

#### west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, S.E. Charleston, WV 25304 (304) 926-0450 fax: (304) 926-0452 Jim Justice , Governor Austin Caperton , Cabinet Secretary www.dep.wv.gov

Friday, May 12, 2017 WELL WORK PERMIT Vertical / Plugging

ROSS AND WHARTON GAS COMPANY, INC. (A) RT. 5, BOX 29

BUCKHANNON, WV 262010000

Re:

Permit approval for 3-S-245

47-007-01733-00-00

This well work permit 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 any additional specific 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0450.

Chief

Operator's Well Number: 3-S-245

Farm Name: WHITE, ROGER & CHERYL U.S. WELL NUMBER: 47-007-01733-00-00

Vertical / Plugging

Date Issued: 5/12/2017

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.

WW-4B Rev. 2/01

1) Date Febru	, 20 17	
2)Operator	's	
Well No.	Duffield, Lovey	
3) API Well	No. 47-0	007 - 01733

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

	APPLICATION FOR A PERM	MIT TO PLUG AND ABANDON
4)	Well Type: Oil/ Gas _X_/ Liquid	d injection/ Waste disposal/
	(If "Gas, Production $X$ or Unc	derground storage) Deep/ Shallow_X_
		Plantation Fauls of Stoom Crook
5)	Location: Elevation 966	Watershed Plantation Fork of Steer Creek
	District Birch	County Braxton Quadrangle Rosedale
6)	Well Operator Ross & Wharton	7)Designated Agent Mike Ross
,	Address Route 5 Box 29	Address PO Box 219
	Buckhannon, WV 26201	Coalton, WV 26257
8)	Oil and Gas Inspector to be notified	
	Name Danny Mullins Address 220 Jack Acres Road	Name_Unknown
	Buckhannon, WV 26201	Address
	Duomidimon, VVV Zozo I	
	2154 - TD  Run 6% Gel between each plug  2140 - 1830 Set Cement Plug  1450 - 1350 Set Cement Plug  1020 - 920 Set Cement Plug  220 - 0 Set Cement Plug  Set Monument with API Number	100' CLASS A CEMENT PLUG ACROSS CASING CUT,
	Free point AN Pull district of can commence.	010. 20
wor	c order approved by inspector	Daviel Potection



iV-35 (Rev 8-81)

July - 6 1983

## State of West Wirginia

Department of Mines Gil und Cas Bivision

Date			7, 1	1982	
Opera	tor's	;			
Well	No	3-S	-245		٠
Farm_					
API N					1733

C... & GAS F. VISION
DEPT. OF MINES

WELL OPERATOR'S REPORT

DRILLING,	FRACTURING	AND/OR	STIMULATING,	OR	PHYSICAL	CHANGE

DRILLING, FRACTURING AND/OR STIM	ULATING,	OR PHYSICA	L CHANGE	
WELL TYPE: Oil / Gas X/ Liquid Injection (If "Gas," Production X / Underground	n_/Was	te Disposa ge/ Dee	i/ p/ Sha	7JJow/)
LOCATION: Elevation: 966 Watershed p	lantation	Fork of S	teer Cree	k
District: Birch County Braxt				
		·		
COMPANY: Stonestreet Lands Company				
ADDRESS P.O. Box 350 Spencer, W.Va. 25276	Casing	Used in	Toft	Cement
DESIGNATED AGENT 0.V. Stonestreet	1 °	Drilling		fill up
ADDRESS P.O. Box 350 Spencer, W.Va. 25276	Size	pritting	Tu wett	Cu. ft.
SURFACE OWNER Anna J. Williams etal	20-16 Cond.			
ADDRESS Sutton, W.Va.	13-10"			
MINERAL RIGHTS OWNER Anna J. Williams etal	9 5/8			
ASORESS Sutton, W.Va.	8 5/8	196	196	60 sks
OLL AND GAS INSPECTOR FOR THIS WORK Robert	7		770_	00 363
Bates ADDRESS 109 Minnich St. Weston, WV	5 1/2			
PERMIT ISSUED Sept. 28, 1981	4 1/2	<u> </u>	2154	70 sks rfc
DRILLING COMMENCED 2-3-82	3		E134	70 383 116
DRILLING COMPLETED 2-9-82	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
Depth of completed well 2184 feet R Water strata depth: Fresh 55 feet; Coal seem depths: None	otary X Salt	/ Cable feet	Tools_	
OPEN FLOW DATA				
		zone dept		
Gas: Initial open flow 0 Mcf/d	Oil: Ini	tial open	flow(	Bb1/d
Final open flow 290 Mcf/d	Fin	al open fl	œ <u> </u>	
Time of open flow between initi	al and fi	nal tests_	7 hou	ùrs
Static rock pressure 510 psig(surface	measurem	ent) after	48 hou	rs shut in
(If applicable due to multiple completion-	-) Prod	duction te	st co-min	gled
Second producing formation Blue Monday	Pay	zone dept	h	feet  0 Bbl/d
	Oil: Ini	tial open	flow	0_Bbl/d
Final open flow 290 Mcf/d	Oil: Fin	al open fl	.cw	0 Bbl/d
Time of open flow between initi	al and fi	nal tests		urs
Static rock pressure 510 psig(surface	measureme	nt) after_	48 hou	rs shut in

1 Hali-1

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforation Intervals 1886-1914

Well Treatment

J-266 350 lbs. 20/40 sand 30,000 lbs. W-22 Anti sludging 36 gals. L-53 Clay control agent 20 gals. F-78 Ezeflo surfactant 8 gals. 15% Acid HCL 2000 gals. 500 bbls. water A-200 Inhibitor 4 gals.

WELL LOG

CRMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FLET	REMARKS Including indication of all freshand salt water, coal, oil and gas
Clay Shale & Sand Sandy Shale Shaley Sand Red Rock Slate & Shale Red Rock Slate & Shale Red Rock Slate & Shale Sand & Shale Sand & Shale Sand & Shale Shale Sand & Shale Shale Sand & Shale Shale Sand & Shale Shale Shale Sand & Shale	0 18 80 165 205 255 380 510 595 735 810 960 1000 1314 1344 1368 1402 1440 1452 1508 1544 1578 1622 1690 1838 1862 1914 2000 2106	18 80 165 205 255 380 510 595 735 810 960 1000 1314 1344 1368 1402 1440 1452 1508 1544 1578 1622 1690 1838 1862 1914 2000 2106 2184	

(Attach separate sheets as necessary)

Stonestreet Lands Company

General Manager

Regulation 2.02(i) provides as follows:

"The term 'log' or 'well loy' shall meun a systematic detailed geological record of all formations, including only, encountered in the drilling of a well."

DESIGNATED AGENT\_O.V. STONESTREET

ADDRESS \_\_\_ SPENCER, W.Y.

WELL OPERATOR STONESTREET LANDS CO.

ADDRESS\_

SPENCER, WY.

01733

WW-4A Revised 6-07

1) Date:	February 16, 2017	
2) Operator's V	Vell Number	
Duffield, Lovey 3-S-245	5	

007

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

3) API Well No.: 47 -

(a) Name		-,	(a) Coal Operato	<del>' -</del>
` '	Roger White &/or Cheryl		Name	N/A
Address	HC 84 Box 18		Address	
	Frametown, WV 26623		<u> </u>	
(b) Name			(b) Coal O	wner(s) with Declaration
Address			Name	N/A
			Address	
(c) Name			Name	
Address			Address	
			<del>_</del>	
6) Inspector	Danny Multins		(c) Coal Le	essee with Declaration
Address	220 Jack Acres Road		Name	N/A
	Buckhannon, WV 26201			
Telephone	304-932-6844		<u></u>	
	you received these documents you are not required to take any		ghts regarding the appl	ication which are summarized in the instructions on the reverses side.
However, y Take notice accompany Protection, the Applica	ou are not required to take any e that under Chapter 22-6 of the ring documents for a permit to with respect to the well at the	action at all.  The West Virginia Coplug and abandon a location described emailed by registered	de, the undersigned wel well with the Chief of t on the attached Applicat d or certified mail or de	ication which are summarized in the instructions on the reverses side.  Il operator proposes to file or has filed this Notice and Application and the Office of Oil and Gas, West Virginia Department of Environmental tion and depicted on the attached Form WW-6. Copies of this Notice, elivered by hand to the person(s) named above (or by publication in
However, y Take notice accompany Protection, the Applica	ou are not required to take any e that under Chapter 22-6 of the ring documents for a permit to with respect to the well at the ation, and the plat have been rumstances) on or before the da	action at all.  West Virginia Coplug and abandon a location described of mailed by registered y of mailing or deliversely.	de, the undersigned wel well with the Chief of to on the attached Applicat d or certified mail or do very to the Chief.	Il operator proposes to file or has filed this Notice and Application and the Office of Oil and Gas, West Virginia Department of Environmental tion and depicted on the attached Form WW-6. Copies of this Notice, elivered by hand to the person(s) named above (or by publication in
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However, y Take notice accompany Protection, the Applice certain circ	e that under Chapter 22-6 of the ving documents for a permit to with respect to the well at the ation, and the plat have been numstances) on or before the data where the d	action at all.  The West Virginia Coplug and abandon a location described of mailed by registered y of mailing or delivity.  Well Operator By: Its: Address Telephone	de, the undersigned well with the Chief of to the attached Applicated or certified mail or divery to the Chief.  Ross Whatton (Minimum President Po Box 219 Coalton, WV 26257 304-472-4289	Il operator proposes to file or has filed this Notice and Application and the Office of Oil and Gas, West Virginia Department of Environmental tion and depicted on the attached Form WW-6. Copies of this Notice, elivered by hand to the person(s) named above (or by publication in like Ross Inc.)

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and prone halphos, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normation course of business or as needed to comply with statutory or regulatory requirements, including Freedom of hippy attorible requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal? Of information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov.

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(304) 472-4289 (Office) Box 219 Coalton, WV 26257 (304) 472-7405 (Fax)

February 15, 2017

Roger &/ or Cheryl White HC 84 Box 18 Frametown, WV 26623

Re: Duffield, Lovey 1-S-239; Duffield, Lovey 2-S-244; Duffield, Lovey 3-S-245; Duffield, Lovey 4-S-246 Plugging Permits

Dear Roger &/or Cheryl:

Mike Ross Inc. is in the process of applying for a permit to plug the above referenced well. Enclosed are copies of the Notice and Application for well plugging permits and the location plats.

Please note the instructions on the surface owner waiver. If you have no objection to the plugging being done, please sign the waiver and return it to our office.

If you have any questions, please do not hesitate to contact this office.

Thank you,

Truke Hoss

Mike Ross Inc.

RECEIVED
Office of Oil and Gas

MAR 0,6 2017

WV Department of Environmental Protection

U.S. Postal Service™	alt. A sext of his
CERTIFIED MAIL® RE	CEIPT
Domestic Mall Only	
Domestic Mail Only  For delivery information, visit our webs	ite at www.usps.com®.
	USE
Confided Mail Foo  \$ 3.35  Extra Services & Féos (check box, add feo as expropriate)	NOT 427 No.27 East
Extra Services & Fees (check box, add fee as appropriate)	
M Botum Basilot Grantonna	<b>D</b>
	Postmark Here
Adult Signature Regulated Delivery	1 201-7
	1 37.61
Postage s 3.57 s 3.57 s 1.51 Postage and Fees partment of	3/2/17
& Environmental Protect	tion State
Frivironmenial Protect Roger & or Cheryl White	40.
Roger &/or Cheryl White  HC 84 Box 18	
Frametown, WV 26623	
PS Form 3800, April 2015 PSN 7530-02-000-9047	See Reverse for Instruction

WW-9 Rev. 5/08

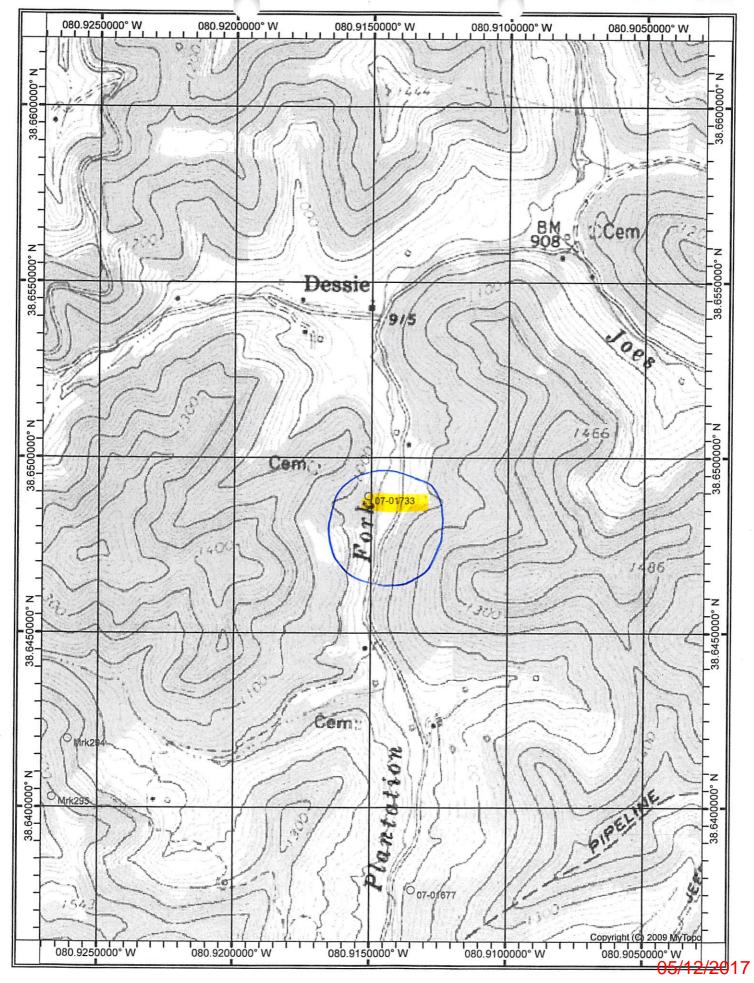
	Page _		of	
API Number 47 -	. 007	-	01733	
Operator's Well N	O. Duffield	, Lovey	3-S-245	

## 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

Operator Name Ross & Wharton (Mike R	oss Inc.) OP Code 305680
Watershed Plantation Fork of Steer Creel	Quadrangle Rosedale
Elevation 966 Cou	Braxton District Birch
Description of anticipated Pit Waste: Pluggir	ng Fluid
Will a synthetic liner be used in the pit? Yes	TO CONTAIN ANY WELL EFFLUENT AND IT WILL BE DISPOSED OF PROPERLY,
Proposed Disposal Method For Treated Pit Was  Mo Land Application	OFFS ITE.
Underground Injection	
Reuse (at API Numb	
	Supply form WW-9 for disposal location)
Proposed Work For Which Pit Will Be Used: Drilling	Swabbing
Workover Other (Explain	Plugging
on August 1, 2005, by the Office of Oil and Gas provisions of the permit are enforceable by law law or regulation can lead to enforcement action. I certify under penalty of law that I application form and all attachments thereto obtaining the information, I believe that the i penalties for submitting false information, inclu.  Company Official Signature	nave personally examined and am familiar with the information submitted on this and that, based on my inquiry of those individuals immediately responsible for information is true, accurate, and complete. I am aware that there are significant ding the possibility of fine or imprisonment.
Company Official Title President	
Company Official Title President	
Subscribed and sworn before me this 16th	day of February
Brende	day of February  , 20 17 Office of Oil and Gas  Notory Public  Notory Public
My commission expires September 2	NOTARY BURLLE

LEGEND		
Property Boundary	Diversion (1997)	
Road = = = = = = = = = = = = = = = = = = =	Spring -	
Existing Fence — X — X — X —	Wet Spot	
Planned Fence / / /	Drain Pipe with size in inches (3)	
Stream	Waterway $\longleftrightarrow$ $\longleftrightarrow$ $\longleftrightarrow$	
Open Ditch ————————————————————————————————————	Cross Drain	
Rock 536 556	Artificial Filter Strip XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
North N	Pit: cut walls	
Buildings	Pit: compacted fill walls	
Water wells W	Area for Land Application of Pit Waste	
Drill site		
Proposed Revegetation Treatment: Acres Disturbed 1 Acres  Lime 2 Tons/acre or to correct to pH  Fertilizer (10-20-20 or equivalent) 50% lbs/a	rievegetation pri	
	,	
MulchTons/acc	re	
Seed	Mixtures	
Area I Seed Type lbs/acre Fescue	Area II Seed Type lbs/acre	
Contractors Mix		
<del></del>	<del></del>	
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:		
Comments:	Offic RECEI	
	of Oil	
Title: President	Date: February 16, 2017  Environmental Protection	
Field Reviewed? ( ) Yes (	) No Convironment	
	- "I'll of	
	o dection	
	05/12/2017	





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

WEL	L LOCATION FORM: G	PS
API: 47-007-01733	3 WELL NO.	.:3-S-245
FARM NAME: Duffield		
RESPONSIBLE PARTY N	AME: Mike Ross	
COUNTY: Braxton	DISTRICT:	3irch
QUADRANGLE: Rose	dale	
SURFACE OWNER: RO	ger White &/or Cheryl	
ROYALTY OWNER:Ann	a J. Williams Et. AL.	
UTM GPS NORTHING: 4	277823.6	
UTM GPS EASTING: 5	07387.8 GPS ELEVA	ATION: 966
preparing a new well location above well. The Office of Oil the following requirements:  1. Datum: NAD 1983 height above mean 2. Accuracy to Datum 3. Data Collection Me		d API number on the lates that do not meet
	Real-Time Differential	
Mapping Grade GPS	: Post Processed Differential	
	Real-Time Differential	
the undersigned, hereby certi-	the topography map showing the fifth this data is correct to the best of mation required by law and the regular and Gas.	v knowledge and
Mileton	President	April 1, 2014
Signature	Title	Date