

### 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 21, 2015

## WELL WORK PLUGGING PERMIT

#### Plugging

This permit, API Well Number: 47-2103142, issued to EQT PRODUCTION COMPANY, 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: 7245

Farm Name: MILES

API Well Number: 47-2103142

Permit Type: Plugging

Date Issued: 04/21/2015

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. <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.

Form WW-4 (B) Permit Copy (Rev 2/01) 

 Date:
 3-4-15

 Operator's Well
 607245 C.H. Miles 7245

 API Well No.:
 47
 021 - 03142

	STATE OF WEST VIRGINIA
	DIVISION OF ENVIRONMENTAL PROTECTION
	OFFICE OF OIL AND GAS
41	APPLICATION FOR A PERMIT TO PLUG AND ABANDON
4)	Well Type: Oil GasX Liquid Injection Waste Disposal:
	If Gas, Production X Or Underground storage Deep Shallow X
5)	Elevation: 1,004 FT Watershed: Messenger Run of Stewarts Ck of Little Kanawha River
υ,	Location: Glenville County: Gilmer Quadrangle: Glenville 7.5' District:
6)	EQT Production Company 7) Designated Agent: Rex C. Ray
•	Well Operator 120 Professional Place Address: 120 Professional Place
	Address: Bridgeport, WV 26330 Bridgeport, WV 26330
8)	9) Plugging Contractor:
•	Oil & Gas Bryan Harris Name: HydroCarbon Well Service
	Name: P.O. Box 157 Address: PO BOX 995
	Address: Volga, WV 26238 Buckhannon, WV 26201
	OFFICE USE ONLY
	Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.    Duty   Date   Z -   7 -   5

04/24/2015

#### PLUGGING PROGNOSIS -Weston

# Miles, C.H. #7245 (607245)

GILMER, Co, WV API # 47-021-03142 District Glenville

BY: Craig Duckworth DATE: 2/19/15

# RECEIVED Office of Oil and Gas

MAR 1 0 2015

WV Department of Environmental Protection

#### **CURRENT STATUS:**

10" csg

@ 140'

8 1/4" csg

@ 775'

6 5/8"csg

@ 1581'

3" tbg

@ 137'

2" tbg

@ 1613' (packer @ 1613')

# TD @ 1750'

Fresh Water @ None reported

Salt Water @ None reported

1st Salt Sand @ 1410'

Coal @ 840'-845'

Gas shows @ Rosedale Gas Sand @1332'; Salt Sand @ 1362'; Maxton @ 1373'; Big Injun @ 1738'

Oil Shows @ None Reported Stimulation: Fractured

Elevation: 1004'

- 1. Notify State Inspector, Bryan Harris 304-553-6087, 24 hrs. Prior to commencing operations.
- 2. Attempt to pull 2" tbg if unable to pull cut 2" tbg off at packer @ 1613' TOOH w/2" tbg
- Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 2"& 6 5/8" cut. Do not omit any plugs
- TIH w/ tbg @ 1750'; Set 220' C1A Cement Plug @ 1750' to 1530' (Big Injun @ 1738' & 6 5/8" csg @ 1581') TOOH w/6 5/8"csg
- 5. TIH w/ tbg @ 1530; gel hole @ 1530' to 1410'.
- TOOH w/ tbg @ 1410'; Set 100' C1A Cement Plug @ 1410' to 1310'( Salt Sand @ 1410 , Maxon @ 1373 & Rosedale Gas Sand @ 1332')
- 7. TOOH w/ tbg @ 1310; gel hole @ 1310' to 1004'.
- 8. TOOH w/ tbg @ 1004'; Set 300' C1A Cement Plug @ 1004' to 704' ( Elevation @ 1004' , Coal @ 840'-845' & 8 ¼"@ 775') TOOH w/8 ¼"csg
- Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 8 1/4" cut. Do not omit any plugs
- 10. TIH w/ tbg @ 704'; gel hole @ 704' to 200'
- 11. TOOH w/ tbg @ 200'; Set 200' C1A Cement Plug @ 200' to 0 (Surface & 10"csg @ 140')
- 12. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 10" cut. Do not omit any plugs.
- 12. Top off as needed
- 13. Set Monument to WV-DEP Specifications
- 14. Reclaim Location & Road to WV-DEP Specifications

ATTEMPTTO CUT ! PULL ALL CASING.

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WW-4-A
Revised 6/07

RECEIVED Office of Oil and Gas

1)	Date:	3-4-15
2)	Operator	s Well Number

607245 C.H. Miles 7245

3) API Well No .:

47 021 State County 03142 Permit

MAR 1 0 2015

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT DWISION OFFICE OF OIL & GAS EnvironNOTICE AND APPLICATION TO PLUG AND ABANDON WELL

4)	Surface Owner(s	s) to be served:	5) (a) Coal	Operator:
	(a) Name	Benny McCune /	Name	None
	Address	77 Messenger Run	Address	
		Glenville, WV 26351		
	(b) Name		(b) Coal Ow	ner(s) with Declaration
	Address		Name	I.L. Morris
				P.O. Box 397
			Address	Glenville, WV 26351
	(c) Name		Name	Ernest L. Arbuckle Family Trust
	Address		Address	C/O Security National Trust Co.
		( <del></del>		1300 Chapline Street.
				Wheeling, WV 26003
6)	Inspector	Bryan Harris	(c) Coal Les	see with Declaration
	Address	P.O. Box 157	Name	None
		Volga, WV 26238	Address	
	Telephone	(304)-553-6087		

#### 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 Division 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:		EQT Production Company
OFFICIAL SEAL EY:		Victoria J.Roark
STATE OF WEST VIRGINIA IS:		Permitting Supervisor
Pamela Sykes Address:		PO Box 280
EOT Production PO Box 280		Bridgeport, WV 26330
Bridgeport, WV 26330 Helephone:		(304) 848-0076
Subscribed and sworn before me this	4	day of March , 2015
anfalp		Notary Public
My Commission Expires:	8	8-24-20

The Office of Oil & Gas processes your personal information, such as name, address and phone number, as 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 depprivacyofficer@wv.gov.

STATE OF WEST VIRGINIA

STATE OF WEST VIRGINIA

ROTARY PUBLIC

Pamela Sykes

EQT Production

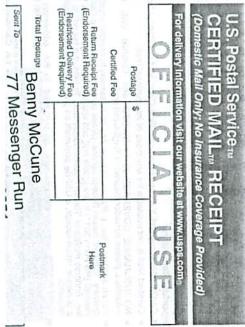
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My Commission Explica Aug 24, 2022

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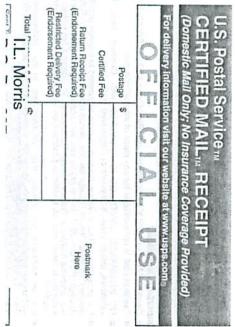
WV Department of Environmental Protection

Benny McCune 77 Messenger Run Glenville, WV 26351

607245 Plugging

CERTIFIED MAIL.

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ZIP 26330 041L10228892

I.L. Morris P.O. Box 397 Glenville, WV 26351

607245 Plugging

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Office of Oil and Gas

MAR 1 0 2015

WV Department of Environmental Protection GERTIFIED MAIL

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U.S. Postal Service TIA
CERTIFIED MAILTE RECEIPT
(Domestic Mall Only; No Insurance Coverage Provided)
For delivery Information visit our website at www.usps.com.

Postage
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Postage

Certified Fee
Return Receipt Fee (Endorsement Required)

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Sent To
C/O Security National Trust Co.

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ZIP 26330 041L10228892

Ernest L. Arbuckle Family Trust C/O Security National Trust Co. 1300 Chapline Street. Wheeling, WV 26003

RECEIVED
Office of Oil and Gas

MAR 1 0 2015

WV Department of Environmental Protection

# RECEIVED WW-9 Office of Oil and Gas Revised 2/03

MAR 1 0,2015

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WV Department of Environmental Protection

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Nam	ne: EQT PRODUCT	ION COMPAN	Υ	OP ID:	
Watershed:	Messenger Run of Stev				Glenville 7.5'
Elevation:	1,004 FT	County:	Gilmer	District:	Glenville
Description of	anticipated Pit Waste:			Formation Fluids	
	pate using more than 5,0 liner be used in the pit?	00 bbls of wate	er to complete the Is so, wha		Yes No_X
Proposed Disp	Reuse (at AF Offsite Dispo	tion Injection - UIC I Number) sal Permit #.	Permit Number		
	Other: Explaim anticipated for this we bil based, what type? Sy e used?	II? Air, freshwa			i i
If le	disposal method? Leave eft in pit and plan to solidify ndfill or offsite name/permit	what medium w			
issued on Aug understand the permit and/or I certify under application for for obtaining the	gust 1, 2005, by the Office at the provisions of the pother applicable law or ropenalty of law that I have mand all attachments the	e of Oil and Ga permit are enfor egulation can le e personally ex nereto and that that the inform	as of the West Virg rceable by law. Vi ead to enforcement camined and am fa , based on my inquation is true, accu	ginia Division of Envir olations of any terms nt action. amiliar with the inform uiry of those individua rate and complete.	or condition of the gener lation submitted on this als immediately responsib am aware that there are
Company	Official Signature		Tuo	1/	
Company	Official (Typed or Pri	nted) Vict	oria Roark		
Company	Official Title	Permitt	ting Supervisor-V	VV	
	d and sworn before me t	- //	day of	March	,2015
My Commi	ission Expires	8.	24.22	Notary FM	OFFICIA STATE OF WES

COFFICIAL SEAL
STATE OF WEST VIRGINIA
ROTARY PUBLIC
Paintel Sykes
FOT Production
PO 80x 280
Bridgeport, WY 26330
My Commission Expires Aug. 24, 2022

			OPERATOR'S	
	LEG	END -	607245 C.F	I. Miles 7245
Property Boundary	~ A ~ A	Diversion	/////	
		Spring	Wet Spot	
Road	(	<b>&gt;</b> →	- <b>&amp;</b> -	
Planned Fence	Drain Pipe wi	ith size in inches	Water Wa	ay
_/_/_/		€	C-> C-	→
Existing Fence	Stream	2 ~ 2	Cross Drain	1
— <del>X X X X</del> —	/ W W			7.7.7
Open Ditch	Artificial F		Rock	
	- <u>XX</u>	XX	8500	
North	Building	Water well	Drill site	
N	<b>同</b> 定等	W	$\oplus$	
Pit with Cut Walls	Pit with Comp	acted Walls Area	of Land Application	of Pit Wast
rit with out wans	1 it with comple	deled Walls Alea	or Land Application	- OFFIC Wast
Curring	5	$\rightarrow$		$\ni$
Lime3Ton Fertilizer (10-20-20) or equ Mulch2Ton	Cilian dillanda	1/3 ton	lbs/acre (500	lbs minimum
	SEED MIXTUR	RES		
Area I			Area II	
Seed Type	lbs/acre	Seed Type		lbs/acre
Red Fescue	40	Red Fescue		15
Alsike Clover	5	Alsike Clover		5
Annual Rye	15			
ATTACH: Drawing(s) of road, location, Photocopies section of involv Plan approved by:				
Comments:	/			
Title: 01 4 (965) Field Reviewed?	Inspediok Ves No	Date: 3-17-1	5	_

Glenville 7.5' 1 " = 2000' Topo Quad: Scale: Gilmer February 17, 2015 Date: County: Glenville Project No: 25-19-00-07 District: Торо 47-021-03142 WV 607245 (C. H. Miles #7245) Gos Well RECEIVED Office of Oil and Gas 47-021-03142 WV 607245 Baldwin MAR 1 0 2015 Messenger Cem WV Department o Baldwin Environmental Protection NAD 27, South Zone N: 719096.25 E: 2067582.97 WGS 84 LAT: 38.974604 Stewart LONG: -80.762124 ELEV: 1003.86 PREPARED FOR: SURVEYING AND MAPPING SERVICES PERFORMED BY: ALLEGHENY SURVEYS, INC. **EQT Production Company** 1-800-482-8606 P.O. Box 280 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608 Bridgeport, WV 26330

04/24/2015



#### POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
LEASE NAME AND WELL No. C. H. Miles #7245 - WV 607245 - API No. 47-021-03142
.

#### POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 607245.

RECEIVED
Office of Oil and Gas

MAR 1 0,2015

WV Department of Environmental Protection

237 Birch River Road Birch River, WV 26610

phone: 304-649-8606 fax: 304-649-8608

BIRCH RIVER OFFICE | BRIDGEPORT OFFICE |

172 Thompson Drive Bridgeport, WV 26330 phone: 304-848-5035 fax: 304-848-5037 CALDWELL OFFICE

212 Cumberland Street Caldwell, OH 43724 phone: 740-305-5007 fax: 740-305-5126 ALUM CREEK OFFICE

PO. Box 108 • 1413 Childress Rd Alum Creek, WV 25003 phone: 304-756-2949 fux: 304-756-2948 RANSON OFFICE

401 South Fairfax Blvd, Suite 3 Ranson, WV 25438 phone: 304-724-5008 fax: 304-724-5010

Glenville 7.5' Topo Quad: 1 " = 2000' Scale: February 17, 2015 Gilmer Date: County: Glenville 25-19-00-07 Project No: District: Water 47-021-03142 WV 607245 (C. H. Miles #7245) No Potential Water Sources within 1000' 47-021-03142 RECEIVED Baldwin WV 607245 Office of Oil and Gas Baldwin MAR 1 0 2015 WV Department of Environmental Protection NAD 27, South Zone N: 719096.25 Stewart E: 2067582.97 **WGS 84** LAT: 38.974604 LONG: -80.762124 ELEV: 1003.86 PREPARED FOR: SURVEYING AND MAPPING SERVICES PERFORMED BY: ALLEGHENY SURVEYS, INC. **EQT Production Company** 1-800-482-8606 237 Birch River Road P.O. Box 280 Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608 Bridgeport, WV 26330



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

API: 47-021-03142 WELL NO.: WV 607245 (C. H. Miles #7245)
FARM NAME: Miles
RESPONSIBLE PARTY NAME: EQT Production Company .
COUNTY: Gilmer DISTRICT: Glenville .
QUADRANGLE:Glenville 7.5'
SURFACE OWNER: Benny F. McCune .
ROYALTY OWNER: Ernest L. Arbuckle Family Trust, et al.
UTM GPS NORTHING: 4313985
UTM GPS EASTING: 520605 . GPS ELEVATION: 306 m (1004 ft) .
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 South, 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 _X : Post Processed Differential _X Real-Time Differential _X Real-Time Differential _X 1. 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.
Signature   PS # 2180   2/18/15     Signature   Title   Date

WV Department of