

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, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-2101436, 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: 154821 (Burke Well # 1-W122)

Farm Name: BURK, CLIFFORD B.

API Well Number: 47-2101436

Permit Type: Plugging
Date Issued: 04/22/2014

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.

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

 Date:
 3-/7-/9

 Operator's Well
 154821 (Burk Well # 1-W122)

 API Well No.:
 47 021 - 01436

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

41		APPLICATION	I FOR A PEI	RMIT TO PLUG AI	ND ABANDON	
4)	Well Type: Oil	i Gas	X Li	quid Injection	Waste Dispo	sal:
	If Gas, Productio			ound storage	Deep	
	-		_			
5)		evation: 1104'	-		Creek of Little Kanawh	
	Location:	Center	County:	Gilmer	Quadrangle:	Cedarville 7.5'
٥,	District:	EQT Production Co	maaau	7) Designat	ed Agent: Rex C	: Ray
6)	Well Operator	120 Professional Pl		_ Address:	<u> </u>	
	Address:	Bridgeport, WV 263			Bridgeport, WV	
٠,	/.ddi 055.	<u> </u>		- 9) Plugging		
8)	Oil & Gas Bryan	. Harrie		9) Plugging Name:	HydroCarbon Well S	Service
		Box 157		_	PO BOX 995	3017.00
	Address: Volga			_	Buckhannon, WV 2	26201
			<u> </u>			
_			OFFIC	E USE ONLY		
***************************************		it be given to the distr	rict oil and gas	inspector 24 hours	before permitted work Date	can commence.

PLUGGING PROGNOSIS - Weston

Burk, Clifford #1 (154821)

GILMER, Co. WV API # 47-021-01436 Center District

Craig Duckworth BY:

DATE: 12/10/13

CURRENT STATUS:

10" csg

@ 104'

8 1/4" csg

@ 600' (pulled)

6 5/8"csg

@ 1131' (pulled)

4 1/2" csg

@ 2143' (60sks. Cemented)

TD (a 2150)

Fresh Water @ 40', 90', 110'

Salt Water @ None reported

1st Salt Sand @ 1483'

Coal @ 90', 438

Gas shows @ 1837' Blue Monday & 1515' 1st Salt Sand

Oil Shows @ 2012', 1955, & 1515'

Stimulation: None reported

- 1. Notify State Inspector, Bryon Harris 304-553-6087, 24 hrs. Prior to commencing operations.
- 2. TIH w/ tbg @ 2143'; Set 400' C1A Cement Plug @ 2143' to 1743' (gas show@ 1837' Blue Monday)
- 3. TOOH w/tbg @ 2143'; attempt to pull 4 1/2" csg if unable to pull free point & cut at free point.
- 4. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 4 1/2" cut. Do not omit any plugs
- TOOH w/ tbg @1743 '; gel hole @ 1743' to 1515'.
- 6. TOOH w/ tbg @ 1515'; Set 100' C1A Cement Plug @ 1515' to 1415'(Salt Sand @ 1483' & Gas & Oil Show @ 1515')
- 7. TOOH w/ tbg @1415 '; gel hole @ 1415' to 1131'.
- 8. TOOH w/ tbg @ 1131'; Set 100' C1A Cement Plug @ 1131' to 1031'(6 5/8" csg @ 1131')
- 9. TOOH w/ tbg @ 1031 '; gel hole @ 1031' to 600'
- 10. TOOH w/ tbg @ 600'; Set 100' CIA Cement Plug @ 600' to 500' (8 1/4" csg @ 600') COME @ 438 442
- 11. TOOH w/ tbg @ 500; gel hole @ 500' to 200'
- 12. TOOH w/ tbg @ 200'; Set 200' C1A Cement Plug @ 200' to 0'(10" csg @ 104')
- 13. Top off as needed
- 14. Set Monument to WV-DEP Specifications
- 15. Reclaim Location & Road to WV-DEP Specifications



Received

MAR 1 9 2014



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION / 2

G1	enville		OIL AND	AS DIVISION	2		
CT.	L-1436		WELL	RECORD		Oll ne (Gas Well_ Gas
Permit No						011 01	(KIND)
-ottibani i			no.	Casing and	Used in	Left in	Packers
	e Levy, W. V			Tubing	Drilling	Well	Packets
Farm Clifford	d B. Burk	-	Acres 90				
Location (waters)	Big Bull	Run		Size			
Well No. 1		500	Elev. 865	16			Kind of Packer
			mer	13	-		
The surface of tra	ct is owned in .	fee by		10	1041	104 +	Size of
		ddress	27.07	81/4	6001	0	
Mineral rights are	e owned by	Clifford B.	Burke	614 711	1131'	0	Depth set
			ville, W. Va.	6 3/16			
Drilling commence		: 29, 1962		3c 43"	1	21431	Perf, top
Orilling completed		r 1, 1962		2			Perf. bottom
Date Shot	From		·o	Liners Used			Perf. top
With			- 6				Perf. bottom
			Inch	-			
			Inch	CASING CEN	PATED 4	grap 600	No. Ft 9/30/62 Date
Volume		110,000	Cu. Ft.	60 sks.		DOWE	
Rock Pressure		lbs	24 hrs.	W 8381 C			
011			_bbls., 1st 24 hrs.				FEET 2 INCHES
WELL ACIDIZEI	D			FEE	TINC	HES	FEETINCHES
				FEE'	TINC	HES	FEETINCHES
WELL FRACTUI	RED_ 10/5/6	2 River Fr	ac with 51,50	O Gal. Water	and 80,000	O lbs. sen	d
ROCK PRESSUR			essed to two s				
ROCK PRESSUR Fresh Water	E AFTER TRI	Feet	650 lbs	24 hra Salt Water	Oll. Gas	Pe	et
ROCK PRESSUR		EATMENTFeet		24 hrs.		- 9	et
ROCK PRESSUR Fresh Water Formation	E AFTER TRI	Feet	650 lbs	24 hra Salt Water	Oil, Gas or Water	Pe	et
ROCK PRESSUR Fresh Water Formation Soil Clay	E AFTER TRI	Feet	Top 0 3	Salt Water Bottom 3 17	Oll. Gas	Pe	et
Fresh Water Formation Soil Clay Sand	E AFTER TRI	Feet	Top 0 3 17	Bottom 3 17 24	Oil, Gas or Water	Pe	et
Formation Formation Soil Clay Sand Slate	E AFTER TRI	Feet	Top 0 3 17 24	Bottom 3 17 24 35	Oll, Gas or Water	Pe	Remarks
Fresh Water Formation Soil Clay Sand Slate Sand	E AFTER TRI	Feet	Top 0 17 24 35	Bottom 3 17 24 35 75	Oil, Gas or Water	Pe Depth	Remarks
Fresh Water Formation Soil Olay Sand State Sand Slate	E AFTER TRI	Feet	Top 0 17 24 35 75	Bottom 3 17 24 35 75 90	Oll, Gas or Water	Pe	Remarks
Fresh Water Formation Soil Clay Sand Slate Sand Slate Coal	E AFTER TRI	Feet	Top 0 3 17 24 35 75 90	Bottom 3 17 24 35 75 90 92	Oil, Gas or Water	Per Depth 4	Remarks
Formation Formation Soil Clay Sand Slate Slate Coal Sand Slate State	E AFTER TRI	Feet	Top 0 17 24 35 75	Bottom 3 17 24 35 75 90	Oll, Gas or Water	Pe Depth	Remarks
Formation Formation Soil Clay Gand Slate Sand Slate Coal Coal Coal Coal Coal Coal Coal Coal	E AFTER TRI	Feet	Top 0 3 17 24 35 75 90 92	Bottom 3 17 24 35 75 90 92 185	Oil, Gas or Water	Per Depth 4 9 9 11	Remarks 0 0 0 2 bb1. per hr.
Fresh Water— Formation Soil Clay Sand Slate Sand Slate Soand Slate Coal State Red Rock Sand	E AFTER TRI	Feet	Top 1 0 3 17 24 35 75 90 92 185	Bottom 3 17 24 35 75 90 92 185 200	Oil, Gas or Water	Per Depth 4	Remarks 0 0 0 2 bb1. per hr.
Fresh Water Formation Soil Clay Sand Slate Sand Slate Coal Sand Slate Red Rock Sand Red Rock	E AFTER TRI	Feet	Top Top 0 3 17 24 35 75 90 92 185 200 248 275	Bottom Bottom 3 17 24 35 75 90 92 185 200 248 275 350	Oil, Gas or Water	Per Depth 4 9 9 11	Remarks 0 0 0 2 bb1. per hr.
Formation Formation Formation Soil Dlay Sond Slate Sond Slate Coal Sand Slate Red Rock Sand Red Rock Lime	E AFTER TRI	Feet	Top Top 0 3 17 24 35 75 90 92 185 200 248 275 350	Bottom 3 17 24 35 75 90 92 185 200 248 275 350 385	Oil, Gas or Water	Per Depth 4 9 9 11	Remarks 0 0 0 2 bb1. per hr.
Formation Formation Soil Slate Sand Slate Sand Slate Sand Slate Red Rock Sand Red Rock Red Rock	E AFTER TRI	Feet	Top Top 0 3 17 24 35 75 90 92 185 200 248 275 350 385	Bottom 3 17 24 35 75 90 92 185 200 248 275 350 385 415	Oil, Gas or Water	Per Depth 4 9 9 11	Remarks 0 0 0 2 bb1. per hr.
Formation Formation Soil Clay Sand Slate Red Rock Sand Red Rock Sand Red Rock Sand Red Rock Lime Red Rock Lime	E AFTER TRI	Feet	Top Top O 3 17 24 35 75 90 92 185 200 248 275 350 585 415	Bottom 3 17 24 35 75 90 92 185 200 248 275 350 385 415 435	Oil, Gas or Water	Per Depth 4 9 9 11	Remarks 0 0 0 2 bb1. per hr.
Formation Formation Soil Clay Sand Slate Sand Slate Sand Slate Sand Slate Red Rock Sand Red Rock Jimo Red Rock Jimo Slate	E AFTER TRI	Feet	Top Top 0 3 17 24 35 75 90 92 185 200 248 275 350 385	Bottom 3 17 24 35 75 90 92 185 200 248 275 350 385 415 438	Oil, Gas or Water	Per Depth 4 9 9 11	Remarks 0 0 0 2 bb1. per hr.
Formation Formation Formation Soil Clay Sand Slate Sand Slate Sand Slate Sand Slate Red Rock Sand Red Rock Lime Rod Rock	E AFTER TRI	Feet	Top Top Top Top Top Top Top Top	Bottom 3 17 24 35 75 90 92 185 200 248 275 350 385 415 435	Oil, Gas or Water	Per Depth 4 9 9 11	Remarks 0 0 0 2 bb1. per hr.
Formation Formation Soil Soil State Sand Slate Sand Slate Sand Slate Coal Sinte Red Rock Sand Red Rock Lime Red Rock Lime Rod Rock Lime Slate Slate Solute Slate Solute Slate Solute Slate Solute Slate Solute	E AFTER TRI	Feet	Top Top O 3 17 24 35 75 90 92 185 200 248 275 350 385 415 436 438	Bottom Bottom 3 17 24 35 75 90 92 185 200 248 275 350 385 415 435 438 442	Oil, Gas or Water	Per Depth 4 9 9 11	Remarks 0 0 0 2 bb1. per hr.
Formation Formation Soil Clay Sand Slate Sond Slate Sond Slate Red Rock Sand Red Rock Lime Red Rock Lime Rad Rock Lime Slate Sand Slate Rock Lime Slate Slate Slate Slate Slate Slate Slate Sond Slate Slate Slate Slate Slate Slate Slate	E AFTER TRI	Feet	Top Top O 3 17 24 35 75 90 92 185 200 248 275 350 385 415 436 438 442	Bottom Bottom 3 17 24 35 75 90 92 185 200 248 275 350 385 415 438 442 490	Oil, Gas or Water	Per Depth 4 9 9 11	Remarks 0 0 0 2 bb1. per hr.
Formation Formation Soil Clay Sand Slate Sand Slate Coal Slate Red Rock Sand Slate Red Rock Lime Lime Slate Slate Slate Slate Slate Lime Slate Slate Slate Slate Lime Slate Lire	E AFTER TRI	Feet	Top Top O 3 17 24 35 75 90 92 185 200 248 275 350 385 415 436 438 442 490 515 525	Bottom 3 17 24 35 75 90 92 185 200 248 275 350 385 415 435 438 442 450 515	Oil, Gas or Water	Per Depth 4 9 9 11	Remarks 0 0 0 2 bb1. per hr.
Formation Formation Soil Clay Sand Slate Sand Slate Sand Slate Red Rock Sand Red Rock Jime Slate Solute Jime Slate Sand Slate	E AFTER TRI	Feet	Top Top O 3 17 24 35 75 90 92 185 200 248 275 350 385 415 436 438 442 490 515 525 350	Bottom Bottom 3 17 24 35 75 90 92 185 200 248 275 350 385 415 438 442 490 515 525 550 575	Oil, Gas or Water	Per Depth 4 9 9 11	Remarks 0 0 0 2 bb1. per hr.
Formation Formation Formation Soil Clay Sand Slate Sond Slate Coal Sand Slate Red Rock Sand Red Rock Sand Slate Lime Rod Rock Lime Solate Lime Slate Slate Lime Slate Slate Lime Lime Lime Lime Lime Lime Lime Lim	E AFTER TRI	Feet	Top Top O 3 17 24 35 75 90 92 185 200 248 275 350 385 415 436 438 442 490 515 525 350 575	Bottom Bottom 3 17 24 35 75 90 92 185 200 248 275 350 385 415 435 438 442 490 516 525 550 575 620	Oil, Gas or Water	Per Depth 4 9 9 11	Remarks 0 0 0 2 bb1. per hr.
Formation Formation Formation Soil Clay Sand Slate Sand Slate Coal Sinte Red Rock Sand Red Rock Lime Red Rock Lime State Lime State Sand Slate Lime State	E AFTER TRI	Feet	Top Top 0 3 17 24 35 75 90 92 185 200 248 275 350 385 415 436 438 442 490 515 525 550 575 620	Bottom 3 17 24 35 75 90 92 185 200 248 275 350 385 415 435 438 442 490 515 525 550 575 620 644	Oil, Gas or Water	Per Depth 4 9 9 11	Remarks 0 0 0 2 bb1. per hr.
Formation Formation Soil Clay Sand Slate Sand Slate Coal Sand Slate Red Rock Sand Red Rock Lime Rod Rock Lime Slate Slate Solute Lime Slate Solute Slate Solute Lime Slate Slate	E AFTER TRI	Feet	Top Top O 3 17 24 35 75 90 92 185 200 248 275 350 385 415 436 438 442 490 515 525 550 645	Bottom Salt Water Bottom 3 17 24 35 75 90 92 185 200 248 275 350 385 415 435 438 442 490 515 525 550 575 620 621 755	Oil, Gas or Water	Per Depth 4 9 9 11	Remarks 0 0 0 2 bb1. per hr.
Formation Formation Soil Clay Sand Slate Sand Slate Coal Sand Slate Red Rock Sand Fed Rock Lime Slate Sond Lime Slate Lime Slate State Lime Slate Sand Slate Sond Slate Lime Slate Sand Slate Sinte Sond Slate Lime Slate Sinte Lime Slate Sinte Lime Slate Sand Slate Lime Slate Lime Slate Lime Slate Sinte	E AFTER TRI	Feet	Top O 3 17 24 35 75 90 92 185 200 248 275 350 385 415 436 442 490 515 525 350 575 620 645 735	Bottom Salt Water Bottom 3 17 24 35 75 90 92 185 200 248 275 350 385 415 435 438 442 490 515 525 550 576 620 641 775	Oil, Gas or Water	Per Depth 4 9 9 11	Remarks 0 0 0 2 bb1. per hr.
Formation Formation Soil Clay Sand Slate Sand Slate Coal Sand Slate Red Rock Lime Red Rock Lime Rod Rock Lime Slate Sinte Coal Lime Slate Sinte Coal Slate Lime Slate Sinte Sinte Coal Slate Lime Slate Sinte Lime Slate Sinte Lime Slate Lime	E AFTER TRI	Feet	Top Top O 3 17 24 35 75 90 92 185 200 248 275 350 385 415 436 438 442 490 515 525 550 645	Bottom Salt Water Bottom 3 17 24 35 75 90 92 185 200 248 275 350 385 415 435 438 442 490 515 525 550 575 620 621 755	Oil, Gas or Water	Per Depth 4 9 9 11	Remarks 0 0 0 2 bb1. per hr.

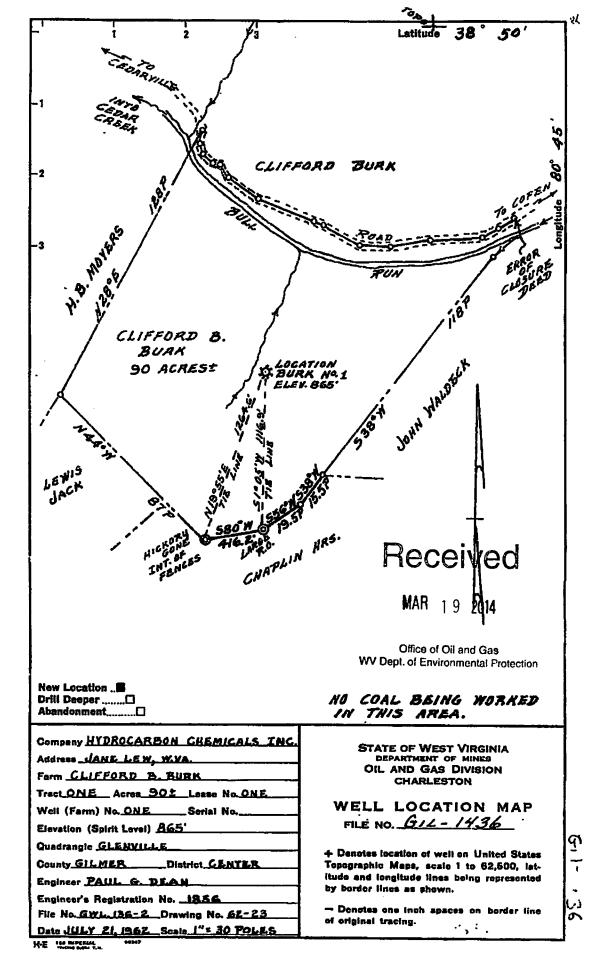
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MAR 19 2014

Formation	Color	Hard or					
Slato		Hard or Soft	Top 12	Bottom	Oil Gas or Water	Depth Found	Remarks
Lime]	980	1000			
Sand Slate Shell:			1010	1010 1077	ł		1
Gritty Limo		!	1077	1122	ļ	1	
Sand			1122 1178	1178	l		
Lime Slate			1215	1215 1270		1	
Lime			1270 1340	1340		ŀ	
lst Salt Sar Lime	ıd.		1488	1488 1570		1515-1524	
2nd Salt Sax	a		1570 1598	1893		1010-1955	Show of oil
Lime Rod Rock		1	1645	1645 1700			
l'exon		1	1700	1740			
Slote Little Lime			1740 1780	1780 1 1805	Į.	1765-1775	guon ot Gen
Slate Blue Monday			1805 1832	1832 1837			8. L. M. 1629
Pencil Big Lime		-	1837 1875 1880	1875 1880 1954			Show of gas 20/10 W in 20
Serd Slate TOTAL DEPTE	חפווופה		195 <u>4</u> 2090	2090 2148		1955-1960 2012-2016	Smell of oil
TOTAL PARTE	DVITTED	1		2150	Gas	2033	
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APPROVED	Ilydroc	arbon Ch	arionls,	Ire.	Owner	
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MAR 1 9 2014



WW-4-A	
Revised 6/07	

1)	Date:	3-1	7-10	1		
2)	Operator's Wel 154821 (Burk					
3)	API Well No.:	47	021	-	01436	
		State	County	9	Parmit	

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
NOTICE AND APPLICATION TO PLUG AND ABANDON WELL

Surface Owner(s	to be served:	San Assessment	5) (a) Coal	Operator:
(a) Name	Dorothy B. Rogers		Name	None
Address	1331 Imperial Road		Address	
	Colorado Springs, CO 80	918		
(b) Name	Delmas Harris	/	(b) Coal Ow	ner(s) with Declaration
Address	14764 Exchange R.d		Name	Dorothy B. Rogers
	Exchange, WV 26619			1331 Imperial Road
			Address	Colorado Springs, CO 80918
(c) Name	Christopher White	/	Name	
Address	14584 Exchange Road		Address	
	Exchange, WV 26619			
Inspector	Bryan Harris		(c) Coal Les	ssee with Declaration
Address	P.O. Box 157		Name	None
	Volga, WV 26238		Address	
Telephone	304-553-6087			
	(a) Name Address (b) Name Address (c) Name Address Inspector Address	Address 1331 Imperial Road Colorado Springs, CO 80 (b) Name Address Delmas Harris 14764 Exchange R.d Exchange, WV 26619 (c) Name Address Christopher White 14584 Exchange Road Exchange, WV 26619 Inspector Address Bryan Harris P.O. Box 157 Volga, WV 26238	(a) Name Address Dorothy B. Rogers Address 1331 Imperial Road Colorado Springs, CO 80918 (b) Name Delmas Harris Address 14764 Exchange R.d Exchange, WV 26619 (c) Name Christopher White Address 14584 Exchange Road Exchange, WV 26619 Inspector Bryan Harris Address P.O. Box 157 Volga, WV 26238	(a) Name Address Dorothy B. Rogers Name Address Address 1331 Imperial Road Address (b) Name Delmas Harris (b) Coal Ow Name Exchange R.d Address 14764 Exchange R.d Name Name Address (c) Name Address Name Address Inspector Address Bryan Harris Exchange Road Exchange Road Exchange Road Exchange Road Exchange Road Exchange Road Exchange Road Exchange Road Exchange Road Exchange Road Exchange Road Exchange Road Road Road Road Road Road Road Road

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.

OFFICIAL SIMell Operator:	EQT Production Company
STATE OF WEST VIRGINIA	Victoria J.Roark
Nicholas L. Bumdtscher	Permitting Supervisor
Rt. 1, Box Address: Liberty, WV 25124	PO Box 280
My Commission Expires July 27, 2018	Bridgeport, WV 26330
Emminimum Telephone=	(304) 848-0076
Subscribed and sworn before me this	day of MARCH . 2014
Wash 11	Notary Public Ceive
My Commission Expires: 6/27/2018	110001001

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 will 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.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. 	A. Signature X
Attach this card to the back of the mailpiece, or on the front if space permits.	B. Received by (Printed Name) C. Date of Deliver
Article Addressed to:	D. Is delivery address different from item 1? Yes
Dorothy B. Rogers	If YES, enter delivery address below:
Dorothy B. Rogers 1331 Imperial Rd. Colorado Springs, CO 80918 154821 plugging	3. Service Type □ Certified Mail® □ Priority Mail Express®
1331 Imperial Rd. Colorado Springs, CO 80918	3. Service Type Certified Mail® Priority Mail Express® Registered Return Receipt for Merchandise

C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

CERTIFIED MAIL.

CERTIFIED MAIL: RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

For delivery Information visit our website at www.usps.come

For delivery Information Visit our website at website at website at website at website at website at website at website at website at website at website at website at website at website at website at website at website at website at website at website at website at website at website at website at website at website at

Dorothy B. Rogers 1331 Imperial Rd. Colorado Springs, CO 80918

Received

MAR 19 2014

Officer of Oil and Givs.
WV Dept. . . .





C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

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COMPLETE THIS SECTION ON DELIVERY
A Signature X
B. Received by (Printed Name) C. Date of Deliver
D. Is delivery address different from item 1?
3. Service Type Certified Mail* Priority Mail Express* Registered Return Receipt for Merchandi
4. Restricted Delivery? (Extra Fee)

See Reverse for in	900	PS Form 3800, August 2			
ange Rd. VV 26619	Delmas 14764 Exch Exchange, V	of Intel of Intel of Intel of New York was On to	3013 EF	7013 263	
		(Endorsement Required)	HE I	10E	
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Delmas Harris 14764 Exchange Rd. Exchange, WV 26619 154821 plugging

Received

MAR 19 2014



SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DE	LIVERY
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse	A. Signature	☐ Agent
so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.	B. Received by (Printed Name)	C. Date of Delivery
1. Article Addressed to:	D, is delivery address different from item 1?	
Christopher White		
Christopher White 14584 Exchange Rd. Exchange, WV 26619 154821 plugging	3. Service Type □ Certified Mait* □ Priority M. □ Registered □ Return Re □ Insured Mail □ Collect on	ceipt for Merchandise
14584 Exchange Rd. V Exchange, WV 26619	☐ Certified Mail* ☐ Priority Mail ☐ Registered ☐ Return Re	ceipt for Merchandise

C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

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		s		E	FI	

Christopher White 14584 Exchange Rd. Exchange, WV 26619 154821 plugging

Received

MAR 19 2014

Office of Oil and Gas WV Dept. of Force



WW-9 Revised 2/03

Page of			
2) Operator's We	II Nu	mber	
154821 (Burk W	ell#	1-W122	2)
3) API Well No.:	47	021 -	01436

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

Watershed: _	Dull Due -1 O-1 O-1	of Little Venezules Disease	OP ID: _	Codewille 7.51
Tlauretians	Bull Run of Cedar Creek		Quadrangle:	Cedarville 7.5'
Elevation:	1104' Cour	nty: Gilmer	District:	Center
Description of a	nticipated Pit Waste:	-	Formation Fluids	
	te using more than 5,000 bb ner be used in the pit?		the proposed well work? what ml.?	Yes No <u>X</u>
Proposed Dispo	sal Method for Treated Pit	Wastes:		
	X Land Application			
	Underground Injec	tion - UIC Permit Number	er	
, E-	Reuse (at API Nur	nber)	- V <u>-</u>	
-	Offsite Disposal Pe	ermit #.		
	Other: Explain			
the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	anticipated for this well? A		etc.	
	based, what type? Synthet	ic, petroleum, etc.		
Additives to be				-
Will closed loop	system be used?			
	sposal method? Leave in pi	it. landfill, remove offsite	. etc.	
	in pit and plan to solidify what			
	fill or offsite name/permit numb			
22.40		-		
I certify that	understand and agree to the	ne terms and conditions	of the GENERAL WATER	R POLLUTION PERMIT
ssued on Augurnderstand that permit and/or of certify under properties of the correction form for obtaining the significant penal Company C	I understand and agree to the st 1, 2005, by the Office of Council the provisions of the permit ther applicable law or regulate enalty of law that I have permit and all attachments thereto information, I believe that I lities for submitting false information.	Dil and Gas of the West tare enforceable by law ation can lead to enforce sonally examined and at and that, based on my the information is true, a primation, including the position of the position of the position of the position.	Virginia Division of Environment action. In familiar with the information inquiry of those individual courate and complete. It is ossibility of fine or imprisonal impression in the information in the in	onmental Protection. I or condition of the general ation submitted on this ils immediately responsible am aware that there are
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<u>OPERATOR'S WELL NO.:</u> 154821 (Burk Well # 1-W122)

LEGEND

		Spring	Wet Spot	
Road		\circ	よ	
Planned Fence	Drain Pipe	e with size in inches	Water Way	
//_/		- ®	€ → € →	
Existing Fence	Stre	eam	Cross Drain	
Open Ditch		al Filter Strip	Rock 양승양	
		Water well	Drill site	
North N	Building	w water wen	⊕ Dilli site	
Pit with Cut Walls	Pit with Cor	mpacted Walls Are	a of Land Application of	Pit Wast
-	nent: Acres Disturbed:		ation pH 5	5.8
ime <u>3</u> To	ins/acre or to correct	to pH <u>6.5</u>	ation pH5 lbs/acre (500 lbs	
ime <u>3</u> To ertilizer (10-20-20) or ed	ins/acre or to correct	to pH <u>6.5</u> 1/3 ton		
ime <u>3</u> To ertilizer (10-20-20) or ed	ns/acre or to correct	to pH <u>6.5</u> 1/3 ton 1.	lbs/acre (500 lbs	
ime <u>3</u> To	ns/acre or to correct quivalent ns/acre or hydroseed	to pH 6.5 1/3 ton I. URES	lbs/acre (500 lbs	minimun
ime 3 To Fertilizer (10-20-20) or ed fulch 2 To	ns/acre or to correct quivalent ns/acre or hydroseed	to pH <u>6.5</u> 1/3 ton 1.	lbs/acre (500 lbs	
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ertilizer (10-20-20) or edulch To Area I Seed Type Y-31 Isike Clover Innual Rye ATTACH: Drawing(s) of road, location of invo	ns/acre or to correct quivalent sns/acre or hydroseed SEED MIXT Ibs/acre 40 5 15	to pH 6.5 1/3 ton I. URES Seed Typ Orchard Grass Alsike Clover	lbs/acre (500 lbs	minimur Ibs/acre
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ime <u>3</u> To Fertilizer (10-20-20) or ed Nulch <u>2</u> To	ns/acre or to correct quivalent sns/acre or hydroseed SEED MIXT Ibs/acre 40 5 15	to pH 6.5 1/3 ton I. URES Seed Typ Orchard Grass Alsike Clover	lbs/acre (500 lbs	minimur Ibs/acre

04/25/201

Topo Quad: Cedarville 7.5' 1 " = 2000' Scale: Gilmer February 19, 2014 County: Date: District: Center Project No: 25-19-00-07 Topo 47-021-01436 WV 154821 (Burk Well #1-W122) Compressor 47-021-01436 WV 154821 Flower Cedar Creek Rutherford-Jack Cem Received NAD 27, South Zone MAR 1.9 2014 N: 667,246.08 E: 2,060,379.54 WGS 84 Office of Oil and Gas LAT: 38.832293 WV Dept. of Environmental Protection LONG: -80.787877 ELEV: 1104.32 PREPARED FOR: SURVEYING AND MAPPING SERVICES PERFORMED BY: ALLEGHENY SURVEYS, INC. **EQT Production Company** 1-800-482-8606 P.O. BOX 438 BIRCH RIVER, WV 26610 P.O. Box 280 Bridgeport, WV 26330 PH: (304) 649-8606

WW-7 8-30-06



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

API: 47-021-01436 WELL NO.: WV 154821 (Burk Well #1-W122)

FARM NAME: Clifford B. Burk		
RESPONSIBLE PARTY NAME:EQ	OT Production Company	
COUNTY: Gilmer	DISTRICT: Center	
QUADRANGLE:Cedarville 7.5'		
SURFACE OWNER: Dorothy B. Rodge	rs	
ROYALTY OWNER: Dorothy B. Rod	lgers, et al.	
UTM GPS NORTHING: 4298188		
UTM GPS EASTING: 518411	GPS ELEVATION:	336 m (1104 ft)
The Responsible Party named above has of preparing a new well location plat for a plu above well. The Office of Oil and Gas will the following requirements: 1. Datum: NAD 1983, Zone: 17 None height above mean sea level (Most 2. Accuracy to Datum – 3.05 meters 3. Data Collection Method: Survey grade GPS: Post Processe Real-Time Down Mapping Grade GPS _X_: Post Processe Real-Time Down Mapping GPS _X_: Post Processe Real-Time Down Mapping GPS _X_: Post Processe Real-Time Down Mapping GPS _X_: Post Processe Real-Time Down Mapping GPS _X_: Post Processe Real-Time Down Mapping GPS _X_: Post Processe Real-Time Down Mapping GPS _X_: Post Processe Real-Time Down Mapping GPS _X_: Post Processe Real-Time Down Mapping GPS _X_: Post Processe Real-Time Down Mapping GPS _X_: Post Processe Real-T	agging permit or assigned not accept GPS coordin forth, Coordinate Units: 1 (SL) – meters. Ed Differential	d API number on the ates that do not meet meters, Altitude:
I the undersigned, hereby certify this data i belief and shows all the information requir prescribed by the Office of Oil and Gas.	s correct to the best of m	ly knowledge and
Stay O from	PS # 218	30
Signature 3/3/14	Title	MAR † 9 2014
Date		WV Dept. of the order Class
		04/25/2014

Cedarville 7.5' Topo Quad: Scale: 1 " = 2000' County: Gilmer Date: February 19, 2014 Center District: Project No: 25-19-00-07 Water 47-021-01436 WV 154821 (Burk Well #1-W122) No potential water wells within 1000' Compressor 47-021-01436 WV 154821 Cedar Creek Gas/Well a Jack Cem Received NAD 27, South Zone N: 667,246.08 E: 2,060,379.54 **WGS 84** MAR 19 2014 LAT: 38.832293 LONG: -80.787877 ELEV: 1104.32 Office of Oil and Gas WV Dept. of Environmental Protection SURVEYING AND MAPPING SERVICES PERFORMED BY: ALLEGHENY SURVEYS, INC. **EQT Production Company** 1-800-482-8606 P.O. BOX 438 BIRCH RIVER, WV 26610 P.O. Box 280 Bridgeport, WV 26330 PH: (304) 649-8606 FAX: (304) 649-8608 04/25/201



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY

LEASE NAME AND WELL No. Burk Well #1-W122 - WV 154821 - API No. 47-021-01436

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 154821.

Received

MAR 19 2014

Office of Oil and Gas
WV Dept. of Poor

BIRCH RIVER OFFICE PO. Box 438 * 237 Birch River Road Birch River, WV 26610 phone 304-649-8606 fux: 304-649-8608 BRIDGEPORT OFFICE 172 Thompson Drive Bridgeport, WV 26330 phane: 304-848-5035 fax: 304-848-5037 CALDWELL OFFICE 212 Cumberland Street Caldwell, OH 43724 phone: 740-305-5007 fux: 740-305-5126 ALUM CREEK OFFICE PO. Box 108 * 1413 Childress Road Alum Creek, WV 25003 phone: 304-756-2949 fix: 304-756-2948

WWW.ALLEGHENYSURVEYS.COM

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

3-17-14 Date: Operator's Well

Well No.

154821 (Burk Well # 1-W122)

API Well No .:

47 021 - 01436

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

			Well No.: 47 0		
	DIVISION OF ENVIR	WEST VIRGINIA ONMENTAL PR		CKI	127
APPI	LICATION FOR A PER	MIT TO PLUG A	ND ABANDON	10	
Well Type: Oil		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	Waste Dispo	Committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the commit	
If Gas, Production	X Or Undergrou	and storage	Deep	ShallowX	
Elevation:			Creek of Little Kanawh		
Location: Cente	er / County:	Gilmer	Quadrangle:	Cedarville 7.5' 285	
District:	duction Company	7) Designa	ted Agent: Rex C	. Rav	
	essional Place	Address	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		
Address: Bridgepo	rt, WV 26330		Bridgeport, WV 2	26330	
			Contractor:		
Oil & Gas Bryan Harris		Name:	HydroCarbon Well 5	Service	
Name: P.O. Box 157 Address: Volga, WV 2623	20	Address	: PO BOX 995 Buckhannon, WV 2	0001	
10.ga; 777 2020			244111411111111111111111111111111111111		
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