

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

April 22, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-6101129, issued to LEATHERWOOD, INC., 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: SHRIVER 3

Farm Name: SHRIVER, SUSANNA

API Well Number: 47-6101129

Permit Type: Plugging
Date Issued: 04/22/2015

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. <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 under the terms of that agreement.

1) Date	2014 6101129
2) Operator's Well No. Shriver 3	
3) API Well No. 47-81	- 01129

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

)	Location: Elevation 1233		Watershed Dunkard Creek		
	District Batelle	-	County Monongalia Quadrangle Hundred, WV 7.5		
)	Well Operator Leatherwood, Inc.		7) Designated Agent Seth Wilson		
	Address 1001 Consol Energy D		Address 700 Hamton Center, Suite		
	Canonsburg, PA 153	17	Morgantown, WV 26505		
)	Oil and Gas Inspector to be note	ified 5	9) Plugging Contractor Name Contractor Services Inc. (CSI)		
	Address P.O. Box 108		Address 929 Charleston Rd.		
) F	Gormania, WV 26720	the manner	Address 929 Charleston Rd. Spencer, WV 25776 r of plugging this well is as follows:		
	Gormania, WV 26720 Work Order: The work order for	the manner	Spencer, WV 25776		
	Gormania, WV 26720 Work Order: The work order for	the manner	Spencer, WV 25776 r of plugging this well is as follows:		
	Gormania, WV 26720 Work Order: The work order for	the manner	Spencer, WV 25776 r of plugging this well is as follows:		

Work order approved by inspector

work can commence.

Date

6/2015



Shriver #3 API# 47-61-01129

Batelle District Monongalia County

Location: Hundred Northing: 443689.42

Easting: 1710807.83

Elevation: 1233

Proposed Plug & Abandonment Procedure:

The work order for the manner of plugging this well is as follows:

The wellbore will be cleaned out to the total depth or attainable bottom. An attempt to remove all casing shall be made by pulling a minimum of 150% of the casing string weight. From the total depth or attainable bottom to the surface, casing will be removed so that only fully cemented casing strings will be left in the wellbore. Intact and un-cemented casing as determined by electronic logging shall be perforated, ripped, or milled at no greater than 100 ft. intervals from total depth or attainable bottom, to the top of the casing. A borehole survey will be conducted to determine the top and bottom of any mineable coal seam. In addition, starting at a point 5 ft. below through 5 ft. above any mineable coal seam, any casing shall be ripped, cut, or perforated on no greater than 5 ft. intervals. Circulation will have been established using gelled water to the clean out depth. Expanding cement will be placed from the total depth or attainable bottom to 100 ft. above any mineable coal seam. From that point to the surface, a class A cement with no more than 3% CaCl2 and no other additives shall be used to fill the wellbore. A monument with the API number will be set on the wellbore at the surface. All plugging shall comply with WV Code Chapter 22 Article 6.

- Reclaim STL ASAP.

Received Office of Oil & Gas MAR 1 8 2015

	LOCATION:	Elevation:	1,450.00 Quadr	angle: HU	INDRED		
		Latitude:	BATTELLE 13600 Feet Sout 11700 Feet West	h of 39	Deg. 45Min.	Sec.	•
	Company:GRE R.D NEW	. 1, BOX 26	., INC. 57 PA 15352-0000	£	Used in		Cement Fill Up
	Agent: JOH	N LAVELLE			Drilling		
	•		•	Size			}
	Inspector: Permit Issu Well work C	ed:	11/08/93 1/01/16.1908	_JO'	208	208	<u></u>
Drilled	Well werk C Verbal Plug	ompleted: ging	Feb 12, 1909	8''	 1415' pulled		
	Permission Rotary Total Depth Fresh water	Cable	— Rig	<u>''ما</u>	2200'	9900	
	Salt water			5"	3010	3010	
	Is coal bei	ng mined in (ft): Put	n area (Y/N)?N s. 1010'	2"Tobus	 	 31 8 9	
	Static Second Gas: I Static NOTE: ON BA INTERVALS, LOG WHICH	ing formatinitial openinal openine of openinal openinal openinal openine of openine openin	S FORM PUT THE OR STIMULATING PEMATIC DETAILED TERED BY THE WELL FOR: GREENRI	d Oil: I /d Oil: I /d F nitial an g (surfac FOLLOWIN F PHYSIC GEOLOGIC LBORE.	Pay zone nitial open inal open f d final tes e pressure) G: 1). DET AL CHANGE, AL RECORD	depth (ft flow_ low_ ts_ after_ AILS OF E ETC. 2). OF ALL FO	Hours Bbl/d Bbl/d Hours Hours THE WELL
						ceived of Oil & Ga	ıc

Farm name: SHRIVER, SUSANNA

Heceived
Office of Oil & Gas
MAR 1 8 2015

Operator Well No.: SHRIVER #3 6101129 P

WW-4A Revised 6-07

1) Date:					
2) Operator's Well Number Shriver 3					
3) API Well No.: 47 -	61		01129		

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

(a) Name	Lawrence & Mary Kay .	Johnston	Name	r	
Address	1017 Derekton Drive		Address		
	Latrobe, PA 156505-55	10			
(b) Name	Diane Filosemi		(b) Coal Ov	vner(s) with Declaration	-
Address	1017 Derekton Drive		Name	CNX RCPC LLC	
	Latrobe, PA 156505-55	10	Address	1000 Consol Energy Drive	-
				Canonsburg, PA 15317	
(c) Name			Name		
Address			Address		
	-		- 135,144,485		
Inspector	Gayne J Knitowski		(c) Coal Les	ssee with Declaration	
Address	P.O. Box 108		Name	see with Declaration	
	Gormania, WV 26720		Address		
Telephone	304-546-8171			-	
13741 * 2 Koku			_	·	
(2) The p	its and the plugging wor plat (surveyor's map) sh	rk order; and owing the well loca ents is that you have r	ation on Form WW-6.	sets out the parties involved in ation which are summarized in the in	
The reason However, y Take notice accompany Protection, the Applica	plat (surveyor's map) sh you received these documerou are not required to take a te that under Chapter 22-6 of the documents for a permit with respect to the well at the	rk order; and owing the well locate ents is that you have r any action at all. f the West Virginia Co to plug and abandon a the location described en mailed by registere	rights regarding the application on Form WW-6. ode, the undersigned well of a well with the Chief of the lon the attached Application of delivery or certified mail or delivery or the contraction of the long th		this Notice and Application and in Department of Environmental
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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 depprivacyoffice@wv.gov.





Office of Oil & Gas MAR 1 8 2015 61001291

WW-9 (2/15)

API Number 47 - 61 - 00129

Operator's Well No. Shriver 3

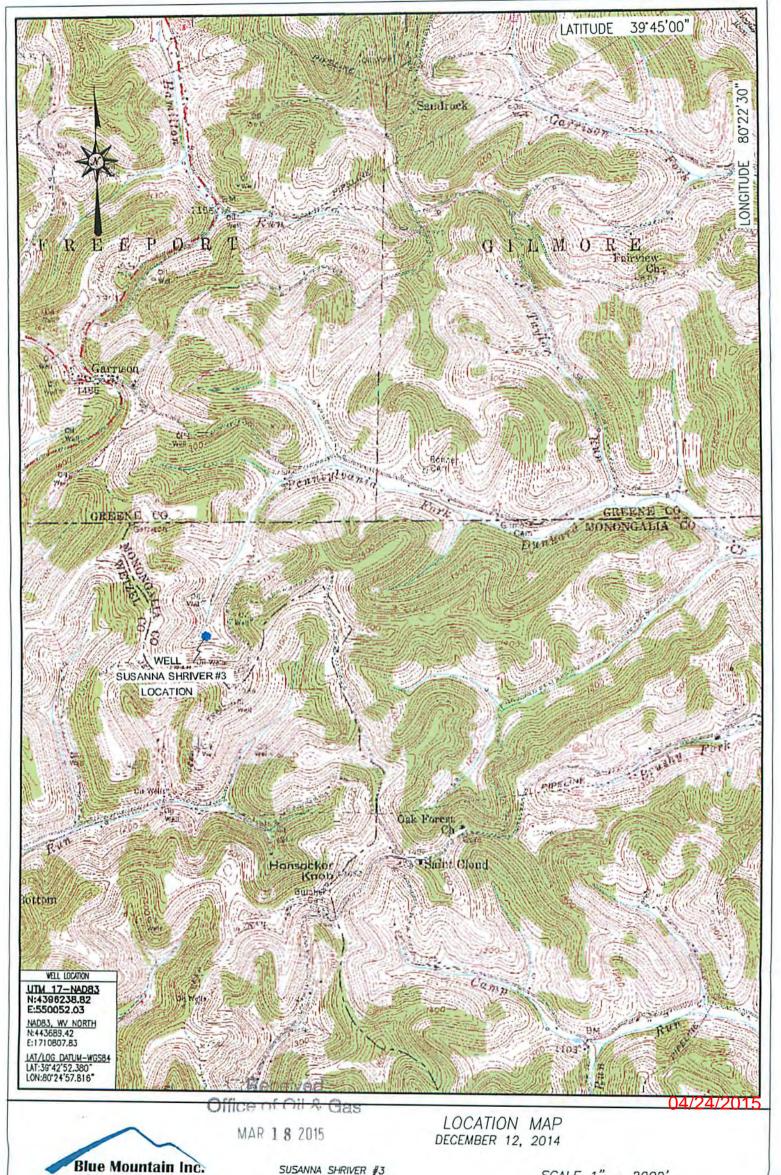
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Leatherwood, Inc.	OP Code 494476721
Watershed (HUC 10) Dunkard Creek	Quadrangle WV 7.5
Do you anticipate using more than 5,000 bbls of water to co Will a pit be used? Yes No	omplete the proposed well work? Yes No V
If so, please describe anticipated pit waste: N/A	
Will a synthetic liner be used in the pit? Yes	No If so, what ml.? N/A
Proposed Disposal Method For Treated Pit Wastes	ANY WELL EFFLUENT A
Land Application Underground Injection (UIC Pe Reuse (at API Number	rmit Number AND DISPOSED OF PROFE
Off Site Disposal (Supply form Other (Explain_	WW-9 for disposal location)
Will closed loop system be used? If so, describe: N/A	
Orilling medium anticipated for this well (vertical and horiz	ontal)? Air, freshwater, oil based, etc. N/A
-If oil based, what type? Synthetic, petroleum, etc.	
Additives to be used in drilling medium? N/A	
Orill cuttings disposal method? Leave in pit, landfill, remov	the state of the s
	be used? (cement, lime, sawdust)
Permittee shall provide written notice to the Office of Oil an West Virginia solid waste facility. The notice shall be provide where it was properly disposed.	d Gas of any load of drill cuttings or associated waste rejected at any led within 24 hours of rejection and the permittee shall also disclose
on August 1, 2005, by the Office of Oil and Gas of the West rovisions of the permit are enforceable by law. Violations aw or regulation can lead to enforcement action. I certify under penalty of law that I have personal pplication form and all attachments thereto and that, ba	
Company Official Signature	Office of Oil & Gas
ompany Official (Typed Name) Gerald Ramsburg	MAR 1 8 2015
ompany Official Title General Manager-Leatherwood	
ubscribed and sworn before me this 3 day of	Notary Public Commonwealth of Pennsylvania Notary Public Jane M. Young, Notary Public Cecil Twp., Washington County

6101128P

Leatherwood, Inc.			
Proposed Revegetation Trea	atment: Acres Disturbed	ess than 1 acre Prevegetation p	н
Lime 2-3	Tons/acre or to corre	ect to pH	
Fertilizer type 10-	20-20 or equivalent	D	
Fertilizer amount 5	500	lbs/acre	
Mulch_ har or str	aw	_Tons/acre	
		Seed Mixtures	
Te	emporary	Perma	ment
Seed Type	lbs/acre	Seed Type	lbs/acre
Tall Fescue	40	Tall Fescue	40
Landino Cover	5	Landino Cover	5
Attach: Drawing(s) of road, location, provided) Photocopied section of involv		land application (unless engineered plans inc	cluding this info have beer
Orawing(s) of road, location, provided) Photocopied section of involv		land application (unless engineered plans inc	cluding this info have beer
Prawing(s) of road, location, provided) Photocopied section of involved lan Approved by:	ved 7.5' topographic sheet.		cluding this info have beer
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Prawing(s) of road, location, provided) Photocopied section of involved lan Approved by:	ved 7.5' topographic sheet.		Received



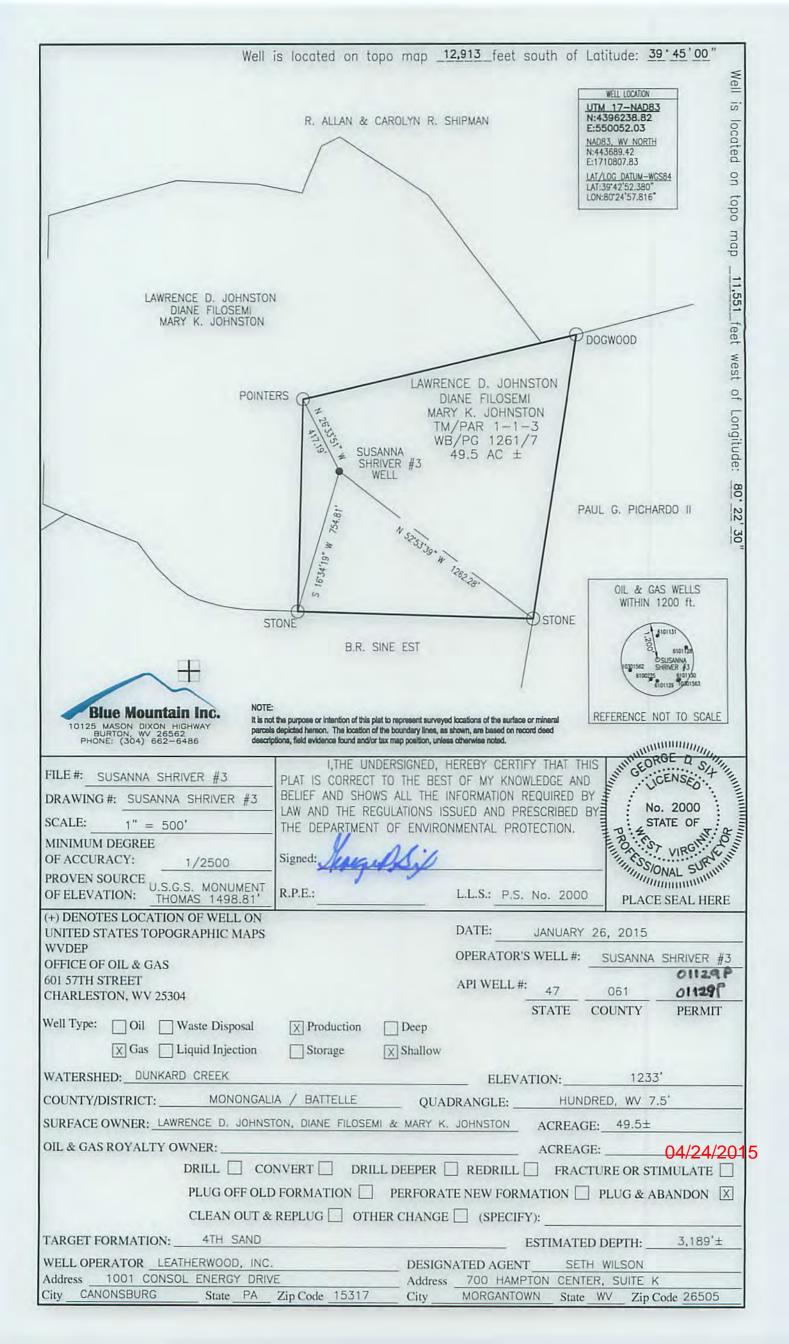
SUSANNA SHRIVER #3 HUNDRED QUADRANGLE WEST VIRGINIA

SCALE 1" = 2000' 0'

2000 4000

6000

Well	is located on topo map	12,913 feet south	
	R. ALLAN & CAROLYN R	. SHIPMAN	WELL LOCATION UTM 17—NADB3 N:4396238.82 E:550052.03 NADB3. WV NORTH N:443689.42 E:1710807.83 LAT/LOG DATUM—WGS84 LAT:39"42"52.380" LON:80"24"57.816"
			nap
LAWRENCE D. JOHNSTOI DIANE FILOSEMI MARY K. JOHNSTON	1		Dogwood
POINT	ERS Z Z N	RENCE D. JOHNSTON DIANE FILOSEMI MARY K. JOHNSTON TM/PAR 1-1-3 WB/PG 1261/7 49.5 AC ±	or roughtude:
	S 16'34'19" W 734.81'	W 1262381	PAUL G. PICHARDO II
	TONE	STOR	OIL & GAS WELLS WITHIN 1200 ft.
10125 MASON DIXON HIGHWAY Parcel	t the purpose or intention of this plat to represent sur a depicted hereon. The location of the boundary line	s, as shown, are based on record deed	REFERENCE NOT TO SCALE
FILE #: SUSANNA SHRIVER #3 DRAWING #: SUSANNA SHRIVER #3	I,THE UNDERSIGNED PLAT IS CORRECT TO THE B BELIEF AND SHOWS ALL THE LAW AND THE REGULATIONS THE DEPARTMENT OF ENVI		T THIS AND ICENSES TO STATE OF No. 2000 No. 2000 No. 2000 STATE OF VIRGINIA SURVIVIANIA
MINIMUM DEGREE OF ACCURACY: 1/2500	Signed:	RONMENTAL PROTECTIO	N. VIRGINION VIRGINION
PROVEN SOURCE U.S.G.S. MONUMENT THOMAS 1498.81'	R.P.E.:	L.L.S.: P.S. No. 2	PLACE SEAL HERE
+) DENOTES LOCATION OF WELL ON JNITED STATES TOPOGRAPHIC MAPS VVDEP DFFICE OF OIL & GAS 01 57TH STREET	Office of Oil & G	OPERATOR'S WELL API WELL #: 47	ARY 26, 2015 L#: SUSANNA SHRIVER #3
CHARLESTON, WV 25304		STAT	
/ell Type: Oil Waste Disposal	Production Deep		
Gas Liquid Injection	Storage X Shallo		
VATERSHED: DUNKARD CREEK	IA / BATTELLE		1233'
OUNTY/DISTRICT: MONONGAL			
URFACE OWNER: LAWRENCE D. JOHNS			
DIL & GAS ROYALTY OWNER: DRILL \(\square\) CO			EAGE: $04/24/20$ RACTURE OR STIMULATE \square
	100 (100 (100 (100 (100 (100 (100 (100		N PLUG & ABANDON X
	REPLUG OTHER CHAN		
ARGET FORMATION: 4TH SAND	A STATE OF THE STA		ATED DEPTH: 3,189'±
VELL OPERATOR LEATHERWOOD, INC	. DES	IGNATED AGENT	
Address 1001 CONSOL ENERGY DRIV		ess 700 HAMPTON C	



Leatherwood, Inc. Gerald Ramsburg 1000 Consol Energy Drive Canonsburg, PA 15317

February 19, 2015

West Virginia Department of Environmental Protection Office of Oil and Gas 601 57th Street, SE Charleston, WV 25304

Plugging Permit Application - Well "Shriver #3"

Dear Sir or Madam,

Enclosed is the plugging permit application for the above referenced well. This well is one of many to be plugged this year to comply with Leatherwood's consent order.

If any further information or correspondence is required, please contact Erika Whetstone at (724) 627-1492 or ErikaWhetstone@consolenergy.com.

Sincerely,

Gerald Ramsburg

Office of Oil & Gas