

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 03, 2013

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4500262, 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.

Chief

James Martin

Operator's Well No: 018140 (RITTER #106)

Farm Name: HEARTWOOD FORESTLAND FU

API Well Number: 47-4500262

Permit Type: Plugging
Date Issued: 12/03/2013

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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

CONDITIONS

- 1. 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.
- 2. Well work activities shall not constitute a hazard to the safety of persons.

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

Date: Operator's Well

Well No.

018140 (Ritter #106)

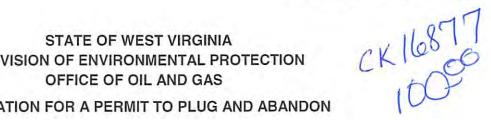
API Well No .:

47

045 - 00262

October 21, 2013

STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION



5) Elevation: 1422' Location: Triadelphia 03 District: 6) EQT Production Cor Well Operator Address: EQT Professional Pla Bridgeport, WV 2633		h gan หร	Quadrangle:	Mallory	
District: EQT Production Cor Well Operator 120 Professional Pla		gan 45	Quadrangle:	Mallory	· CH
EQT Production Cor Well Operator 120 Professional Pla	nnany 7)				454
Well Operator 120 Professional Pla	nnany 7)		17.00		
The control of the co		Designate			
Address: Bridgeport, WV 2633		Address:	120 Professional Plac		
	30		Bridgeport, WV 2633	0	
8)	9)	Plugging (Contractor:		
Oil & Gas Ralph Triplett	,	Name:	HydroCarbon Well Service	ce	
Name: 5539 McClellan Hwy		Address:	PO BOX 995		
Address: Branchland, WV 25506			Buckhannon, WV 26201		

REGEIVED Office of Oil and Gas WV Dapartment of Environmental Protection

	OFFICE USE	ONLY			
Notification must be given to the distri	ct oil and gas insp	ector 24 hou	rs before permitte Date	d work can commence.	
Work order approved by inspector	Q hu m	FOR	RALPH		

PLUGGING PROGNOSIS

Ritter lumber Company # 106 (018140)

Logan County, W.V. API # 47-045-00262

BY: Doug Fry
DATE: 3/18/13

CURRENT STATUS:
13 3/8" @ 12'
10 3/4" @ 531'
8 5/8" @ 1920' Cmt w/ 30'
7" @ 2612'
2 3/8" tubing @ 3558' – 2 3/8" packer @ 2972' – Perf @ 3527'-3558'
TD 3565'

Fresh Water @ 42'

Gas shows/ Perfs @ 1046'-1400' Sand, 2590'-2985' Big Lime, 3518'-3558' Berea Sand,

Oil Shows @ None Reported

Salt Sand top 1007'

SALT WATER 1560'

Coal: 20' - 42' - 515' - 1620'

Stimulation;

1. Notify inspector, Ralph Triplett @ 304-389- 0350 24 hrs prior to commencing operations.

2. Attempt to pull 2" tubing @ 3558' and packer @ 2972'. If tubing packer will not pull TIH w/ wire line to 2972'shoot off 2" tubing and pull out of hole and check condition.

GEL HOLE BEFORE SETTING 172' CIA CENENT PLUG.

- 3. TIH w/ tubing to 2972'; Set 172' C1A Cement Plug @ 2972' to 2800' (Packer, 2" cut, Berea shows).
- 4. TOOH w/ tubing, gel hole @ 2800'-2662', TOOH w/ tubing.
- 5. TIH w/ wire line @ 2590', perforate 7" @ 2590', TOOH w/ wire line.
- 6. Attempt to pull 7" csg, If 7" casing not free, free point 7" casing, cut @ free point, TOOH w/ 7" casing if the hole will not cave in pull casing when possible. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all Salt Sand top, FW, Gas, Oil and Coal shows below the 7" cut. Do not omit any plugs shown below.
- 7. TIH w/ tubing to 2662'; Set 172' C1A Cement Plug @ 2662' to 2490' (Big lime show,7" csg pt).
- 8. TOOH w/ tubing, Gel Hole @ 2490' to 1970'.
- 9. TOOH w/ tubing @ 1970', Set 100' C1A Cement plug @ 1970' to 1870'. (8 5/8"csg pt).
- 10. TOOH w/ tubing, Gel Hole @ 1870' to 1670'.
- 11. TOOH w/ tubing, Free Point 8 5/8"csg, cut 8 5/8"csg @ Free Point, TOOH w/8 5/8"csg. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all 1st Salt Sand top, FW, Gas, Oil and Coal shows below the 8 5/8" cut. Do not omit any plugs shown below.
- 12. TIH w/ tubing to 1670'; Set 100' C1A Cement Plug @ 1670' to 1570' (Coal show).
- 13. TOOH w/ tubing,, Gel Hole @ 1570' to 1046'.
- 14. TOOH w/ tubing, @ 1046', Set 100' C1A Cement plug @ 1046' to 946'. (Salt Sand show).
- 15. TOOH w/ tubing,, Gel Hole @ 946' to 581'. TOOH w/ tubing.
- 16. TIH w/ wire line @ 515', perforate 10" @ 515', TOOH w/ wire line.
- 17. Free Point 10"csg, cut 10"csg @ Free Point, TOOH w/10"csg. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all Salt Sand top, FW, Gas, Oil and Coal shows below the 10" cut. Do not omit any plugs shown below.
- 18. TOOH w/ tubing @ 581', Set 116' C1A Cement plug @ 581' to 465'.(10 34" csg pt, Coal show).
- 19. TOOH w/ tubing,, Gel Hole @ 465' to 200'. TOOH w/ tubing.
- 20. TOOH w/ tubing @ 200', Set 200' C1A cement plug @ 200' to Surface'. (13 3/8" csg pt, FW show, 2 coal shows.)
- 21. Top off as needed
- 22. Set monument to WV DEP specs
- 23. Reclaim Location to WV DEP Specifications.

OCT 242013

Office of Oil and Gas

20.11	2513 2	1400'- Sand 1985'- Big Lime 158'- Berea Sand		Loga- Co. 47-045-00262 Ritter Lumber company 106 018140
3/4'€ 12'	200' 200'		133/19612	C
2 2612	The land			,
1'e 3559'	200'		coal e 2	2'-FW
.3565-				
19" Packe & 2971		1		
3558				
1e 20'-42'	116	1////	coale 51	5'
-1620	Permate 515'	1////	- 103/4'E 531	
e 42°	GET 591 TF# to Sq	H-T-H.		(1001 SEHSAND) add plug
Sand ?	100 - 1046 Sand Show	7774		-1040°
1007	(e)			1400°
	1570	1777		- Control of the Cont
_	100 Com shar	1/4/4	cent e 1620	oʻ
	_ 1970′			
	100' 75/4" see pt	BIN	25/3 6 1920 30	emt
	71976	+446		
	-72490 sm		3.	540
	7" Personance 2590'		ו"פ צנוצי	
		1 1/2	1 6 6616	
	- 2662			
				0 1: 0
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	- 2972'		wer # 2972	RECEIVED RECEIVED
		1	A	1000 01 011 01
				OCT 2 4 2013
	3418'			WV Department of
	100 Berea Sand	1//	En	gronmental Protection
		1	3252	
				Berea Sand
			2719 6 3558.73	55%
			T = 2660+	7

WEST VIRGINIA DEPARTMENT OF MINES OIL & GAS DIVISION WELL RECORD

Permit No. LOG-262 Gilbert Quad.

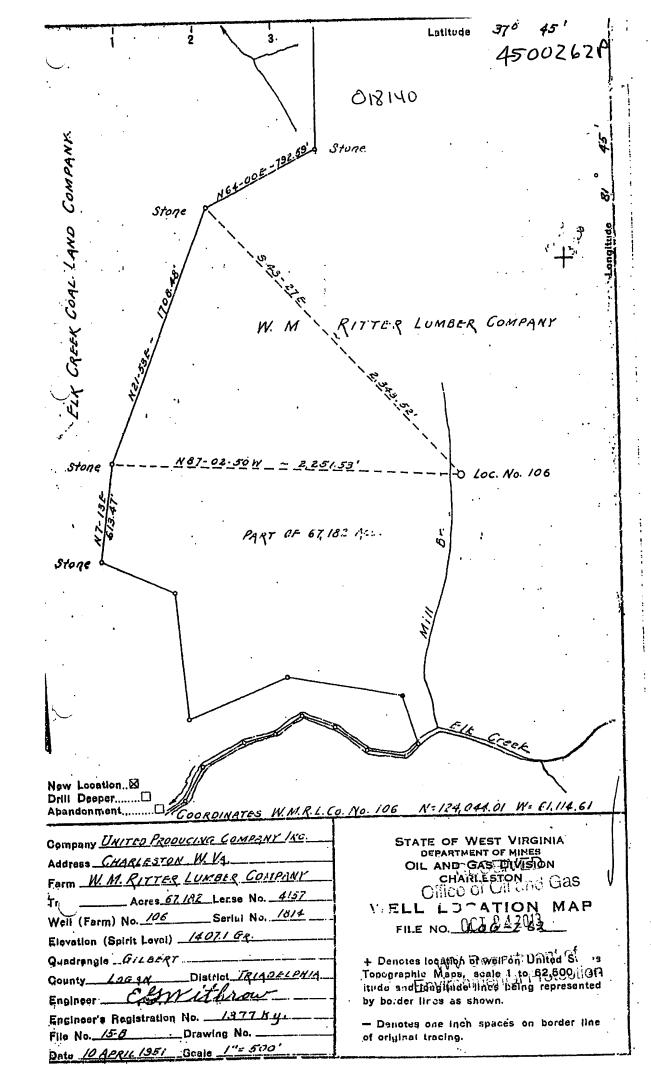
Gas

Company	United Producing	g Co., In	ic.	CASIN	G & TUE	BING
Address Farm	United Producing Box 1913, Charle W. M. Ritter Lun Mill Br. of Elk 106 (1814) Elev Triadelphia Cou W. M. Ritter Lun	eston 27,	W. Va.	13 3/8	12	12 531
Location	Mill Br. of Elk	Cr. Acr	es 67,182	10 3/4	531	227
Well No.	106 (1814) Elev	v. 1410.6	DF	8 5/8	1950	1920
District	Triadelphia Cou	unty - Lo	gan	7" OD	26.12	2612
Surface	W. M. Ritter Lun	mber Co.		2 3/8	3558	3558
Duriace	115 East Rich St	t Colum	bus, 0.			
Commenced	11 1057			Depth Se	t 2972	
Completed	Sept 7 1951			Perf. To	p 3527	
Doto Shot	Sept. 7, 1951 9/8/51 from 35	181 to 35	5581	Perf. Bo	ttom 35	558'
Date Shot	200 qts. nitrog	lycerin	,,,,		444	
Open Flow	200 qts. nitrog 115/10ths Water 452,000 Cu. Ft. 645 lbs. 48 hrs 421 Salt Water	in 211	Cen	ented 8 5	1/8 30	
Upen riow	152 000 Cn Et	711 -	7.5	7/24/5	ő1	
VOIMME	6) 5 1hc 48 hrs		Cos	1 at 2012	41: 42	136";
R. P.	hot colt Wate	on 15601	F	315112": 1	6201481	1
Fresh Water	42' Salt .au				3 4 3 4 3	
Clay	0	8	Lime	Gritty	1877	
Clay Sand Coal Sand Sand Slate	8	20	Red Rock		1902	1908
Coal	20	22	Slate		1908	1912
and	22	42	Slate Red Rock		1912	1917
อลไ	1+2				1917	1970
Sand	45	100	Slate & Sh	nells	1970	2068
Slate	20 22 42 45 100	145 .	Lime Slate & Sh Maxon Sand Red Rock	1	2068	2154
Lime Gritty	145	175	Red Rock		2154	21.86
Sand	175	249	Lime	Gritty	2186	2230
Slate	249	315	Slate & Sh	nells	2230	2293
Sand	315	325	Red Rock		2293	2350
	325	420	Lime	Gritty	2350	2385
Slate Lime Gritt	у 420	450	Lime Slate & St Maxon Sand Red Rock Lime Slate & St Red Rock Lime Red Rock Lime Slate & St Lime Red Rock Lime Slate & St Lime Red Rock Lime		2385	2413
	450	465	Lime	Gritty	2413	2435
Lime	465	475	Slate & Sl	nells	2435	2452
Slate	475	515	Lime		2452	2475
Coal	515	516	Red Rock		2475	2495
Slate Lime Slate Coal Lime	516	515 516 580	Little Li	110	2495	2515
Slate	580	650	Slate & Sl	nells	2515	2590
Sand	650	885	Big Lime		2590	2985
Slate & Shel	ls 885	903	Injun Sand	1	2985	3026
Sand	1s 940 1s 1046	940	Big Lime Injun Sand Lime	Gritty	3026	3080
Slate & Shel	.1s 940	1046	Sand	Red	3080	3090
Sand	1046	1400 1410	Slate & Sl		3090	3510
State	1400	TTTU	Shale I	Brown	3510	3090 3510 3518 3558
Lime Gritt	y 1410	1425	Berea San Slate	1	3570	3550
Slate	11+25	1440			3550	2010
and	1440	1620	TOTAL DEP	LH		3565
oal	1620	1624		V. a.t		0.77
Sand	1624	1630	Water	421	Hole	full
Slate	1630	1660	Gas	1350	Show	0 1
Sand	1660	1775	"ater	1560'		. 2 hrs
Slate	1775	1783	Gas	2945-	2950 S	now
Red Rock	1783	1810	Gas	3547	Show	
Slate & Shel	.1s 1810	1818	Gas	35521		
Lime	1818	1843			103 M	(: H.
Slate	1843	1877				

RECEIVED
Office of Oil and Gas

OCT 242013

WV Department of Environmental Protection



WW-4-A Revised 6/07

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

4)	Surface Owner((s) to be served:	5) (a) Coa	al Operator:
	(a) Name	Heartwood Forestland Fund IV	Name	None
	Address	P.O. Box 9162	Address	
		Chappel Hill, NC 27515		
	(b) Name		(b) Coal O	wner(s) with Declaration
	Address		Name	Natural Resource Partners
				5260 Irwin Road
			Address	Huntington, WV 25705
	(c) Name		Name	
	Address		Address	
		-		, ————————————————————————————————————
6)	Inspector	Ralph Triplett	(c) Coal Le	essee with Declaration
,	Address	5539 McClellan Hwy	Name	Ramaco LLC V
		Branchland, WV 25506	Address	250 W. Main St. Suite 210
	Telephone	304-389-0350		Lexington, KY 40507

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	Victoria J.Roark
Notary Public, State Of West Virginal NICHOLAS L. BUMGARDNER Its	Permitting Supervisor
NULL BOX 4 Address:	PO Box 280
Liberty, WV 25124	Bridgeport, WV 26330
My Commission Expires June 27, 2018	(304) 848-0076
Subscribed and sworn before me this	day of OCTOBER , 2013 RECEIVED Notary Publication of Oil and Ga
Ny Commission Expires: 6/27/201	19.
Ty delimination Expired:	0.07.0.1-10

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.

WW-9 Revised 2/03

Page of			
2) Operator's We	II Nu	mber	
018140 (Ritter #	106)		
3) API Well No.:	47	045 -	00262

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 Name:	EQT PRODUCTION C		OP ID:	146.00
Watershed:	Mill Bra		Quadrangle:	Mallory
Elevation:	1422' Count	ty: Logan	District:	Triadelphia
Description of anti-	cipated Pit Waste:		Formation Fluids	
	using more than 5,000 bbl be used in the pit?		he proposed well work? vhat ml.?	Yes No_X_ 30 ml
Proposed Disposa X		ion - UIC Permit Numbe ber)	er	
	nticipated for this well? Air sed, what type? Synthetic		etc.	
If left in	osal method? Leave in pit pit and plan to solidify what r or offsite name/permit number	medium will be used? Cer		
issued on August understand that the permit and/or othe I certify under pena application form ar for obtaining the in	r applicable law or regulat alty of law that I have pers	il and Gas of the West are enforceable by law. ion can lead to enforce onally examined and are and that, based on my be information is true, as	Virginia Division of Envi Violations of any terms ment action. In familiar with the inforr inquiry of those individu ccurate and complete.	ronmental Protection. I s or condition of the general mation submitted on this lals immediately responsible am aware that there are
Company Offi	icial Signature	The	T /	RECEIVED
Company Offi	icial (Typed or Printed)	Victoria Roark		Ullice of Oil and Gas
Company Offi	icial Title	Permitting Supervisor	or-WV	OCT 2 4 2013
Subscribed and	d sworn before me this	al day of	O(TOBER Notary Pu	2013 VVV Department of
My Commission	Evnires	1/27/2018	Notary Fu	OFFICIAL SEAL
iviy Commissio	Терпед	plation		Notary Public, State Of West \ NICHOLAS L. BUMGARDN

OPERATOR'S WELL NO.: 018140 (Ritter #106)

LEGEND

		Spring	Wet Spot	
Road		\bigcirc	₩	
Planned Fence	Drain Pipe	with size in inches	Water Wa	ay
//_/		- @ 	← • • •	-
Existing Fence	Strea▼		Cross Drain	
Open Ditch		l Filter Strip	Rock	
North	Building	Water well	Drill site	
N		w	\oplus	
Pit with Cut Walls Osed Revegetation Treatm	Pit with Com			of Pit Waste
osed Revegetation Treatment 3 To ertilizer (10-20-20) or ed	nent: Acres Disturbed: ons/acre or to correct to	1± Prevegetation pH 6.5 1/3 ton		5.8
osed Revegetation Treatmine 3 To ertilizer (10-20-20) or edulch 2 To	nent: Acres Disturbed: ons/acre or to correct to	1± Prevegetation Prevention Preve	on pH	5.8
osed Revegetation Treatmine 3 To ertilizer (10-20-20) or edulch 2 To	nent: Acres Disturbed: ons/acre or to correct to quivalent ons/acre or hydroseed. SEED MIXTU	1± Prevegetation	on pH	5.8 Ibs minimum)
osed Revegetation Treatment 3 To ertilizer (10-20-20) or edulch 2 To Area I	nent: Acres Disturbed: ons/acre or to correct to quivalent ons/acre or hydroseed. SEED MIXTU	1± Prevegetation	on pH	5.8 Ibs minimum)
osed Revegetation Treatment 3 To ertilizer (10-20-20) or educh 2 To Area I Seed Type	nent: Acres Disturbed: ons/acre or to correct to quivalent ons/acre or hydroseed. SEED MIXTU	1± Prevegetation	on pH	5.8 Ibs minimum)
osed Revegetation Treatmine 3 To ertilizer (10-20-20) or edulch 2 To	nent: Acres Disturbed: ons/acre or to correct to quivalent ons/acre or hydroseed. SEED MIXTU	1± Prevegetation pH 6.5 1/3 ton JRES Seed Type Orchard Grass	on pH	5.8 Ibs minimum) Ibs/acre 15
osed Revegetation Treatment 3 To ertilizer (10-20-20) or edulch 2 To Area I Seed Type Y-31 Sike Clover Innual Rye TTACH: rawing(s) of road, location	nent: Acres Disturbed: ons/acre or to correct to quivalent ons/acre or hydroseed. SEED MIXTU Ibs/acre 40 5 15 15	1± Prevegetation pH 6.5 1/3 ton JRES Seed Type Orchard Grass Alsike Clover for land application.	on pH Ibs/acre (500 Area II	5.8 Ibs minimum) Ibs/acre 15 5
osed Revegetation Treatment 3 To ertilizer (10-20-20) or edulch 2 To Area I Seed Type Y-31 sike Clover annual Rye TTACH: rawing(s) of road, location notocopies section of involutions.	nent: Acres Disturbed: ons/acre or to correct to quivalent ons/acre or hydroseed. SEED MIXTU Ibs/acre 40 5 15 15	1± Prevegetation pH 6.5 1/3 ton JRES Seed Type Orchard Grass Alsike Clover for land application. eet.	on pH Ibs/acre (500 Area II	5.8 Ibs minimum) Ibs/acre 15

Topo Quad	d: Mallory		Scale:	1 " = 2000'	
County:	Logan		Date:	September 27, 201	3
District:	Triadelphia		Project No:	21-21-00-08	
	47-045-00	262 "Ritte	er #106" W	V 018140	Торо
- Gas Wen	Gas Well	- 7.74 / 7		GAE Well	
EVL	P H I	A	UNTAI	47-045-00262 WV 0181403	MINIS BY
	Toonseyor Mine Dump	BM 1097	Gas Well	Gas Well Gas Well A	Creek Gas Well
MINES C	Rion, Hand	God Well Fork		Gas Well	
as Wall	Gar Well Dingens	Poplar Los Hol	Gas Well He Hollow	Office Of ON: 258,47 N: 258,47 E: 1,779, WGS 84 REQAT!\377, Office Of ON: 284 Elev: 1,4	610.30 707299 .764545
LEGHE TAY	ALLEGHENY	SURVEY 0-482-8606	DBY:	EQT Production Co	ompany

P.O. BOX 438 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:	47-045-00262	WELL NO.: WV 018140 (Ritter #106)
FARM N	NAME:Ritter Lumber Con	npany
RESPO	NSIBLE PARTY NAME:	EQT Production Company
COUNT	Y: Logan	DISTRICT: <u>Triadelphia</u>
QUADR	ANGLE: Mallory 7.5'	
SURFAC	CE OWNER: Heartwood F	Forestland Fund IV
ROYAL	TY OWNER:Plum Creek	Timberlands, LP
UTM GI	PS NORTHING: 4173613	
UTM G	PS EASTING: 432864	GPS ELEVATION: 433 m (1422 ft)
preparing above we the follow 1. 2. 3. Surve Mapp 4. I the und belief an	g a new well location plat for a cell. The Office of Oil and Gas wing requirements: Datum: NAD 1983, Zone: height above mean sea leve Accuracy to Datum – 3.05 to Data Collection Method: ey grade GPS: Post Proceed Real-Time Ding Grade GPS _X_: Post From Real-Time Collection Method: Letter size copy of the top dersigned, hereby certify this desired.	ressed Differential re Differential Processed DifferentialX Fime Differential rography map showing the well location. reata is correct to the best of my knowledge and required by law and the regulations issued and
Signatur	en B Jufter	Title
Date	10/11/13	



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: ____EQT PRODUCTION COMPANY INC.

LEASE NAME AND WELL No. ___ Ritter #106 47-045-00262 (WV 018140) .

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 018140.

BIRCH RIVER OFFICE PO. 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 RECEIVED
Office of Oil and Gas

ALUM CREEK OFFICE
P.O. Box 108; 1413 Childress Road
Alum Creek, WV 25003
phone: 304-756-2949
WV Dane: 304-756-2948

Environmental Fruitation

W W W . A L L E G H E N Y S U R V E Y S . C O M

Topo Quad:	Mallory	Scale:	1 " = 2000'	
County:	Logan	Date:	September 27, 2013	3
District:	Triadelphia	Project No:	21-21-00-08	
Water	47-045-002	62 "Ritter #106" W\	/ 018140	Торо
0 Potential wa	ater wells within 1000'	Gas Wett	Ght Well	
	P H I A	MOUNT AIR	47-045-00262	MATS BY
Sugari	TConteyor Mine Dump	Gas Well		Creek Ges Well
MINES Gas Well Rinh	Hand Gas Wenn	Fork Gas Well He Hollow Hollow	Of icd ATC37-71 LON: -81.	610.30 ED 07299 s 761645
EGHE	SURVEYING AND MAPPING SI ALLEGHENY S	ERVICES PERFORMED BY:	RED FOR: WV Departme	



1-800-482-8606 P.O. BOX 438 BIRCH RIVER, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608

P.O. Box 280 Bridgeport, WV 26330