

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 05, 2013

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-2100522, 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: 607831 (FRASHURE #1)

Farm Name: JONES LAND & DEVELOPMENT

API Well Number: 47-2100522

Permit Type: Plugging
Date Issued: 12/05/2013

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.

Form WW-4 (B) Permit Copy (Rev 2/01) CK 16904

2100522 8

Date:

November 22, 2013

Operator's Well Well No.

607831 (Frashure #1)

API Well No.:

47 021 - 00522

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4)									
	Well Type: C	Oil	_ Gas _	X Li	quid Injection		Waste Disp	osal:	
	If Gas, Product	ion	X	Or Undergro	ound storage		Deep	Shallow	X
5)	E	Elevation:	968'	Watershed:	Jakes Run				
	Location:	Glenvil	le 03	County:	Gilmer	2	Quadrangle:	Gilmer 7.5	365
	District:								
6)		EQT Pro	duction Co	ompany	7) De	signate	ed Agent: Rex	C. Ray	
	Well Operator	120 Profe	essional P	I Place	Add	Address:	120 Profession	al Place	
	Address:	Bridgepo	rt, WV 263	330			Bridgeport, WV	26330	
8)					9) Plu	gging	Contractor:		
	Oil & Gas Bryan Harris			Na	me:	HydroCarbon Well	Service		
	Name: P.O. Box 157 Address: Volga, WV 26238			Address:	dress: PO BOX 995				
						Buckhannon, WV	26201		
_								***	

10) Work Order: The work order for the manner of plugging this well is as follows:

See Attachment for details and procedures.

Office of Oil and Gas

DEC 0 5 2013

WV Department

	OFFICE USE ONLY	×
rane at a constitue at an action	Part of the state	
lotification must be given to the	district oil and gas inspector 24 hours befor	e permitted work can commence
	k 4/ '	5 13 1/ /3
	Dusan Rum	Date 12- 4-/3

PLUGGING PROGNOSIS -Weston

Frasure #1 (607831)

GILMER, COUNY, WEST VIRGINIA API # 47-021-00522 Burnsville Quad

Craig Duckworth BY:

DATE: 9/12/13

CURRENT STATUS:

@ 154' 10" csg 8 1/4" csg @ 776' 6 5/8" csg @ 1698'

3" csg @ 1856' (Packer @ 1758')

TD @ 1856'

Fresh Water @ 63'-65'

Salt Water @ None reported

ELEV: 968'

1st Salt Sand @ 1202'

Coal @ 63'-65'

Gas shows @ Slate 1812', Big Injun 1783', 3RD Salt Sand 1439', 2nd Salt Sand 1298'

Oil Shows @ none reported

Stimulation: Shot @ 1811'-1824' (60qts.)

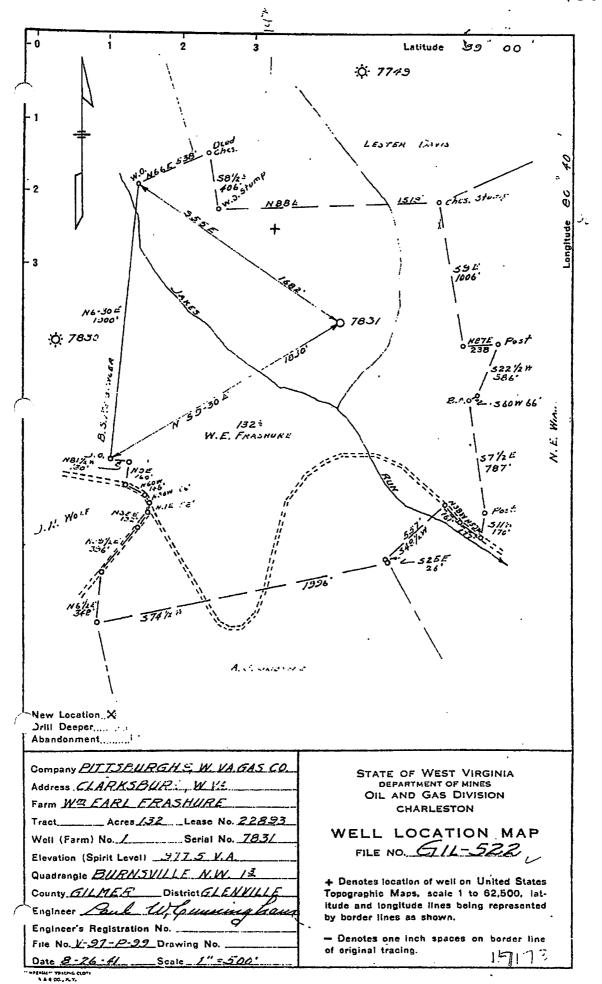
- 1. Notify State Inspector, Bryan Harris 304-553-6087, 24 hrs. Prior to commencing operations.
- 2. Attempt to pull 3" & packer (1856'). If unable to pull 3" cut at top of packer@ 1856' and pull 3"
- 3. TIH w/ tbg @ 1856'; Set 126' C1A Cement Plug @ 1856' to 1730' (gas show@ 1812 & Big Injun @ 1783')
- 4. TOOH w/ tbg @ 1730'; gel hole @ 1730' to 1648'.
- 5. TOOH w/ tbg, Free Point 6 5/8", cut 6 5/8" @ free point, TOOH w/ 6 5/8" csg
- 6. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 6 5/8" cut. Do not omit any plugs
- 7. TIH w/ tbg @ 1648'; Set 100' C1A Cement Plug @ 1648' to 1548'(6 5/8" cag @ 1698')
- 8. TOOH w/ tbg @ 6 5/8" 1648; gel hole @ 1548' to1439'
- 9. TOOH w/ tbg @ 1439'; Set 337' C1A Cement Plug @ 1439' to 1102'(Gas Shows @3rd Salt Sand 1439' & 2nd Salt Sand 1298' 1st Salt Sand 1202)
- 10. TOOH w/ tbg @ 1102'; gel hole @ 1102' to 826'.
- 11. Free point 8 1/4" @ 776. If unable to pull. Cut at free point
- 12. TOOH w/ tbg @ 826'; Set 100' C1A Cement Plug @ 826' to 726'(8 1/4" csg @ 776')
- 13. 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 MOV 2.5 2018
- 14. TIH w/ tbg @ 726' gel hole @ 726' to 200'.
- 15. TOOH w/ tbg @ 200'; Set 200' C1A Cement Plug @ 200' to Surface
- 16. Top off as needed
- 17. Set Monument to WV-DEP Specifications
- 18. Reclaim Location & Road to WV-DEP Specifications

Environmental Protestion

GEL IS FRESH WATER WITH AT LEAST 6000 BENTONITE.

WEST VIRGINIA DEPARTMENT OF MINES OIL & GAS DIVISION WELLRECORD

```
Permit No. Gil-522
                                                  Gas Well
Burnsville Quad.
Company
                    Pittsburgh & W. Va. Gas Co.,
                                                  Casing & Tubing
Address
                    Clarksburg, West Virginia
                                                   10
Farm
                    Wm. Earl Frasure et ux Acres 132
                                                  £3
                                                             776 776
                    Burns. N/W. 1-3
Location
                                                   6-5/8
                                                              1698 1.698
                                                  3
                                    Elev. 977.5 VA
Well No.
                    7831
                    Glenville Gilmer County
District
                                                  Packer - Hook
Surface
                    Wm. Earl Frashure et ux, Linn, W. Va. Size
                                                              6-58"X3"
                    Oct. 15, 1941
                                                   Depth set
                                                              1758
Commenced
                    Nov. 13, 1941
Commleted
                                                  Perf.top
                                                             1815
                    11-17-41 Depth 1811-1824 (60 qts)Perf.bot.
Shot
                                                             1836
                                                             531
Flow
                    44/10ths Merc. in 12" Coal
Volume
                    500,000 Cu. Ft.
                    615 lbs. 24 hrs.
Rock Pressure
Clay
          rd s
                     0 10
                                  Blue Monday wh h 1645 1653
                           25
Gravel
                     10
           gy s
                                    Slate
                                               wh s 1653 1669
                            60
Mud
           bl s
                     25
                                    Big Lime
                                               wh h
                                                       1569
                    60
                                               wh h 1743
                          63
Slate
           bk s
                                    Big Injun
                                                           1845
                           65W.HF 63'Gas
                     63
Conl
          bic s
                                                       1783 - 85 19/107.L"
           wh s
                           112
Slate
                     65
                                               dk s
                                    Slate
                                                      1845 1856
                   112
                           144
Sand
          wh h
                                                       1812-22 20/10M.14"0.
                                    Gas
                    144
Slate
          wh s
                           169
                                    Total Depth
                                                            1.356
                           268
           rd s
                     169
Red Rook
                                   S. L.
                                                            1856
Slate
           bk s
                     268
                           278
          rd s • 278
                          319
Red Rock
                     379
                           348
Slate
          b: s
          rd s
Red Rock
                     348
                           354
                   354
                           374
Slate
          wh s
                           41.0
Little Dunkard h
                    374
      wh s
                     410
                           536
Slate
                           572
                    536
Slate
           bk s
                    572
                           589
Big Dunkard wh 1
                     589
                          630
Slate
          wh s
           wh brk.
                     630
                           688
Lime
                    588
                           711
Slate
          wh s
                    717.
Gas Sand wh h
                           7 1
           wh s
                     771
                           800
Slate
                    800
                          831S.L.8201
Sand
           wh h
                    831
                          849
Slate
          wh s
                    849
                           920
Hm. Sand
          wh 1
           bk s
                    920
                          930
Slate
                   930
           wh 1
                          970
hm. Sand
Slate
           bk s
                    970
                          1045
                    1045
                          1062
Lime
        wh h
                   1062
                          1202
Slate
           bk s
1st.SaltSand wh 1
                   1202
                          1.227
                    1227
                          1251
Slate
          bk s
Lime
          wh h
                    1251
                          1264
                    1254
                          1321G.1298 S.L.1299 C. 10/10 W.5"Oppg.
2nd.Salt Sandwh h
                    1321
                          1324
Slate bk s
           dk h
                    1324
                           1342
Lime
Slate
           bk s
                    1342
                          1359
                          1402
Lime
                    1359
         dk h
                    1402
                                    S.L.1445
Slate
          bk s
                           1419
                    1419
                          14509.1439-1441 10/10 17 1"
3rd.Salt Sandwh h
                    1450
                          1456
Slate dk s
                    1456
                          1514
Sand
           wh h
                          1520
                    1514
Slate
           dl: s
           wh h
                    1520
                          1555
Sand
Slate&Shells wh s
                    1555
                          1.570
           rd s
Red Rock
                    1570
                          1594
                    1594
                          1604
Maxon Sand
           wh h
                    1604
                          1609
Red Rock
           rd s
           wh s
wh h
Slate
                    1609
                           1621
                    1621
                          1637
Lime
Lime
           wh brk. 1637
                          1645
```



WW-4-A	
Revised 6/07	

1) Date: November 22, 2013
2) Operator's Well Number
607831 (Frashure #1)
3) API Well No.: 47 021 - 00522
State County Permit

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

)	Surface Owner	(s) to be served:	/ 5) (a) Coa	Operator:
	(a) Name	Jones Land and Development LLC	√ Name	None
	Address	P.O. Box 1	Address	
		Sand Fork, WV 26430		
	(b) Name		(b) Coal O	vner(s) with Declaration
	Address		Name	Jones Land and Development LLC
	Addiess	-	- Name	P.O. Box 1
			Address	Sand Fork, WV 26430
	(c) Name		Name	
	Address	(Address	·
	ridarooo			
	Inspector	Bryan Harris	(c) Coalle	ssee with Declaration
	Address	P.O. Box 157	Name	None
	71001000	Volga, WV 26238	Address	
	Telephone	304-553-6087		-
)	(1) The applic	cation to Plug and Abandon a Well on Fo	rm WW-4B, which sets out	n and the following documents: the parties involved in the
	(1) The applic work and (2) The plat (s) The reason your instructions of Take notice the this Notice and Office of Oil as	cation to Plug and Abandon a Well on Fordescribes the well its and the plugging we surveyor's map) showing the well location ou received these documents is that you in the reverses side. However, you are not under Chapter 22-6 of the West Virging Application and accompanying document Gas, West Virginia Division of Enviroged Application and depicted on the attact	rm WW-4B, which sets out ork order; and n on Form WW-6. have rights regarding the a ot required to take any action nia Code, the undersigned ents for a permit to plug and nmental Protection, with resoned Form WW-6. Copies of	the parties involved in the pplication which are summarized in the on at all. well operator proposes to file or has filed d abandon a well with the Chief of the spect to the well at the location described f this Notice, the Application, and the plat
,	(1) The applic work and (2) The plat (s) The reason your instructions of Take notice the this Notice and Office of Oil at on the attached	cation to Plug and Abandon a Well on Fo describes the well its and the plugging we surveyor's map) showing the well location ou received these documents is that you in the reverses side. However, you are n that under Chapter 22-6 of the West Virgi and Application and accompanying document and Gas, West Virginia Division of Enviro	rm WW-4B, which sets out ork order; and n on Form WW-6. have rights regarding the a ot required to take any action nia Code, the undersigned ents for a permit to plug and nmental Protection, with resolved Form WW-6. Copies of ivered by hand to the person	the parties involved in the pplication which are summarized in the on at all. well operator proposes to file or has filed d abandon a well with the Chief of the spect to the well at the location described f this Notice, the Application, and the plat
	(1) The applic work and (2) The plat (s) The reason your instructions of Take notice the this Notice and Office of Oil at on the attached	cation to Plug and Abandon a Well on Fordescribes the well its and the plugging we surveyor's map) showing the well location ou received these documents is that you in the reverses side. However, you are not under Chapter 22-6 of the West Virginal Application and accompanying document Gas, West Virginia Division of Envirous ded Application and depicted on the attackable by registered or certified mail or delinstances) on or before the day of mailing Well Operator:	rm WW-4B, which sets out ork order; and on Form WW-6. have rights regarding the a ot required to take any action of the control of the contro	pplication which are summarized in the on at all. well operator proposes to file or has filed abandon a well with the Chief of the spect to the well at the location described f this Notice, the Application, and the plat n(s) named above (or by publication in
	(1) The applic work and (2) The plat (s) The reason your instructions of Take notice the this Notice and Office of Oil at on the attached	cation to Plug and Abandon a Well on Fordescribes the well its and the plugging we surveyor's map) showing the well location ou received these documents is that you in the reverses side. However, you are not under Chapter 22-6 of the West Virginal Application and accompanying document Gas, West Virginia Division of Enviroused Application and depicted on the attackable by registered or certified mail or delinstances) on or before the day of mailing Well Operator: By:	rm WW-4B, which sets out ork order; and non Form WW-6. have rights regarding the a ot required to take any actional Code, the undersigned ents for a permit to plug anomental Protection, with respect form WW-6. Copies of ivered by hand to the person or delivery to the Chief. EQT Production Covictoria J.Roark	pplication which are summarized in the on at all. well operator proposes to file or has filed abandon a well with the Chief of the spect to the well at the location described f this Notice, the Application, and the plat n(s) named above (or by publication in
	(1) The applic work and (2) The plat (s) The reason your instructions of Take notice the this Notice and Office of Oil at on the attached	cation to Plug and Abandon a Well on Fordescribes the well its and the plugging we surveyor's map) showing the well location ou received these documents is that you in the reverses side. However, you are not under Chapter 22-6 of the West Virginal Application and accompanying document Gas, West Virginia Division of Enviroused Application and depicted on the attackable by registered or certified mail or delinstances) on or before the day of mailing Well Operator: By: Its:	rm WW-4B, which sets out ork order; and non Form WW-6. have rights regarding the a ot required to take any action of the control of the contr	pplication which are summarized in the on at all. well operator proposes to file or has filed abandon a well with the Chief of the spect to the well at the location described f this Notice, the Application, and the plat n(s) named above (or by publication in
	(1) The applic work and (2) The plat (s) The reason your instructions of Take notice the this Notice and Office of Oil at on the attached	cation to Plug and Abandon a Well on Fordescribes the well its and the plugging we surveyor's map) showing the well location ou received these documents is that you in the reverses side. However, you are not under Chapter 22-6 of the West Virginal Application and accompanying document Gas, West Virginia Division of Envirous Application and depicted on the attack ailed by registered or certified mail or delinstances) on or before the day of mailing Well Operator: By: Its: Address:	rm WW-4B, which sets out ork order; and non Form WW-6. have rights regarding the a ot required to take any action of the control of the contr	pplication which are summarized in the on at all. well operator proposes to file or has filed abandon a well with the Chief of the spect to the well at the location described f this Notice, the Application, and the plat n(s) named above (or by publication in
•	(1) The applic work and (2) The plat (s) The reason y instructions of Take notice the this Notice and Office of Oil at a on the attached have been made certain circum	cation to Plug and Abandon a Well on Fordescribes the well its and the plugging we surveyor's map) showing the well location ou received these documents is that you in the reverses side. However, you are not under Chapter 22-6 of the West Virginal Application and accompanying document Gas, West Virginia Division of Envirous ded Application and depicted on the attact alled by registered or certified mail or delinstances) on or before the day of mailing Well Operator: By: Its: Address: Telephone:	rm WW-4B, which sets out ork order; and non Form WW-6. have rights regarding the a ot required to take any action of the control of the contr	pplication which are summarized in the on at all. well operator proposes to file or has filed abandon a well with the Chief of the spect to the well at the location described f this Notice, the Application, and the plat n(s) named above (or by publication in
•	(1) The applic work and (2) The plat (s) The reason y instructions of Take notice the this Notice and Office of Oil at a on the attached have been made certain circum	cation to Plug and Abandon a Well on Fordescribes the well its and the plugging we surveyor's map) showing the well location ou received these documents is that you in the reverses side. However, you are not under Chapter 22-6 of the West Virginal Application and accompanying document Gas, West Virginia Division of Envirous Application and depicted on the attack ailed by registered or certified mail or delinstances) on or before the day of mailing Well Operator: By: Its: Address:	rm WW-4B, which sets out ork order; and on Form WW-6. have rights regarding the a ot required to take any action of the control of the contro	pplication which are summarized in the on at all. well operator proposes to file or has filed abandon a well with the Chief of the spect to the well at the location described f this Notice, the Application, and the plat n(s) named above (or by publication in

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 parsonal information, the address any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivation we give the state of the privacy of the privacy

NOTARY PUBLIC
Kathy M Kugel
PO Box 109
Davis, WV 26260
My Commission Expires August 24, 2022

WW-9 Revised 2/03

Page	of		
2) Operator's	s Well Nu	ımber	
607831 (Fra	shure #1)	
3) API Well	No.: 47	021 -	00522

Davis, WV 26260
My Commission Expires August 24, 2022

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

	EQT PRODUCTION	COMPANY	OP ID:	
Watershed:	Jakes	Run	Quadrangle:	Gilmer 7.5'
Elevation:	968' Cou	nty: Gilmer	District:	Glenville
Description of anti	cipated Pit Waste:		Formation Fluids	
	using more than 5,000 b be used in the pit?	bls of water to complete to Yes Is so, v	the proposed well work' what ml.?	Yes No_X_ 30 ml
Proposed Disposa		ction - UIC Permit Numbe	er	
	nticipated for this well? Assed, what type? Synthe	Air, freshwater, oil based, tic, petroleum, etc.	etc.	
If left in	and the state of t	oit, landfill, remove offsite t medium will be used? Cer ber?		
issued on August	1, 2005, by the Office of e provisions of the permi	Oil and Gas of the West	Virginia Division of Env Violations of any term	ER POLLUTION PERMIT ironmental Protection. I s or condition of the general
permit and/or othe I certify under pen application form a for obtaining the in	alty of law that I have pe nd all attachments theret nformation, I believe that		inquiry of those individuccurate and complete.	als immediately responsible I am aware that there are
permit and/or othe I certify under pen application form a for obtaining the in significant penaltie	alty of law that I have pe nd all attachments theret nformation, I believe that	to and that, based on my the information is true, a	inquiry of those individuccurate and complete.	als immediately responsible I am aware that there are
permit and/or othe I certify under pen- application form a for obtaining the in significant penaltie Company Off	alty of law that I have pe nd all attachments theret formation, I believe that es for submitting false inf	to and that, based on my the information is true, a ormation, including the p	inquiry of those individuccurate and complete.	als immediately responsible I am aware that there are
permit and/or othe I certify under pen- application form a for obtaining the in significant penaltie Company Off	alty of law that I have pend all attachments thereto information, I believe that it is for submitting false infinitial Signature icial (Typed or Printed)	to and that, based on my the information is true, a ormation, including the p	inquiry of those individu occurate and complete. ossibility of fine or impri	als immediately responsible I am aware that there are

OPERATOR'S WELL NO.: 607831 (Frashure #1)

LEGEND

Property Boundary WV Dep Food Road	ntal Protection	Spring	Wet Spot	
Hoad	_	\bigcirc	-A-	
Planned Fence	Drain Pip	e with size in inches	Water W	/ay
//_/		— ® ——	C+C	-
Existing Fence	Str	ream	Cross Dra	in ///
Open Ditch		cial Filter Strip	Rock	
North	Building	Water well	Drill site	17
N	Ballang	w well		
E	-		=======================================	
posed Revegetation Treat		1±Prevegetation	pH	5.8
Lime <u>3</u> T	ons/acre or to correct	to pH6.5		
Lime <u>3</u> T Fertilizer (10-20-20) or e	ons/acre or to correct	to pH 6.5		5.8 Ibs minimum
Lime <u>3</u> T Fertilizer (10-20-20) or e	ons/acre or to correct equivalent ons/acre or hydrosee	to pH 6.5 1/3 ton		
Lime <u>3</u> T Fertilizer (10-20-20) or e	ons/acre or to correct	to pH 6.5 1/3 ton		
Lime <u>3</u> T Fertilizer (10-20-20) or e Mulch <u>2</u> T	ons/acre or to correct equivalent ons/acre or hydrosee	to pH 6.5 1/3 ton	lbs/acre (500	
Lime 3 T Fertilizer (10-20-20) or e Mulch 2 T Area I	ons/acre or to correct equivalent ons/acre or hydrosee	to pH6.5 1/3 ton d. FURES	lbs/acre (500	lbs minimum
Lime 3 T Fertilizer (10-20-20) or e Mulch 2 T Area I Seed Type KY-31 Alsike Clover	ons/acre or to correct equivalent ons/acre or hydrosee SEED MIXT Ibs/acre 40 5	to pH 6.5 1/3 ton d. TURES Seed Type	lbs/acre (500	lbs minimum
_ime3T Fertilizer (10-20-20) or e Mulch2T	ons/acre or to correct equivalent ons/acre or hydrosee SEED MIXT Ibs/acre	to pH 6.5 1/3 ton d. TURES Seed Type Orchard Grass	lbs/acre (500	lbs minimum Ibs/acre 15
Lime 3 T Fertilizer (10-20-20) or e Mulch 2 T Area I Seed Type	ons/acre or to correct equivalent ons/acre or hydrosee SEED MIXT Ibs/acre 40 5 15	to pH6.5	lbs/acre (500	lbs minimum Ibs/acre 15
Fertilizer (10-20-20) or e Mulch 2 T Area I Seed Type KY-31 Alsike Clover Annual Rye ATTACH: Drawing(s) of road, location	ons/acre or to correct equivalent ons/acre or hydrosee SEED MIXT Ibs/acre 40 5 15	to pH6.5	lbs/acre (500	lbs minimum Ibs/acre 15

Topo Quad: 1 " = 2000' Gilmer 7.5' Scale: October 17, 2013 Gilmer Date: County: Glenville Project No: 25-19-00-07 District: Торо 47-021-00522 WV 607831 (Frashure #1) Oil Well . Fir Stardirt Pod Well Baldwin Strip Messenger Cem Baldwin 47-021-00522 WV 607831 Strip Mine Stewart Strip Mine Oil Well Strip Mine NAD 27, South Zone N: 714,267.78 E: 2,073,245.44 WGS 840II and Gas LAT: 38.961306 LONG: -80.742255 Gas Weth ELEV: 968.41 Environmental Protection SURVEYING AND MAPPING SERVICES PERFORMED BY: ALLEGHENY SURVEYS, INC. **EQT Production Company** 1-800-482-8606 P.O. Box 280 P.O. BOX 438 Bridgeport, WV 26330 BIRCH RIVER, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608



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

API: 47-021-00522 . WELL NO.: WV 607831 (Frashure #1) .
FARM NAME: Frashure
RESPONSIBLE PARTY NAME: EQT Production Company .
COUNTY: Gilmer . DISTRICT: Glenville .
QUADRANGLE: Gilmer 7.5
SURFACE OWNER:Jones Land & Development, LLC
ROYALTY OWNER: EQT Production Company, et al.
UTM GPS NORTHING: 4312514 .
UTM GPS EASTING:522331 GPS ELEVATION:295 m (968 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 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 _X : 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.
Signature Title
Date



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY

LEASE NAME AND WELL No. Frashure #1 WV 607831 (47-021-00522)

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 607831.

PECEIVED
Office of Oil and Gas

NOV 25 2013

BIRCH RIVER OFFICE P.O. Box 438 * 237 Birch River Road Birch River, WV 26610 phone: 304-649-8606 fax: 304-649-8608 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
P.O. Box 108 × 1413 Childress Road
Alum Creek, WV 25003

Ophone: 304-756-2949

Topo Quad:	Gilmer 7.5'	Scale:	1 "= 2000'
County:	Gilmer	Date:	October 17, 2013
District:	Glenville	Project No:	25-19-00-07
Water	47-021-00522 WV 6	07831 (Fras	shure #1)
2/6/1/	Water wells within 1000t Well Well Well Well Baldwin Wessenger Cem	Strip Mine	Oil Well and the Bill and Well well well well and the Wel
Barnett 29		21-00522 607831	Gas Well O Ch
Strip Mine	Strip Mine Strip	Sura_Mine	Con Well Well Well Well Well Well Well Wel
S S S S S S S S S S S S S S S S S S S	Strip Mine Strip Mine Gas Wells	Office of School of the Control of t	NAD 27, South Zone N: 714,267.78 E: 2,073,245.44 WGS 84 LAT: 38.961306 LONG: -80.742255
EGHON ON THE PROPERTY OF THE P	SURVEYING AND MAPPING SERVICES PERFORM ALLEGHENY SURVEY 1-800-482-8606 P.O. BOX 438 BIRCH RIVER, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608		The state of the s