2000' - pooh tog  cement to get TOC to 2000'  The plug of class A cement 2100' - 2000' - pooh tog  The plug of class A cement 2100' - pooh tog  The plug of class A cement 2100' - pooh tog  The plug of class A cement 2100' - pooh tog  The plug of class A cement 2100' - pooh tog  The plug of class A cement 2100' - pooh tog  The plug of class A
1. µ 2. µ 3. µ 4. 5. 6. 7. 8. 9. 10	Kenna, WV 25248  Work Order: The work order for the man sooh rods & tubing RIH check TD @ + or - 2100' RIH tbg to 2100' - load hole of 6% gelled water - spot 100' WOC 8 hours  RIH tag toc @ 2000' - if necessary add additional class A pooh tbg  RIH freepoint and cut 7" casing est 1800' pooh 7' casing RIH tubing to casing cut - spot 100' plug of class A cement pooh tubing to 1050', spot 100' plug of class A cement 280'-280' -	plug of class A cement 2100' - 2000' - pooh tbg  cement to get TOC to 2000'  The plug of class A cement 2100' - 2000' - pooh tbg  cement to get TOC to 2000'  The plug of class A cement 2100' - 2000' - pooh tbg  to asing cut  A cement 1050' - 950' - pooh tbg to 380'  - pooh tbg  tbg to 200'  tbg to 200'

work can commence.

Work order approved by inspector

05/23/2014

Company   Company   Company   Company   Company   Company   Address   Company   Address   Company   Comp	P	- 105-161. ·	-(AA), LIC, -	Rosserus	CALA	1 6	3/.18/, 2014	
Company	- West	1000 17	-5 APT NY103	SIMO SIA	1201	0	9,19,1, 201	
Columbian Europe   Columbian E	GNIDONO	011 III 4	0 111-11-	el 110. sec	asse	574	cornet Ho. Jee	
Company	112110	CARING :	•				hiplay Charle	
### Address	1115 Samo	to		The second secon				
		1.3 3/0 32. 2011					4	
Delta   Delt		104 1011 1111 111					the state of the s	
District   Barnemond   Juckson County   2 you	110 Samo	7 29# 110 Se	507 7 C 1597	oy Greek	Sano			
Blancho Asheratt et al., Ravenavoed, W.Va.	3715 Samo		volegor County	14-200 PTO	Buyn		1307 Sec. 1425 Sept.	*
Mineral   Mine		5 101 3/-	ft et al. Ravensyao	ncho Auher:	Blan		A CONTRACTOR OF THE PROPERTY O	
Commenced   21-21-77   Completed   21-21-77   Completed   21-21-48   Completed   21-21-48   Completed   21-21-48   Completed   21-21-48   Completed	anding cago	11.17	It at al. ( for fur	ncho Asher	Blan		TO SECURE OF A LANGE	
Commonced   22-9-48   Depth 20:01   Six   Prophysical   Depth 20:01   Six   Depth 20:01   Depth 20:01   Six   Depth 20:01   De	Tuckor	Midgot B 20000						
Date shot		111 11 11 11	A state and a second				Commenced	
Date shot	2-11	Dopth 1804 Sam					Completed	
Ohnormal   Control   Con							Data shot	
Proc.   Nator   100-315  145  6 blrs.   Art.   Salt Water   100  H.F.; 1100 H.F.; 1145  H.F.		Coal at Ac	n - 200/f	h 5" goluti	with		015	
Salt Water		dully.	e blue / but	ang apparox	1/11/12			ÿ
Cley								
Send   100			oo nerst ware mene	O. Here's T	1	1.00	DILLO MULOCA	
Send   100				20			1	
Send   100	7977	812 DLM-197-2812	· Slate & Sholls 1	85	. 0		Clav	
Send	**	41 **						
Rive State	1 4	2/12					Tall of the Company of the	0
Sind Rock		F.A				8.		٠
Red Rock   200   206	~ -	2				4		
Blue Slate   206   226   256   Commit record:   1-1-48   102"   cqsing-not quagalled-   Co.c., co.c.   Co.c., co.c., co.c.   Co.c., co.c., co.c.   Co.c., co.c.   Co.c., co.c.   Co.c., co.c., co.c., co.c.   Co.c., co.c., co.c., co.c., co.c., co.c., co.c., co.c., co.c.,		0	Total Dopth					
Rod Rock   226   256   1-1-49   102   casing - not quasination   General Hale   256   293   324	-1.77		7			1		
Red Rock	agollod-	ing- not quagelled-	1-1-48 103" cas			14		
Red Rock	1	. 1	C.C.Co.Crow		•			1
Blue Siate   324   340   1-12-26 8 5/8"   casing   rm in the state   1405   405   405   405   406   405   406   405   406	· hage	at bage	The state of the s				The state of the s	
Sand Pittsburgh	o Grow	asing- ran ar page	1-12-48 8 5/8" (		324			
Blue Slate	/	S Oaks Cecestan	aquagel - return			h		
Rod Rock	olled.	- not noungolled.	2.9.48 VII cacine					
Blue Slate 445 475 525 535	4 A.	4 24	C.C.Co.Crov					,
Sand	* ** *** **** ** **	The second of the second	0.0.00002011		17.00			
Divo Slato   525   535   535   800   Rock   535   582   Blue Slate   562   600   525   600   525   600   525   600   525   600   525   600   525   600   610   623   635   610   623   635   625   6	4.	• •	1 .					
Red Rock   535   502     Blue State   562   600     Sand   600   610     Waito State   610   623     Red Rock   623   635     Blue State   623   635     Blue State   715   720     Gray Sand   720   732     Blue State   742   755     State & Shells   755   650     Red Rock   742   755     State & Shells   755   650     Red Rock   742   755     State & Shells   660   667     Gray Sand   067   955     State & Shells   060   867     Gray Sand   067   955     State & Shells   990   1045     State & Shells   990   1045     State & Shells   1100   1137     State & Shells   1170   1305     State & Shells   1170   1305     State & Shells   1170   1305     State & Shells   1470   1495     Break   1493   1497     Little Lima   1497   1515     Fonell Cave   1515   1518     Bit Lima   1655   1600     Blue State   1705   1795     State   1795   1800     State   1800   1								
Sand   600   610   610   610   6110   6110   623   635   6				582				
White State	10.0						Blue Slate	
Red Rock								
### Black Slate	3	J41 V						
Black Slate						= 0		
Blue Slate   732   742   755   Red Rock   742   755   850   Red Rock   795   850   860   867   868   867   868   867   868   867   868   867   868   867   868   867   868   867   868   868   867   868   868   867   868	•							
Blue Slate   732   742   755   Red Rock   742   755   850   Red Rock   795   850   860   867   868   867   868   867   868   867   868   867   868   867   868   867   868   867   868   868   867   868   868   867   868			210.4					
Red Rock	noived	Doggiva	571					
Red Rock	ceived	Heceive	15.0					
State & Shells			-1	• • • • • • • • • • • • • • • • • • • •		*		ď
State & Shells	R 1 7 2014	APR 1 7 2014	a a					
Shate   Sholls   Sholls   Sholls   Shate   Sh								
Sand 960 990   1045   Shate & Sholls 990   1045   Salt Sand   1045   1100   011 1045-501   show     Shate & Shells   1100   1137   1170   1305   1360   1160   1350   1470   1350   1470   1495   1497   1411   1100   1495   1497   1411   1100   1495   1497   1411   1100   1497   1411   1100   1497   1411   1100   1497   1411   1100   1497   1411   1100   1497   1411   1100   1497   1411   1100   1497   1411   1100   1497   1411   1100   1497   1411   1100   1497   1411	e of Oil and Gas	Office of Oll and Gas						
Slate & Sholls 990 1045 Salt Sand 1045 1100 011 1045-50' show  Slate lilb'DLM-1111 SLM 1100 1137 Gray Sand 1137 1170 Slate & Shells 1170 1305 Black Slate 1305 1350 Limo 1350 1470 Eaxon Sand 1470 1495 Broak 1495 1497 Little Lime 1497 1515 Ponell Cave 1515 1510 Big Lime 1510 1655 Tajun Sand 1655 1600 Blue Slate 1705 1795 Slate 1795 1000 Lime Gaella 1000 1010	Environmental Protection	WV Dept_of Environmental P	. 4					
Salt Sand 1045 1108 011 1045-501 show Shato 1118 DLM-1111 SLM 1100 1137 Stray Sand 1137 1170 1305 Black Shells 1170 1305 1350 Limo 1350 1470 1495 05/23/20 Eaxon Sand 1470 1495 05/23/20 Eroak 1495 1497 1515 Poncil Cavo 1515 1518 1655 Injun Sand 1655 1660 Bluo Slato 1600 1705 Sand 1705 1795 1000 Limo Sand 1795 1000 1810		/						
Shate lile DLM-Lill SLM   1103   1137   1170   1305   1160   1170   1305   1360   1160   1360   1470   1360   1470   1495   1490   1495   1497   1495   1497		w/ ·	011 1045-501 ah					
Shate & Shells						-1111 SLA	Slato 1118'DLM	
Black State   1305   1350   1470   1450   1470   1495   1497   1450   1497   1451   1497   1515   1518								
Limb			- 2"					
Enval Sand 1470 1495		1				10		
Broak	05/23/2017	05/2						
Iditio Limo	00/20/2019	00/20						
Foncil Cavo 1515 1510  Big Limo - 1510 1655  Injun Sand 1655 1600  Bluo Slavo 1600 1705  Sand 1705 1795  Slavo 1600 1000  Limo Saelin 1000 1010				1,51,5	2497			
Injun Sand 1655 1600  Blue Slate 1600 1705  Sand 1705 1705  Slate 1705 1000  Lime Saella 1000 1010	,		4 .				Fondil Cavo	
Blue Slate 1600 1705			2 -					
Sand 1705 1795 Shata 1795 1800 Limo Saella 1800 1810			La Salar	and the second s				
Shata 1795 1800 Limo Saulla 1800 1810			1 1.	the state of the s				
Limo Caulla 1000 lulo	- A)	20 6 Y		4 4 4 4 4 4				
			1 1		2000			
į .			Į		1 -6005 3		The sales	



WW-4A Revised 6-07

1)	Date:	January 15, 2014	
2)	Operator's	Well Number	
- 1	SIV 5		

3) API Well No.: 47 -

035 - 00574

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

(a) Name	Linda & Charles Ankri	im W	Name	
Address	216 Mill Dr		Address	
	Ravenswood, WV 26	164		
(b) Name			(b) Coal Owner(s) with De	eclaration
Address			Name	
	-		Address	
(c) Name			Name	
Address			Address	
Inspector	Jamie Stephens		(c) Coal Lessee with Decla	nration
Address	105 Kentuck Road			********
	Kenna, WV 25248		Addmes	
Telephone	304-206-7775		- ANNE MC C	
well it (2) The pl The reason y	s and the plugging w at (surveyor's map) s	ork order; and showing the well loca ments is that you have a	tion on Form WW-6.	ies involved in the work and describes the instructions on the reverses side.
well it (2) The pl The reason y However, yo Take notice accompanyir Protection, w the Applicat	s and the plugging wat (surveyor's map) so ou received these docu u are not required to tak that under Chapter 22-6 ag documents for a perm of the respect to the well a tion, and the plat have	ork order; and showing the well local ments is that you have a eany action at all so of the West Virginia Cont to plug and abandon at the location described	rights regarding the application which are sur ode, the undersigned well operator proposes to a well with the Chief of the Office of Oil and C on the attached Application and depicted on te ed or certified mail or delivered by hand to t	
well it (2) The pl The reason y However, yo Take notice accompanyir Protection, w the Applicat	s and the plugging wat (surveyor's map) so ou received these docu u are not required to tak that under Chapter 22-6 ag documents for a perm of the respect to the well a tion, and the plat have	ork order; and showing the well local ments is that you have a eany action at all of the West Virginia Count to plug and abandon at the location described been mailed by registers	rights regarding the application which are sur ode, the undersigned well operator proposes to a well with the Chief of the Office of Oil and O on the attached Application and depicted on te ed or certified mail or delivered by hand to t ivery to the Chief.	file or has filed this Notice and Application and Gas, West Virginia Department of Environmental the attached Form WW-6. Copies of this Notice,
well it (2) The pl The reason y However, yo Take notice accompanyir Protection, w the Applicat certain circum	s and the plugging wat (surveyor's map) so ou received these docu u are not required to take that under Chapter 22-6 ag documents for a permetth respect to the well at ion, and the plat have instances) on or before the SEAL.	work order; and showing the well local ments is that you have a eany action at all sof the West Virginia Cont to plug and abandon at the location described been mailed by registers he day of mailing or deligation.	rights regarding the application which are sur ode, the undersigned well operator proposes to a well with the Chief of the Office of Oil and O on the attached Application and depicted on te ed or certified mail or delivered by hand to t ivery to the Chief.	file or has filed this Notice and Application and Gas, West Virginia Department of Environmental the attached Form WW-6. Copies of this Notice, the person(s) named above (or by publication in
well it (2) The pl The reason y However, yo Take notice accompanyir Protection, w the Applicat certain circui	s and the plugging wat (surveyor's map) so ou received these docu u are not required to take that under Chapter 22-6 ag documents for a permeth respect to the well at the company of the plat have metances) on or before the season of the sea	ork order; and showing the well local ments is that you have a eany action at all of the West Virginia Conit to plug and abandon at the location described been mailed by registers he day of mailing or deliverable.  Well Operato	rights regarding the application which are sur- ode, the undersigned well operator proposes to a well with the Chief of the Office of Oil and to on the attached Application and depicted on te ed or certified mail or delivered by hand to t ivery to the Chief.	innarized in the instructions on the reverses side.  Tile or has filed this Notice and Application and Gas, West Virginia Department of Environmental the attached Form WW-6. Copies of this Notice, the person(s) named above (or by publication in
well it (2) The pl The reason y However, yo Take notice accompanyir Protection, w the Applicat certain circui	s and the plugging wat (surveyor's map) s ou received these docu u are not required to tak that under Chapter 22-6 ag documents for a perior oth respect to the well a ton, and the plat have mstances) on or before to	work order; and showing the well local ments is that you have a eany action at all. To of the West Virginia Count to plug and abandon at the location described been mailed by registers the day of mailing or deligible.  Well Operato By:	rights regarding the application which are surrouse, the undersigned well operator proposes to a well with the Chief of the Office of Oil and Con the attached Application and depicted on the or certified mail or delivered by hand to trivery to the Chief.  EXCO Resources (PA), LLC  Rick Green  Construction Specialist I  PO Box 8	innarized in the instructions on the reverses side.  Tile or has filed this Notice and Application and Gas, West Virginia Department of Environmental the attached Form WW-6. Copies of this Notice, the person(s) named above (or by publication in
well it (2) The pl The reason y However, yo Take notice accompanyir Protection, w the Applicat certain circum  OFFICIA NOTARY STATE OF WISHELLY V RR 1, B	s and the plugging wat (surveyor's map) so ou received these documents for a permith respect to the well at ion, and the plat have matances) on or before the service of th	well Operato By:  Its:  Address  Address	rights regarding the application which are sur- ode, the undersigned well operator proposes to a well with the Chief of the Office of Oil and on the attached Application and depicted on te ed or certified mail or delivered by hand to to every to the Chief.  EXCO Resources (PA), LLC Rick Green Construction Specialist I PO Box 8 Ravenswood, WV 26164	innarized in the instructions on the reverses side.  Tile or has filed this Notice and Application and Gas, West Virginia Department of Environmental the attached Form WW-6. Copies of this Notice, the person(s) named above (or by publication in
well it (2) The pl The reason y However, yo Take notice accompanyir Protection, w the Applicat certain circum  OFFICIA NOTARY STATE OF WISHELLYV RR 1, B Given, West V	s and the plugging wat (surveyor's map) so ou received these docu u are not required to take that under Chapter 22-6 ag documents for a permetath respect to the well at ion, and the plat have mstances) on or before the season of the season	work order; and showing the well local ments is that you have a eany action at all so of the West Virginia Count to plug and abandon at the location described been mailed by registers he day of mailing or delification. Well Operato By:  Its:	rights regarding the application which are surrouse, the undersigned well operator proposes to a well with the Chief of the Office of Oil and Con the attached Application and depicted on the or certified mail or delivered by hand to trivery to the Chief.  EXCO Resources (PA), LLC  Rick Green  Construction Specialist I  PO Box 8	innarized in the instructions on the reverses side.  Tile or has filed this Notice and Application and Gas, West Virginia Department of Environmental the attached Form WW-6. Copies of this Notice, the person(s) named above (or by publication in
well it (2) The pl The reason y However, yo Take notice accompanyir Protection, w the Applicat certain circuit  OFFICIA NOTARY STATE OF WIS SHELLYV RR 1, B Given, West V My Commission Exp	s and the plugging wat (surveyor's map) so ou received these documents for a permeth respect to the well at the surveyor's map) so on the surveyor's map of the surveyor's for a permeth respect to the well at the surveyor on the surveyor of the surveyor o	work order; and showing the well local ments is that you have a eany action at all sof the West Virginia Control of the West Virgini	rights regarding the application which are sunded, the undersigned well operator proposes to a well with the Chief of the Office of Oil and Conthe attached Application and depicted on the discrete door certified mail or delivered by hand to trivery to the Chief.  EXCO Resources (PA), LLC  Rick Green  Construction Specialist I  PO Box 8  Ravenswood, WV 26164  304-273-5371	innarized in the instructions on the reverses side.  Tile or has filed this Notice and Application and Gas, West Virginia Department of Environmental the attached Form WW-6. Copies of this Notice, the person(s) named above (or by publication in
well it (2) The pl The reason y However, yo Take notice accompanyir Protection, w the Applicat certain circum  OFFICIA NOTARY STATE OF WIS SHELLYV RR 1, B Given, West V My Commission Exp	s and the plugging wat (surveyor's map) so ou received these documents for a permetal respect to the well at the surveyor on or before the surveyor of the well at the surveyor of the sur	well Operato By: Its: Address Telephone	rights regarding the application which are surface, the undersigned well operator proposes to a well with the Chief of the Office of Oil and Con the attached Application and depicted on the or certified mail or delivered by hand to trivery to the Chief.  EXCO Resources (PA), LLC Rick Green Construction Specialist I PO Box 8 Ravenswood, WV 26164 304-273-5371	innarized in the instructions on the reverses side.  file or has filed this Notice and Application and Jas, West Virginia Department of Environmental the attached Form WW-6. Copies of this Notice, the person(s) named above (or by publication in

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.

### SURFACE OWNER WAIVER

Operator's Well Number

SIV 5

#### 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.

Comments must be in writing. 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;

APR 1 7 2014

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 Office World the violation..."
WV Dept. of Environmental Protection

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 I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the objection to a permit being issued on those materials.	planned worl	described in these materials, and I have no
FOR EXECUTION BY A NATURAL PERSON		FOR EXECUTION BY A CORPORATION,
Charles 21. Juleum Date 22	/14 Name	
Signature	By	
	Its	Date

WW-9 Rev, 5/08

	Page 1		of 6	
API Number 47 -	035	. +	00574	
Operator's Well N	0. SN 5			

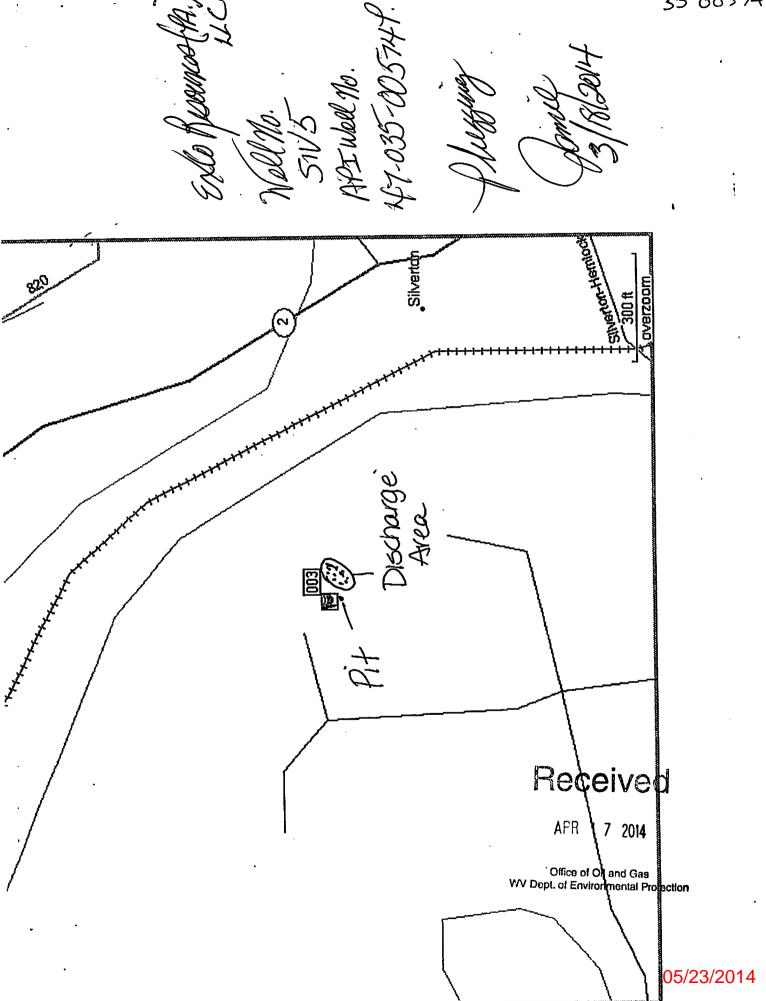
# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

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

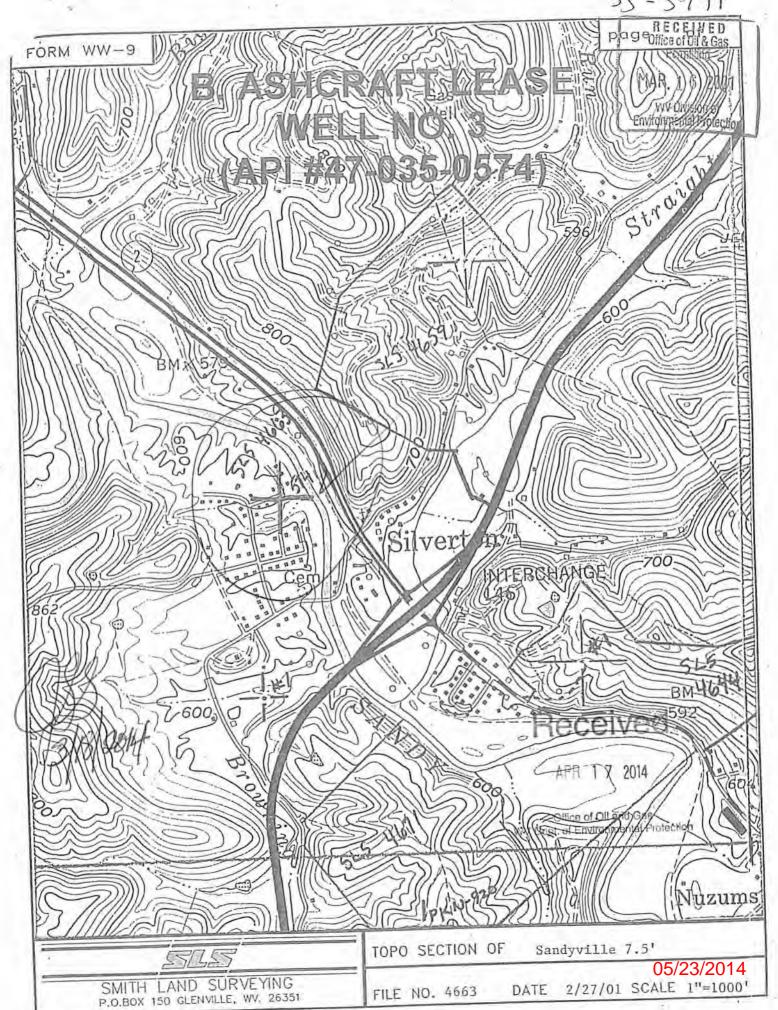
Operator Name EXCO Resou	rces (PA), LLC	OP Code 307860
Watershed Sandy Creek	Quadran	gle Ripley/Sandyville 7.5
Elevation 597'	County Jackson	District Ravenswood
Description of anticipated Pit Wa	ste: cement, gel, water	Office of C
Will a synthetic liner be used in the	ne pit? yes	
Proposed Disposal Method For T	reated Pit Wastes:	MAY 2
	ground Injection (UIC Permit Number_	WV Depa Environment
	(at API Number	
	e Dispposal (Supply form WW-9 for disp (Explain solidified with cement on site	osal location)
Proposed Work For Which Pit W	ill Be Used:	
Drillin	Sw	vabbing
Works	ver X Ph (Explain	ugging
Other	(Explain	
provisions of the permit are enfo law or regulation can lead to enfo I certify under penalty application form and all attach obtaining the information, I bel penalties for submitting false-info Company Official Signature	receable by law. Violations of any term of rement action.  of law that I have personally examined ments thereto and that, based on my in every that the information is true, accurate mation, including the possibility of fine of Rick Green	attment of Environmental Protection. I understand the condition of the general permit and/or other appliand am familiar with the information submitted or equiry of those individuals immediately responsible, and complete. I am aware that there are significant imprisonment.
Company Official Title Cons	truction Specialist I	
Subscribed and sworn before me	this 19 day of Feb	. 2014
Subscribed and sworn before me	uns uay or <del>1CO</del>	, 2011
Shelly Well	lling	Notory Public
2	J	OFFICIAL SEAL NOTARY PUBLIC
-	4 6	STATE OF WEST VIRGIN
My commission expires	11/19/18	SHELLY WELLING RP. 1, Box 120

Operator's Well	No. SIV	5	

	ι	EGEND	
Property Boundary 4		Diversion CONTRACTOR	······································
Road = = = = = =	======	Spring <del></del> →	
Existing Fence — 🗶 -	_ × _ × _	Wet Spot	
Planned Fence / -	//_	Drain Pipe with size in inches	— ⑥ ——▶
Stream	1.1. M. 1.1. M	Waterway $\longleftrightarrow$	$\rightarrow$ $\Longleftrightarrow$
Open Ditch	·	Cross Drain	
Rock ESES	<b>E</b> D	Artificial Filter Strip XXXXX	****
North N	~	Pit: cut walls	
Buildings		Pit: compacted fill walls	
Water wells W		Area for Land Application of Pit W	2510
Drill site 🕀		EFFE	
Proposed Revegetation Treat	ment: Acres Disturbed >1	Prevegetation pH	
Lime 2	Tons/acre or to correct to pH	0.5	
Fertilizer (10-20-20	or equivalent) 500 lbs/	acre (500 lbs minimum)	
2		·	
Mulch	Tons/ac	cre	
	Seed	Mixtures	
An	ea I	Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
KY 31 Fescue	40	same as Area I	
Alsike Clover	5		
Annual Rye	16		
<del>-</del> · ·	pit and proposed area for land appl	ication.	Received
Photocopied section of invol	ved 7.5' topographic sheet.		
			APR 1 7 2014
Plan Approved by:	Camio Alore	ens S	
Comments:	John Spar	W	Office of Oil and Gas  / Dept. of Environmental Protection
commend.	<del> </del>		
		Why 1. 184	tonak!
Title:		Date: ////////////////////////////////////	2017
Field Reviewed? (_	Yes	_) No /	



35-574P



WW-7 8-30-06



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

# WELL LOCATION FORM: GPS

round round -rum.
-rum_
-rum_
- 1
·AL
4
597 FT (1
in lieu of mber on the do not meet Altitude:  PR 2 1 2014
ce of Oil and Gas
Emitonmental Protection
edge and
PF de die