



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

December 28, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-3900620, issued to SHALE GAS PRODUCTION, 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 penalties 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: 1
Farm Name: Fletcher, Solon
API Well Number: 47-3900620
Permit Type: Plugging
Date Issued: 12/28/2015

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 _____, 20_____
2) Operator's
Well No. Solon Fletcher #1
3) API Well No. 47-39 - 00520

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ____ / Gas X / Liquid injection ____ / Waste disposal ____ /
(If "Gas, Production X or Underground storage ____) Deep ____ / Shallow X

5) Location: Elevation 578 Watershed Aarons Creek
District Union County Kanawha Quadrangle Charleston West

6) Well Operator Shale Gas Production, LLC 7) Designated Agent Doug Douglass
Address 929 Charleston Road Address 929 Charleston Road
Spencer, WV 25276 Spencer, WV 25276

8) Oil and Gas Inspector to be notified Name Terry Urban
Address P.O. Box 1207
Clendenin, WV 25045
9) Plugging Contractor Name Contractor Services Inc. of WV
Address 929 Charleston Road
Spencer, WV 25276

10) Work Order: The work order for the manner of plugging this well is as follows:
Prep Location; Move in; Rig up
Pull Tubing Packer.
Trip in Hole with 4 1/2" tubing.
Set plug across Devonian Shale. TOOH with tubing.
Rig up on 4.5" tubing and attempt to pull 4.5" and set cement plugs accordingly.
If cannot pull 4.5" casing, contact Inspector.

*Will plug well has
Blockage @ 1400 ft with plug*

Set plugs according to Inspector to seal off Salt Sand, Big Injun. Set elevation cement plug 200' to surface; 6% gel between plugs.

TOOH with casing and lay down. Erect monument. RDMO.

Received
Office of Oil & Gas
NOV 19 2015

NEED BOTTOM HOLE PLUG ~ 3000'
gmm

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector *Terry Urban* Date 11-18-15

Salon Fletcher

3800620?

LLOYD JACKSON WELL SERVICE

Oil and Gas Well Plugging, Hydraulic Jacks, Used Oilfield Casing,
36-L Spudders, Cooper Spudder Work-over Units and Bulldozers

Date Sept. 28 19 90

Ajax Pipeline
P.O. Box 6190
Charleston, WV 25362

Repair well in Dunbar

Post Office Box 498 • Hamlin, West Virginia 25523
HAMLIN: (304) 824-3432
CHARLESTON: (304) 756 9410

Aug.	18	Work Over Unit - attempted to run 5" & packer, 11				
		hrs. @ \$65.00 per hr.	\$ 825	00		
		Pick-up mileage - 78 miles @ .35¢ per mile	27	30		
		Extra man - helped run 5", 6 hrs. @ \$14.00 per hr.	154	00		
		Pick-up mileage - 78 miles @ .35¢ per mile	27	30		
		2 axle truck - hauled 5½" pipe to Dunbar & back to				
		Hamlin, 5 hrs. @ \$45.00 per hr.	225	00		
		Extra man - hauled supplies & welder to Dunbar, 6				
		hrs. @ \$14.00 per hr.	84	00		
		Extra man - helped run 5", 6 hrs. @ \$14.00 per hr.	84	00		
		Pick-up mileage - 78 miles @ .35¢ per mile	27	30		
		1 - 3/4" X 4" nipple		90		
		1 - 10" X 7" swedge	300	00		
		1 - change over nipple & collar	113	35		
		2 - 3/4" street ells @ \$1.75 each	3	50		
		1 - 3/4" X ½" bushings		95		
	21	Welder - welded crack in 10" casing, 3 hrs. @				
		\$45.00 per hr.	135	00		
		Pick-up mileage - 78 miles @ .35¢ per mile	27	30		
		Forwarded				

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1½% AFTER 30 DAYS.

3900620P

LLOYD JACKSON WELL SERVICE

Oil and Gas Well Plugging, Hydraulic Jacks, Used Oilfield Casing, 36-L Spuders, Cooper Spudder Work-over Units and Bulldozers

Date Sept. 28 1990

Ajax Pipeline

HAMLIN: (304) 824-3432 CHARLESTON: (304) 756 9410 Post Office Box 498 • Hamlin, West Virginia 25523

Sept. 15	Work Over Unit - ran 4 1/2" pipe, 12 hrs. @ \$65.00 per			
	hr.	\$ 780	00	
	Pick-up mileage - 78 miles @ .35¢ per mile	27	30	
	2 Extra men - helped run 4 1/2", 12 hrs. @ \$14.00 per hr.	336	00	
	Pick-up mileage - 78 miles @ .35¢ per mile	27	30	
16	Work Over Unit - hooked up 4 1/2" packer & well heads			
	rigged down & moved to Hamlin, 6 hrs. @ \$65.00 per			
	hr.	390	00	
	Pick-up mileage - 78 miles @ .35¢ per mile	27	30	
	2 Extra men - helped rig down, 6 hrs. @ \$14.00 per			
	hr.	168	00	
	Welder - welded 4 1/2" collar, 1 hrs. @ \$45.00 per hr.	45	00	
	3 axle truck - hauled 4 1/2" to Dunbar, 6 hrs. @ \$45.00			
	per hr.	270	00	
17	7" X 4" head	320	00	
	4" X 2" head	250	00	
	2 - 2" valves @ \$118.00 each	336	00	
	2" X 4" nipple	1	20	
	2" X 3/8" swedge	20	00	
	3/8" valve	5	50	

Received
Office of Oil & Gas
NOV 19 2015

1 1/2% AFTER 30 DAYS.

FORK LUGS - 2H - 4-37
 POLY 11 420 X5689 P
 OUTSIDE WELLS
 Elev. 578 Gr. COMPLETION REPORT F. 15546
 Map Sq. 56-59
 Farm Solon Fletcher Well No. 1
 Well Owners M. C. Allen
 On Waters of Aarons Creek
 State W. Va. County Kanawha Dist. Union
 Depth 3920 Completed 5-26-39, 19__
 Big Lime { Top 1453 Sand Injun { Top 1630
 { Bottom 1630 { Bottom 1637
 Oil First Day _____ Barrels Gas Est. 150 M Cu. Ft.
 Reported by _____ Date 6-6-39, 19__
 Salt sand 830-1424. Injun sand 1640-1690. Berea sand 2098-2113.
 Brown shale 3315-3390. Brown shale 3620-3645. Brown shale 3703-3918.
 Hole full salt water 830-840. Water in Injun. Gas 2780,
2/10 W 1" (15 M). Gas 3170-3180, 4/10 W 1" (21 M). Show gas
3320. Gas 3640-3650, 2/10 W 1" (15 M). Gas 3775-3785, 2/10 W 1" (15 M)
 (Over)

~~348-3500~~
 Test before shot 10/10 W 1" (33 M)
 Shot 5-27-39 with 4200# gelatin from 3333-3890
 Test 1 hr. after shot 5/10 Merc. 2" (348 M)
 Well shut in 1 hr. after shot
 Est. open flow -150 M
 Received
 Office of Oil & Gas
 NOV 19 2015
 Casing: 10" 57'
 8 5/8" 430'
 7" (20#) 1713'
 COMPLETE LOG ON FILE

Junior Stevens 348-3500

Robert W. Rutter

3000620P

OG-16

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Charleston

WELL RECORD

Permit No. Kan-620

Oil or Gas Well Gas
(Kind)

Company M. C. Allen
Address Quick, W. Va.
Farm Solon Fletcher Acres 2
Location (waters) No. 1 Elev. 578'
District Union County Kanawha
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced April 1, 1939
Drilling completed May 25, 1939
Data shot MAY 27, 1939 Depth of shot 3320-3892
Open Flow 10ths Water in _____ Inch
2 hours after shot two Inch
Volume 250,000 Cu. Ft.
Rock Pressure 610 lbs. hrs.
Oil None bbls. 1st 24 hrs.
Fresh water None feet
Salt water None feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
18			
13			
10		<u>57</u>	Size of
8 3/4	<u>420</u>		Depth set
6 5/8	<u>540 liner</u>	<u>1713</u>	
5 3/16			Perf. top
3			Perf. bottom
2			Perf. top
			Perf. bottom

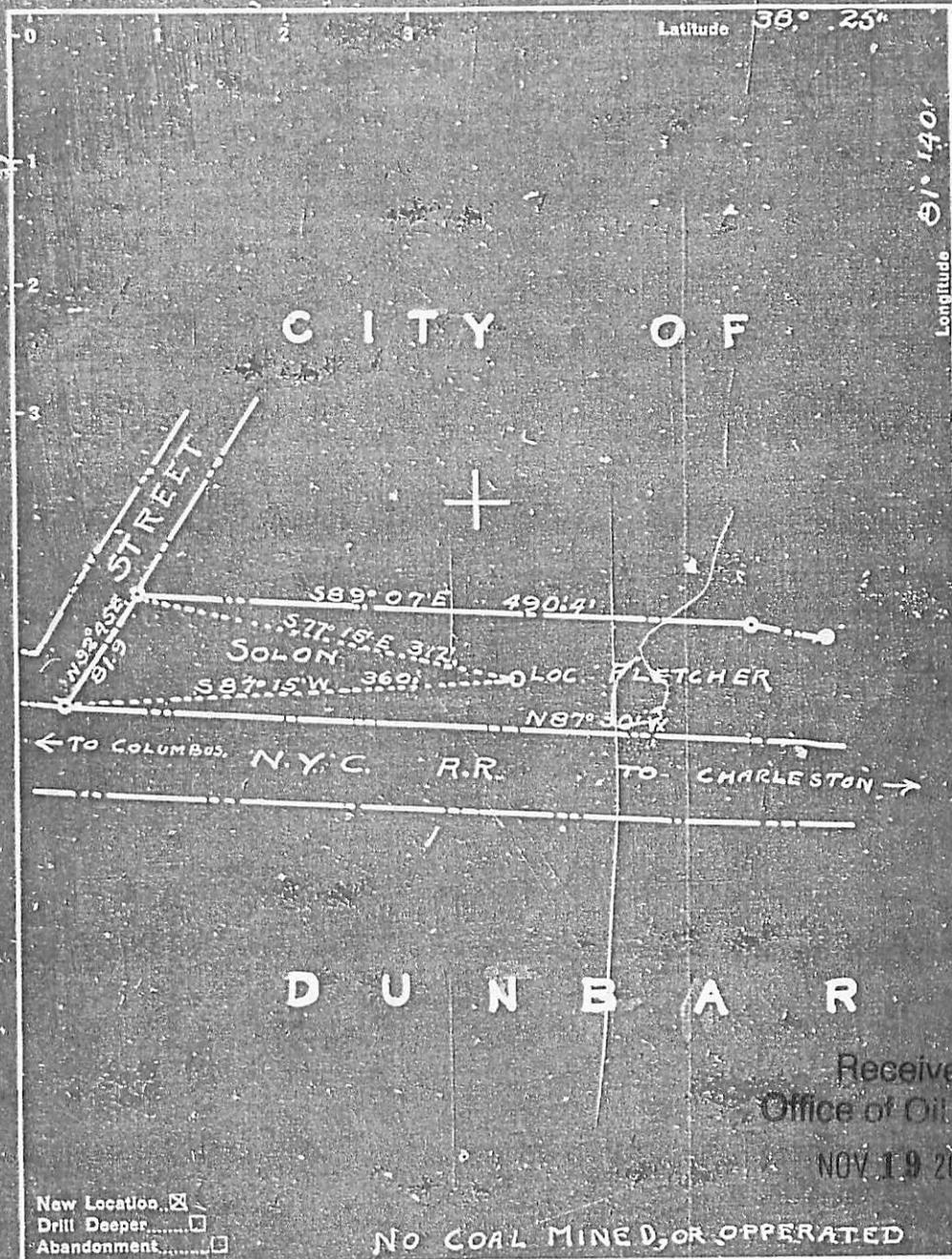
CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Surface			Nothing	57			
Slate			57	110			
Sand			110	220			
Slate			220	280			
Sand			280	340			
Slate			340	410			
Sand			410	430			
Slate			430	460			
Sand			460	530			
Slate			530	640			
Sand			640	805			
Slate			805	830			
Salt Sand			830	1424			
Little Lime			1424	1450			
Pencil			1450	1452			
Big Lime			1453	1630			
Keener Sand			1630	1637			
Slate			1637	1640			
Enjun Sand			1640	1690			
Slate & Shells			1690	1705			
Black Lime			1705	1720			
Slate Shells			1720	2003			
Brown Shale			2003	2048			
Berea Grit			2098	2113			
Slate & Shell			2113	3315			
Brown Shale			3315	3390			
Slate			3390	3620			
Brown Shale			3620	3645			
Slate			3645	3703			
Brown Shale			3703	3892			
Slate			3892				
							Casing point 1713
							Small show gas at 3320



Received
Office of the
NOV 19 2015

(Over)



Received
Office of Oil & Gas
NOV 19 2015

New Location
 Drill Deeper
 Abandonment

Company M. C. ALLEN
 Address QUICK, W. VA.
 Farm SOLON FLETCHER
 Tract 2# Acres _____ Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 578.0
 Quadrangle CHARLESTON
 County KANAWHA District UNION
 Engineer C. E. KREBS
 Engineer's Registration No. 9
 File No. 11603 Drawing No. _____
 Date 2-27-39 Scale 1"=100'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. KAN-620

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

Form 8-1

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL
(REQUIRED BY SECTION 2, CHAPTER 22, CODE 1931)
WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS SECTION

To THE DEPARTMENT OF MINES,
Charleston, W. Va.

Solon Fletcher
COAL OPERATOR OR COAL OWNER

M. C. Allen
NAME OF WELL OPERATOR

Charleston, W. Va.
ADDRESS

Quick, West Virginia
COMPLETE ADDRESS

COAL OPERATOR OR COAL OWNER

February 28th, 1939
PROPOSED LOCATION

ADDRESS

Union District

OWNER OF MINERAL RIGHTS

Kanawha County

ADDRESS

Well No. 38° 25'
81° 40' 2 miles

Solon Fletcher Farm

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or, as the case may be) under grant or lease dated _____ made by _____ to _____, and recorded on the _____ day of _____ in the office of the County Clerk for said County in Book _____, page _____.

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressees.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Code, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, M. C. Allen
By: W. C. Keith Engineer
WELL OPERATOR



Address of Well Operator

STREET
Quick,
CITY OR TOWN
West Virginia
STATE

*Section 3 If no such objection be filed, or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well-operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereby by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

Received
Office of Oil & Gas

NOV 1 1939

620

MAY 2 1939

WW-4B

API No.	<u>47-39-00620</u>
Farm Name	<u>Solon Fletcher</u>
Well No.	<u>Solon Fletcher #1</u>

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator _____/ owner _____/ lessee _____/ of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

**Received
Office of Oil & Gas**

NOV 19 2015

Date: _____

By: _____

Its _____

*No known operator, owner,
or lessee of workable coalbed/seam
on this tract.*

WW-4A
Revised 6-07

1) Date: _____
2) Operator's Well Number _____
Solon Fletcher #1 _____
3) API Well No.: 47 - 39 - 00620

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Michael K. Holley</u>	Name _____
Address <u>3 Carney Court</u>	Address _____
<u>Dunbar, WV 25064</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Terry Urban</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 1207</u>	Name _____
<u>Clendenin, WV 25045</u>	Address _____
Telephone <u>304-549-5915</u>	_____

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 Chief.



Well Operator Shale Gas Production, LLC
 By: [Signature]
 Its: Managing Member
 Address 929 Charleston Road
Spencer, WV 25276
 Telephone 304-927-5228

Received
Office of Oil & Gas
NOV 19 2015

Subscribed and sworn before me this 18th day of November 2015
David N. Brannon Notary Public
My Commission Expires December 10, 2017

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

Solon Fletcher #1

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;
- 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 or seek review of the violation..."

**Received
Office of Oil & Gas
NOV 19 2015**

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 planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

	Date	11/18/15	Name	Michael Holley
Signature			By	
			Its	
				Date
			Signature	Date

WW-9
(2/15)

API Number 47 - 39 - 00620

Operator's Well No. Solon Fletcher #1

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Shale Gas Production, LLC OP Code _____

Watershed (HUC 10) Aarons Creek Quadrangle Charleston West

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 Steel above ground pit

If so, please describe anticipated pit waste: salt water

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)
- Other (Explain _____)

Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

-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. N/A

-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.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable 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 submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature _____

Company Official (Typed Name) J. Scott Freshwater

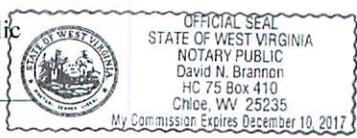
Company Official Title Managing Member

Received
Office of Oil & Gas
NOV 19 2015

Subscribed and sworn before me this 18th day of November, 20 15

David N. Brannon Notary Public

My commission expires December 10, 2017



Shale Gas Production, LLC

Proposed Revegetation Treatment: Acres Disturbed .5 Asphalt lot Prevegetation pH N/A

Lime _____ Tons/acre or to correct to pH _____

Fertilizer type _____

Fertilizer amount _____ lbs/acre

Mulch _____ Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *August [Signature]*

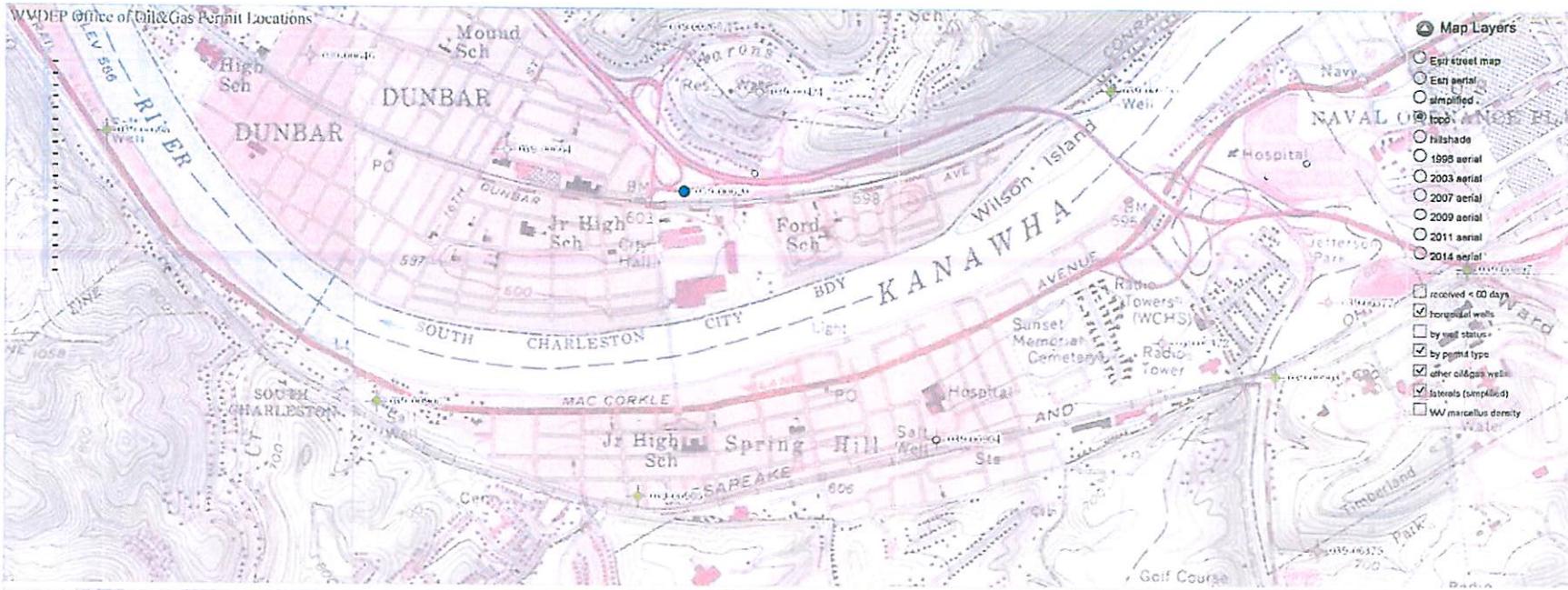
Comments: _____

Title: *Field Drop Oil & Gas*

Date: *11-18-15*

Received
Office of Oil & Gas
NOV 19 2015

Field Reviewed? () Yes () No



Attribute Search		Results	Legend	Location Search	About										
API	Permit Type	Received	Issued	Complete	Operator	Formation	Well Status	Well Type	Well Use	Farm Name	Well No.	Lon	Lat		
039-00620	Other Well	NA	1939-06-19	NA	AJAX PIPELINE COMPANY	Not Available	Active Well	Not Available	Not Available	Fletcher, Solon	1	-81.736166	38.380735		

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Office of Oil and Gas

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WV Department of
Environmental Protection

3900620P

WW-7
8-30-06



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

API: 39-00620 WELL NO.: Solon Fletcher #1
 FARM NAME: Solon Fletcher
 RESPONSIBLE PARTY NAME: Shale Gas Production, LLC
 COUNTY: Kanawha DISTRICT: Union
 QUADRANGLE: Charleston West
 SURFACE OWNER: Michael K. Holley
 ROYALTY OWNER: Shale Gas Production, LLC
 UTM GPS NORTHING: 4246097.1
 UTM GPS EASTING: 435682.8 GPS ELEVATION: 578

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS _____: Post Processed Differential _____
 Real-Time Differential _____

Mapping Grade GPS _____: Post Processed Differential _____
 Real-Time Differential _____

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Doyle Doyle
Signature

Land Manager
Title

11-17-15
Date

Received
Office of Oil & Gas
NOV 19 2015