

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

November 04, 2013

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-1700243, issued to CNX GAS COMPANY 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

Chief

Operator's Well No: 10579 (A-5)

Farm Name: SQUIRES, R. LEGGETT

API Well Number: 47-1700243

Permit Type: Plugging
Date Issued: 11/04/2013

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. 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.

1) Date 10/08	, 2013
2) Operator's	
Well No. 10579	
3) API Well No.	17 - 017 - 00243

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

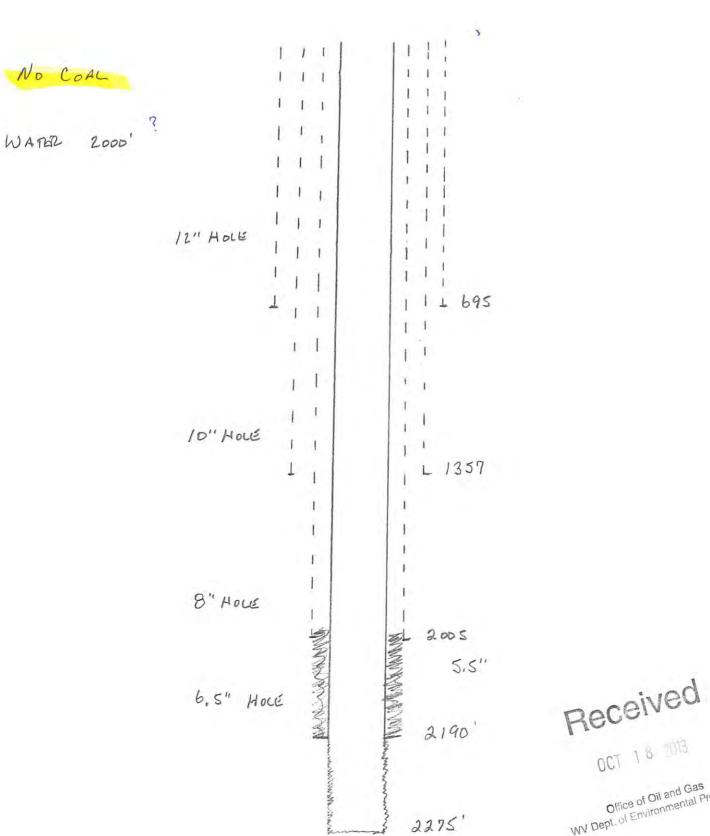
5) Location: Elevation 1,168.11	Underground storage) Deep/ Shallow X
District Central	County Doddridge 17 Quadrangle Oxford 626
	Quadrangie oxioid 3/1
6) Well Operator CNX Gas Company LLC	7) Designated Agent Jeremy Jones
Address P.O. Box 1248	Address P.O. Box 1248
Jane Lew, WV 26378	Jane Lew, WV 26378
3) Oil and Gas Inspector to be notified	01.01
Name Douglas Newlon	9) Plugging Contractor
Address 4060 Dutchman Road	Name See Attached List
McFarlan, WV 26148	Address
1. Load hole with gel and circulate 2. Spot 300' cement plug in 5.5" csg 220 3. Cut and pull 5.5" csg @ 1850'	
 Load hole with gel and circulate Spot 300' cement plug in 5.5" csg 220 Cut and pull 5.5" csg @ 1850' Gel hole 	@ 2200' 00'-1900'
 Load hole with gel and circulate Spot 300' cement plug in 5.5" csg 220 Cut and pull 5.5" csg @ 1850' Gel hole Spot 100' cmt plug over cut 1850 	@ 2200' 00'-1900'
 Load hole with gel and circulate Spot 300' cement plug in 5.5" csg 220 Cut and pull 5.5" csg @ 1850' Gel hole Spot 100' cmt plug over cut 1850 	@ 2200' 00'-1900'
 Load hole with gel and circulate Spot 300' cement plug in 5.5" csg 220 Cut and pull 5.5" csg @ 1850' Gel hole Spot 100' cmt plug over cut 1850 Spot 100' cmt plug over hole change Spot 100' cmt plug over hole change Spot 100' cmt plug over hole change 	@ 2200' 00'-1900' O'-1750' Inge 1400'-1300' Pron 1160 - 1200 Inge 750'-650' Received
 Load hole with gel and circulate Spot 300' cement plug in 5.5" csg 220 Cut and pull 5.5" csg @ 1850' Gel hole Spot 100' cmt plug over cut 1850 	@ 2200' 00'-1900' O'-1750' Inge 1400'-1300' Pron 1160 - 1260 Inge 750'-650' O'-0'. 9. Set monument
 Load hole with gel and circulate Spot 300' cement plug in 5.5" csg 220 Cut and pull 5.5" csg @ 1850' Gel hole Spot 100' cmt plug over cut 1850 Spot 100' cmt plug over hole change Spot 100' cmt plug over hole change Spot 100' cmt plug over hole change 	@ 2200' 00'-1900' O'-1750' Inge 1400'-1300' Pron 1160 - 1260 Inge 750'-650' O'-0'. 9. Set monument
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 Load hole with gel and circulate Spot 300' cement plug in 5.5" csg 220 Cut and pull 5.5" csg @ 1850' Gel hole Spot 100' cmt plug over cut 1850 Spot 100' cmt plug over hole change in the load of the load of the load over hole change. Spot 100' cmt plug over hole change. Spot 100' cmt plug to surface 100 Spot 100' cmt plug to surface 100 	@ 2200' 00'-1900' O'-1750' Inge 1400'-1300' Pron 1160 - 1200 Inge 750'-650' Received

		2200' 00' - 1900'	Spot 100' cmt plug over cut 1850' - 1750' Spot 100' cmt plug over hole change 1400' - 1300' Spot 100' cmt plug over hole change 750' - 650'	0 - 001		100' plug, sks cmt(25% excess) 83 58				CMT,sks				
Leggett		nd circulate @ ; I in 5.5" csg 220 sg @ 1850'	over cut 1850' over hole chan	plug to surface	Į Į	0.7854 0.5454	0.2304	0.1104	Sind	SZ	6.5. 8.0 0.0	12		
151		Load hole w/ gel and circulate @ 2200' Spot 300' cmt plug in 5.5" csg 2200' - 1900' Cut and pull 5.5" csg @ 1850' Gel hole	Spot 100' cmt plug over cut 1850' - 1750' Spot 100' cmt plug over hole change 1400' - 130 Spot 100' cmt plug over hole change 750' - 650'	spor for cament plug to surface 100° - 0° set monument	F	0.13987 0.09714 0.06217	0.04104	0.01967	SEMENT PILIS	TOP	1900 1750 1300 650	0		
WELL NAME	WORK ORDER		. v v ∞ 0		Ğ	12 10 10 8	6.5	4.5 2.375" TBG		воттом	2200 1850 1400 750	100		
		1												
CSG CSG SIZE SET	MEN	COALS None 5.5 2140	8.625 1357 Pulled						7 2005 Pulled				5.5 2190	TD 2275

Office of Oil and Gas

WV Dept. of Environmental Protection

PERMIT 47-17-0243 ELEV. 1147



Office of Oil and Gas Unice of Ull and Uas

WW Dept. of Environmental Protection

Attachment - Form WW-4B for Well 10579:

Potential Plugging Contractors:

Yost Drilling 313 Steel Hill Rd. Mount Morris, PA 15349

Viking Well Service 8113 Sissonville Drive Sissonville, WV 25320

Coastal Drilling 130 Meadow Ridge Rd, STE 24 Mount Morris, PA 15349

Received

OCT 18 2013

Office of Oil and Gas W Dept. of Environmental Protection OG-10 Rev. - 9-71



UP

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle HOLBROOK

Permit No. DOD-2113

Rotary	Oil
Cable_X	Gas
Recycling	Comb
Water Flood	Storage
Disposal	

				(Kind)
CompanyAllegheny Land & Mineral Co. Address Clarksburg, WV 26301 Farm Ralph Leggett Acres 187	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Location (waters) Well No. A-5 Squires Hrs. Elev. 1175! District Central County Doddridge	Size 20-16 Cond.			
The surface of tract is owned in fee by	XX10"	6951	0	
Mr. & Mre. Ralph Leggett	9 5/8			
Address Oxford, WV	8 5/8	13571	0	
Mineral rights are owned by Squires Hrs. &	7	2005	0	
Ralph Leggett	5 1/2	21901	2190	- 10 sacks
Drilling Commenced March 11, 1958	4 1/2			20 540115
Drilling Completed May 5, 1958	3			
Initial open flow 134 M cu. ft. bbls.	2			
Final production 300 Mcu. ft. per day bbls.	Liners Used			
Well openhrs. before test 425# RP.			-	
Well treatment details:	Attach copy of c	cementing recor	d. 	
		··		
Coal was encountered atFee Fresh waterFeet	t	Inches		Fact
Producing Sand	Depth			

Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water • Remarks
Red Rock Sand Lime Red Rock Slate & Shell Red Rock Sand Slate Lime Red Rock Sand Slate & Shell Sand Slate Lime Slate	50 170 285 300 460 545 600 710 734 770 1245 1552 1580 1645 1670 1735 1835	170 205 285 300 460 545 600 710 734 770 1245 1550 1645 16735 1865	Received OCT 18 2013 Office of Oil and Gas N Environmental Protection

(over)

^{*} Indicates Electric Log tops in the remarks section.

Formation Color	Hard or Soft	Top Feet	Bottom Feet	Oil. Gas or Wate	* Remarks	7 ··
Slate & Shell Maxson Sand Lime Slate Little lime Pencil Cave Big Lime Sand Break Squaw Sand Shale	total	1865 1970 2010 2068 2080 2105 2108 2205 2245 2247 2256 depth	1970 2010 2068 2080 2105 2108 2205 2245 2247 2256 2275		·	
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			-			Received
		·				OCT 1.8 2013
				• .		Office of Oil and Gas WV Dept. of Environmental Protection

WW-4A Revised 6-07

1) Date: 10/08/2013			
2) Operator's Well Number 1057			
3) API Well No.: 47 -	017	00243	

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

(a) Name Address (b) Name Address	Jan L. and Phyllis A. Grac 236 24th Street Des Moines, IA 50265	e V	(a) Coal Operato	1
(b) Name			Name	None of Declaration
	500 Molitos, IA 50200		Address	
				wner(s) with Declaration
			Name	None of Declaration
			Address	
(c) Name			Name	
Address	-		Address	
			Address	
6) Inspector	Douglas Newlon		— (a) Conl I	goes with D. J
Address	4060 Dutchman Road		Name	ssee with Declaration None of Declaration
	McFarlan, WV 26148		Address	Notic of Declaration
Telephone	304-932-8049		Address	
(2) The pla The reason you However, you Take notice the accompanying	nat under Chapter 22-6 of the	ring the well location is is that you have rigonal action at all. The West Virginia Coupling and abandon a location described as	ghts regarding the applicate the undersigned well of the well with the Chief of the	operator proposes to file or has filed this Notice and Application an e Office of Oil and Gas, West Virginia Department of Environments on and depicted on the attached Form WW-6. Copies of this Notice
Protection, wi	in respect to the well at the	mailed to the state of	Ar certified mail or del	
the Application certain circum	on, and the plat have been distances) on or before the day	mailed by registered y of mailing or delive Well Operator By: Its: Address	CNX Gas Company LL Jeremy Jones	ivered by nand to the person(s) named above (or by publication in
the Application certain circum	on, and the plat have been instances) on or before the day	y of mailing or deliv Well Operator By: Its:	CNX Gas Company LL Jeremy Jones Designated Agent - Ge	rvered by nand to the person(s) named above (or by publication in
the Application certain circum	OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA ROLINDA FLANAGAN PO Box 663 Lumburpor WV 28386	y of mailing or deliv Well Operator By: Its:	CNX Gas Company LL Jeremy Jones Designated Agent - Ge P.O. Box 1248	rvered by nand to the person(s) named above (or by publication in
the Application certain circum	OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA ROLINDA FLANAGAN PO BOX 603	y of mailing or deliv Well Operator By: Its: Address	CNX Gas Company LL Jeremy Jones Designated Agent - Ge P.O. Box 1248 Jane Lew, WV 26378	rivered by nand to the person(s) named above (or by publication is
the Application certain circum	OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA ROLINDA FLANAGAN PO Box 603 Lumberport WY 28386 Nasion Expires September 15, 2021	y of mailing or deliverships well Operator By: Its: Address Telephone	CNX Gas Company LL Jeremy Jones Designated Agent - Ge P.O. Box 1248 Jane Lew, WV 26378 304-884-2009	eneral Manager, WV Gas Operations
the Application certain circum	OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA ROLINDA FLANAGAN PO Box 663 Lumburpor WV 28386	y of mailing or deliverships well Operator By: Its: Address Telephone	CNX Gas Company LL Jeremy Jones Designated Agent - Ge P.O. Box 1248 Jane Lew, WV 26378	eneral Manager, WV Gas Operations

nept, of Environmenta 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 Rev. 5/08

Page	of	
API Number 47 - 017	00243	
Operator's Well No. 10579		

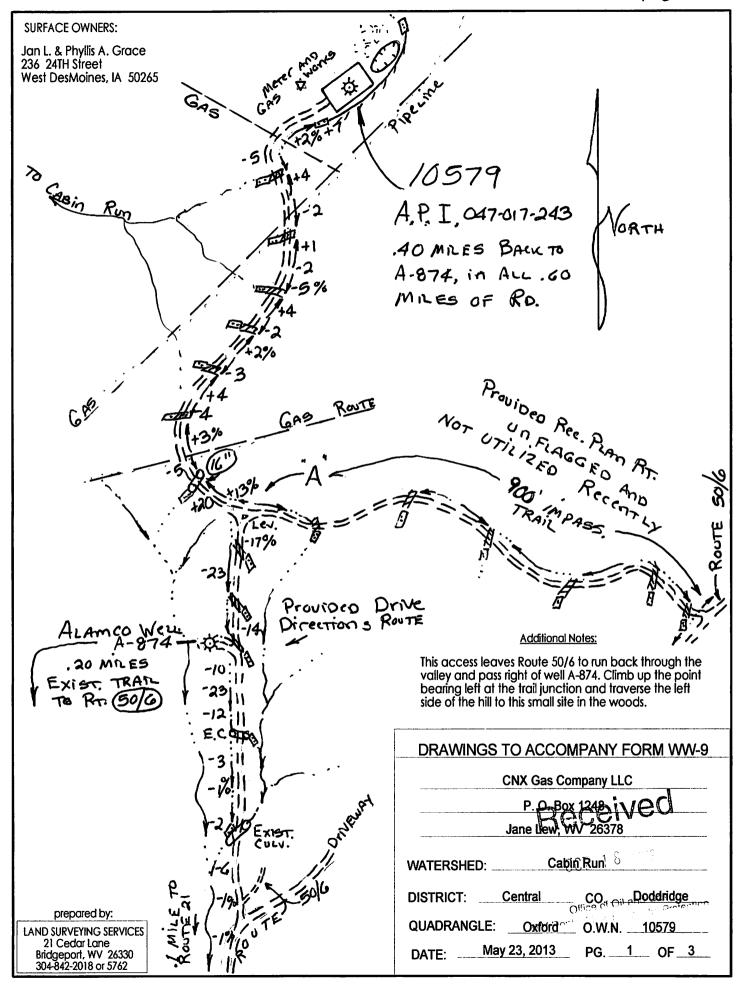
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

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

		OP Code 494458046
Watershed Cabin Run	Quadrang	le Oxford
levation 1168'	Doddridge	District_ Central
escription of anticipated Pit Wa	Fluids associated with the p	lugging of existing gas wells
Vill a synthetic liner be used in t	he pit? Yes 20	lugging of existing gas wells
roposed Disposal Method For T	reated Pit Wastes:	10-10
X Land A		
Under	ground Injection (UIC Permit Number	
Reuse	(at API Number	
Off Sit	te Dispposal (Supply form WW-9 for dispo (Explain_	sal location)
roposed Work For Which Pit W	ill Be Used:	
Drillin		abbing
Worko		gging
Other	(Explain	556
ovisions of the permit are enfor	rceable by law. Violations of any term or	the GENERAL WATER POLLUTION PERMI- ment of Environmental Protection. I understand condition of the general permit and/or other ap
rovisions of the permit are enformed of the permit are enformed or regulation can lead to enform a certify under penalty coplication form and all attachmotaining the information, I believed.	receable by law. Violations of any term or rement action. of law that I have personally examined are nepts thereto and that based on my incoments thereto and that based on my incoments thereto and that based on my incoments thereto.	ment of Environmental Protection. I understand condition of the general permit and/or other ap and am familiar with the information submitted airy of those individuals immediately response
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Operator's Well No. 10579

•	LECEND	
Property Boundary	Diversion (4.4/11/11/11/11/11/11/11/11/11/11/11/11/11	
Road = = = = = = = = = = = = = = = = = = =	Spring —	
Existing Fence — X — X — X —	Wet Spot	
Planned Fence / / /	Drain Pipe with size in inches _	@
Stream	Waterway \longleftrightarrow	\rightarrow \leftarrow
Open Ditch	Cross Drain	
Rock 635685	Artificial Filter Strip XXXXX	
North N	Pit: cut walls	
Buildings	Pit: compacted fill walls	
Water wells W	Area for Land Application of Pit V	Vaste
Drill site	ويتي المراجعة	
Proposed Revegetation Treatment: Acres Disturbed 55.83 Lime according to pH test Tons/acre or to correct to pH	revegetation pri _	5.5
	1.0	
Fertilizer (10-20-20 or equivalent) 500 lbs/a	cre (500 lbs minimum)	
Mulch hay or straw @ 2	re	
Seed	Mixtures	
Area I	Area II	
Seed Type Ibs/acre Orchard Grass 25	Seed Type	lbs/acre
	Orchard Grass	25
Birdsfoot Trefoil 15	Birdsfoot Trefoil	15
Ladino Clover 10	Ladino Clover	10
Attach: Drawing(s) of road, location,pit and proposed area for land applic Photocopied section of involved 7.5' topographic sheet.	cation.	
Plan Approved by: Danglas Nowlow		
Comments: <u>FN57all</u> E+5 scclaim	as we dep sego	lations
		-Received
A A . A		110001400
Title: Dut + Das implica	Date: 10-16-2013	
E'IIB) No	UCT TO 2013



XMap® 7 DELORME Leuson Run DILWells DEP34989 Cabin Run 5083 ① OII Well Cabin **⊕**3292 Be Ma 1060 Office of Oil and Gas

Office of Oil and Gas

WV Dept. of Environmental Protection (1) (1) (/1003 ⊕04 Weil

Scale 1: 24,000 Data use subject to license. © DeLorme. XMap® 7. www.delorme.com 1" = 2,000.0 ft Data Zoom 13-0 WW-7 5-02



West Virginia Department of Environmental Protection Office of Oil and Gas WELL LOCATION FORM: GPS

API: 4/-01/-	00243 WI	LLL NO.:	105/9	
FARM NAME:	RALPH LEGGE	TT		
RESPONSIBLE PART	Y NAME: CNX GA	S COMPANY LLC		
COUNTY:	DODDRIDGE DISTRI	CT: CE	NTRAL	
QUADRANGLE:	OXFORD	7.5'		
SURFACE OWNER:	JAN L. & PHYLLIS A. GRACE	236 24TH ST., WEST	DES MOINES, IA 50265	
ROYALTY OWNER:	APPALACHL	AN ROYALTIES, INC.,	ET, AL.	
UTM GPS NORTHING	G: 4,343,510.01 METERS	_		
UTM GPS EASTING:	513,076.58 METERS	_ GPS ELEVATION:_	356.04 METERS 168, 11 FT	
. Data Collection Method:	Survey Grade GPS: Post Pro	cessed Differential	Real-Time Differential	50/7
Signature) Mac	this data is correct to the best of my d and prescribed by the Office of Oil	knowledge and belief an and Gas. WV Professiona	d shows all the information required and Galar	rotection
J. Michael Eva	ins, PS		74	

CNX USE: NAD 27 WV NORTH SPC: 10579 = 272,651.63' 1,618,027.33' ELEV. = 1,168.11'



Carolinda Flanagan Permitting Analyst P.O. Box 1248 Jane Lew, WV 26378 (304) 884-2057

CN:GAS

October 8, 2013

Jan L. and Phyllis A. Grace 236 24th Street Des Moines, IA 50265

Re: Well # 10579; API # 47-017-00243

Central District, Doddridge County

To Whom It May Concern:

CNX Gas Company LLC is in the process of applying for a permit to <u>Plug</u> a well on the above noted lease of which you are the Surface/Coal Owner.

Enclosed are copies of the Notice and Application, Permit and the Location Plat

Please note the instructions on the Surface/Coal Owner Waiver form. If you have no objection to the <u>Plugging</u> being done, please follow instructions as they are given, sign and date the waiver and return it to us in the self addressed envelope.

Sincerely,

Carolinda Flanagan

Enclosures

Received

OCT 18 7013

Office of Oil and Gas

WV Dept. of Environmental Protection