

# 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

February 26, 2015

# WELL WORK PLUGGING PERMIT

# Plugging

This permit, API Well Number: 47-4102479, 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

emer

Operator's Well No: 1973

Farm Name: TETER

API Well Number: 47-4102479

Permit Type: Plugging

Date Issued: 02/26/2015

# **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.
- 4. This well is under a consent order and must be plugged under the terms of that agreement.

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

Date: January 7, 2015

Operator's Well

Well No. 601973 (Teter #1973)

API Well No.: 47 041 - 02479

Well Type:			N FOR A I	Liquid Injection			neal-	
If Gas, Produ		_x		rground storage		Deep	Shallow _	X
)	Elevation:	1225 ft.		ed: Murphy's Cre	ek			
Location:	Courthouse		_County:	Lewis		Quadrangle: Camde		1
		oduction Co		7) De:	signate	ed Agent: Rex 0	C. Ray	
Well Operato		fessional P		Add	dress:			
Address:	ress: Bridgeport, WV 263			_		Bridgeport, WV 26330		
						Contractor:		
Oil & Gas Ba			-		me:	HydroCarbon Well	Service	
	Conifer Driv	e						
	1			Add	dress:	PO BOX 995		
0) Work Ord	er: The work	28330 c order for		r of plugging this v		PO BOX 995 Buckhannon, WV		
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987201P

PLUGGING PROGNOSIS -Weston

Dist: Courthouse VPI # 47-041-02479 Lewis Co., West Virginia Teter, David #1973 (601973)

Craig Duckworth

DATE: 12/15/14

10,, cag CURRENT STATUS:

.9101 @ 8 1/4" csg @ 173,

.EE61 @ Bso "8/2 6

@ 5150, (backer 1984)) 3, 1pB

LD @ 7178,

Salt Water @ None reported

Gas Shows @ 5th Sand @ 2699'; Gordon @ 2496'; Squaw @ 1933'; Big Injun @1918'; 2nd Salt Sand Coal @ None reported I" Salt Sand @ 1140' Fresh Water @ None reported

@1375

Oil Shows @ None reported

Stimulation: 30qta @ 2694'-2710'

1. Notify State Inspector, Barry Stollings 304-552-4194, 24 hrs. Prior to commencing operations.

2. Attempt to pull 3"csg. Free Point 3", cut 3" @ free point, TOOH w/ 3" csg.

TIH W/ tbg @ 2726'; Set 100' CIA Cement Plug @ 2726' to 2626' ( Gas Shows @ 5th 2699' &

4. Set a 100' CIA Cement Plug 50' In/Out of cut. Perfall FW, Coal, Oil and Gas shows below 3" cut. Do

not omit any plugs

TOOH W/ thg @ 2626'; gel hole @ 2626' to 2496' , 6

TOOH w/ thg @ 2396'; gel hole @ 2396' to 1983' .r LOOH W/ 10g @ 2496'; Set 100' CIA Cement Plug @ 2496' to 2396' (Gas Show 2496' Gordon )

TOOH w/ tbg, Free Point 6 5/8", cut 6 5/8" @ free point, TOOH w/ 6 5/8" csg '8

10. TIH w/ tbg @ 1983'; Set 150' CIA Cement Plug @ 1983' to 1833' (6 5/8" csg cut & Gas show @ TOOH W/ thg @ 2626'; gel hole @ 2626' to 2496'

1933' Squaw & 1918' Big Injun )

Do not omit any plugs 11. Set a 100' CIA Cement Plug 50' In/Out of cut. Perfall FW, Coal, Oil and Gas shows below 6 5/8" cut.

13. TOOH w/ thg @ 1375'; Set 100' CIA Cement Plug @ 1375' to 1275' (Gas Show @ 1375' 2" Salt 12, TOOH w/ tbg @ 1833'; gel hole @ 1833' to 1375 '

וס, אות סרוספל פוב מסלו יסור 14. TOOH w/ tbg @ 1275; gel hole @ 1275! to 1140"

16. TIH W/ thg @ 1140°; Set 174° C1A Cement Plug @ 1140° to 966° (8 1/4" csg seat & Salt Sand @ 15. TOOH W/ tbg, Free Point 8 1/4", cut 8 1/4" @ free point, TOOH W/ 8 1/4" csg

Do not omit any plugs 17. Set a 100' CIA Cement Plug 50' In/Out of cut. Perfall FW, Coal, Oil and Gas shows below 8 1/4" cut.

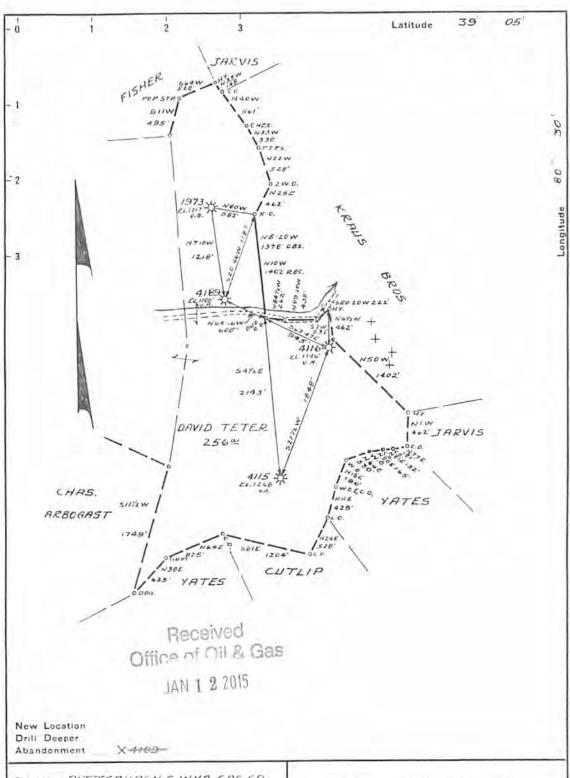
18. TOOH w/ thg @ 966'; gel hole @ 966' to 600'.

19. TOOH w/ thg @ 600°; Set 100° CIA Cement Plug @ 600° to 500° (Safety Plug)

- 20. TOOH w/ tbg @ 500'; gel hole @ 500' to 223'.
  21. TOOH w/ tbg @ 223'; Set 223' C1A Cement Plug @ 223' to Surface ( 10" csg @ 173')
  22. Top off as needed
- 23. Set Monument to WV-DEP Specifications
- 24. Reclaim Location & Road to WV-DEP Specifications

Spw 1/15/15

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Company PITTSBURGH E, WVA. GRS. CO.

Address CLARKSBURG, WVA.

Farm DAVID TETER

Tract Acres 256 Lease No. 4371
Well | Farm | No. 1, 2, 3, 4 Serial No. 4183 4183
Elevation | Spirit Level | RS SHOWN
Quadrangle VADIS S. E. 43

County LEWIS District COURTHOUSE
Engineer Registration No.
File No. V-154 P121 Drawing No.

Date MAR. 10, 1948 Scale 1" = 1000"

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

#### WELL LOCATION MAP

FILE NO.

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

WW-4-A		1) Date:		iary 7, 2015
Revised 6/07		2) Operator's		
		601973 (Te	ter #1973)	
		3) API Well N	o.: 47 041	- 02479
			State Count	ty Permit
	STATE OF WEST VIRGINIA - E	BUREAU OF ENVIRO	NMENT	
DIVIS	SION OF ENVIRONMENTAL PR	OTECTION, OFFICE	OF OIL & GAS	
	<b>NOTICE AND APPLICATION T</b>	O PLUG AND ABAN	DON WELL	
4) Surface Owner(s		5) (a) Coa		<del></del>
(a) Name	John L. & Connie M. Metheny	Name	None	
Address	P. O. Box 621	Address		
	Weston, WV 26452			
(b) Name		(b) Coal O	vner(s) with Decla	ration
Address		Name	John L. & Conr	nie M. Metheny
		<u>.</u>	P. O. Box 621	
		Address	Weston, WV 2	8452
		<del></del>		
(c) Name		Name		
Address		Address		
		**************************************		
	<u></u>			
6) Inspector	Barry Stollings		ssee with Declara	tion
Address	28 Conifer Drive	Name	None	
	Bridgeport, WV 26330	Address		
Telephone	(304) 552-4194			
TO THE PERSONS	NAMED ABOVE: You shou	ıld have received this For	n and the following	documents:
(1) The applica	ition to Plug and Abandon a Well on For	m WW-4B, which sets ou	t the parties involve	d in the
work and d	escribes the well its and the plugging wo	ork order, and		
	riveyor's map) showing the well location			
	received these documents is that you i			e summarized in the
instructions on	the reverses side. However, you are no	ot required to take any act	ion at all.	
Take notice tha	at under Chapter 22-8 of the West Virgin	la Code, the undersigned	well operator propo	oses to file or has filed
this Notice and	Application and accompanying docume	ents for a permit to plug a	d abandon a well w	ith the Chief of the
	d Gas, West Virginia Division of Environ			
	Application and depicted on the attach			
	ied by registered or certified mail or deli- stances) on <u>or before the desc</u> of mailing o		on(s) named above	(or by publication in
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	NOTARY PAGE DETAILS:	EQT Production Co	mpany	<del>' // / - '</del>
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	Liberty, WV 29124  My Commission Expirisor (1992) 2018	PO Box 280		
Sun Heteritaine	TESSE PERSONAL PROPERTY OF THE	Bridgeport, WV 26	330	<del></del>
	Telephone:	(304) 848-0076		
Subscribed and swo	m before me this9	_ day of	AM 2	015
	It had been a second		Notary Pub	lic
My Commission Expire	18: T/27/36	9/8		
The Office of Oil & Gas p	rocesses your personal information, such as	name, address and phone n	imber, as part of our i	regulatory duties. Your
personal information may	be disclosed to other State agencies or third	parties in the normal course	of business of its nec	eded to comply with statutory
	<ul> <li>including Freedom of Information Act requises of your personal information, please cont</li> </ul>			
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	~ ~	City, State, Z. PS Form 3800, July 20	= rimit your name	See Reverse	for Instructions	A. Signature	☐ Agent
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-	Vicki Roark Box 280	eoille	SHOOM		601973 Plugging	3. Service Type  ☐ Certified Mail® ☐ Priority M ☐ Registered ☐ Return Re	eceipt for Merchandise
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JAN 1 2 2015

Vicki Roark Box 280 dgeport, WV 26330

Barry Stollings 28 Conifer Dr Bridgeport WV 26330





WW-9 Revised 2/03

Pageof				
2) Operator's We	ll Nur	nber		
601973 (Teter #1	<del>9</del> 73)			
3) API Well No.:	47	041 -	02479	

# 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

444.4 4 1		N COMPANY		OP I	D:
Watershed:	Murp	hy's Creek		Quadrangle:	Camden
Elevation:	1225 ft. C	ounty:	Lewis	District:	Courthouse
Description of antic	ipated Pit Waste:			Formation Flu	ilds
Do you anticipate u Will synthetic liner	ising more than 5,000 be used in the pit?	bbls of water to Yes	-	the proposed well what ml.?	vork? Yes_ No_X10 mi
Proposed Disposal	Method for Treated	Pit Wastes:			
X	Land Application	n			5DW .1/15/201
		jection - UIC Pe	ımıt Numb	er	.1/15/201
	Reuse (at API I	•			
<del></del>	Offsite Dispose	l Permit #.			
Ddillos medium ed	Other: Explain ticipated for this well?	Air freehunde	oll boood	ote	
	sed, what type? Synt			, <del>e</del> tc.	
Additives to be use		nous, ponoicum	, 010.		
Will closed loop sys	atem be used?				
Drill Cuttings dispos	sal method? Leave in	n pit, landfill, ren	nove offsite	), etc	
If left in p	it and plan to solidlfy w	hat medium will b	e used? Ce	ment, Lime, sawdust	
Landfill o	r offalte name/permit n	ımber?			
Loorlife that Lun	deretond and agme t	a the terms and	conditions	of the CENEDAL W	ATER POLLITION PERMIT
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			601973 (Teter #1973
	LEG	END	
Property Bounda	ry A	Diversion	1/1/1/1/
2.15		Spring	Wet Spot
Road		$\circ$	-Q-
Planned Fend		rith size in inches	Water Way
-/-/-		- 639>	<b>€→ €</b> →
Existing Fence	Stream		Cross Drain
Open Ditch		Filter Strip	Rock
		XX	<del>2</del> 566
North	Building	Water well	Drill site
N		w	$\oplus$
	reatment: Acres Disturbed:	1± Prevegetation	
posed Revegetation To	reatment: Acres Disturbed: Tons/acre or to correct to p	1± Prevegetation	n pH
posed Revegetation To Lime 3 Fertilizer (10-20-20)	reatment: Acres Disturbed: Tons/acre or to correct to p	1± Prevegetation  OH 6.5	n pH
posed Revegetation To  Lime3  Fertilizer (10-20-20)  Mulch2	reatment: Acres Disturbed: Tons/acre or to correct to por equivalent	1± Prevegetation  OH 6.5  1/3 ton	n pH  Ibs/acre (500 lbs minimum
posed Revegetation To Lime 3 Fertilizer (10-20-20) Mulch 2	reatment: Acres Disturbed: Tons/acre or to correct to por equivalent Tons/acre or hydroseed. SEED MIXTUR	1± Prevegetation  OH 6.5  1/3 ton	Ibs/acre (500 lbs minimum
posed Revegetation To Lime 3 Fertilizer (10-20-20) Mulch 2 Area I Seed Type	reatment: Acres Disturbed: Tons/acre or to correct to por equivalent Tons/acre or hydroseed.	1± Prevegetation  OH 6.5  1/3 ton	Ibs/acre (500 lbs minimum
posed Revegetation To Lime 3 Fertilizer (10-20-20) Mulch 2 Area I Seed Type Red Fescue	reatment: Acres Disturbed: Tons/acre or to correct to por equivalent Tons/acre or hydroseed.  SEED MIXTUR  Ibs/acre  40	1± Prevegetation  DH 6.5  1/3 ton  ES  Seed Type  Red Fescue	Ibs/acre (500 lbs minimum  Area II  Ibs/acre
posed Revegetation To Lime 3 Fertilizer (10-20-20) Mulch 2 Area I Seed Type Red Fescue Alsike Clover	reatment: Acres Disturbed: Tons/acre or to correct to por equivalent Tons/acre or hydroseed.  SEED MIXTUR  Ibs/acre  40 5	1± Prevegetation  OH 6.5  1/3 ton  ES  Seed Type	Ibs/acre (500 lbs minimum Area II
posed Revegetation To Lime 3 Fertilizer (10-20-20) Mulch 2 Area I Seed Type Red Fescue Alsike Clover	reatment: Acres Disturbed: Tons/acre or to correct to por equivalent Tons/acre or hydroseed.  SEED MIXTUR  Ibs/acre  40	1± Prevegetation  DH 6.5  1/3 ton  ES  Seed Type  Red Fescue	Ibs/acre (500 lbs minimum  Area II  Ibs/acre
posed Revegetation To  Lime 3  Fertilizer (10-20-20)  Mulch 2  Area I  Seed Type  Red Fescue  Alsike Clover  Annual Rye  ATTACH:  Drawing(s) of road, loce  Photocopies section of	reatment: Acres Disturbed: Tons/acre or to correct to por equivalent Tons/acre or hydroseed.  SEED MIXTUR  Ibs/acre  40 5 15  atlon, pit and proposed area for involved 7.5' topographic sheet	1± Prevegetation  DH 6.5  1/3 ton  ES  Seed Type  Red Fescue  Alsike Clover  I land application.	Ibs/acre (500 lbs minimum  Area II  Ibs/acre
posed Revegetation To Lime 3 Fertilizer (10-20-20) Mulch 2 Area I Seed Type Red Fescue Alsike Clover Annual Rye  ATTACH: Drawing(s) of road, local	reatment: Acres Disturbed: Tons/acre or to correct to por equivalent Tons/acre or hydroseed.  SEED MIXTUR  Ibs/acre  40 5 15  atlon, pit and proposed area for involved 7.5' topographic sheet	1± Prevegetation  OH 6.5  1/3 ton  ES  Seed Type  Red Fescue  Alsike Clover  I land application.	Ibs/acre (500 lbs minimum  Area II  Ibs/acre

Bridgeport, WV 26330

02/27/2015

Topo Quad: Camden 7.5' Scale: 1 " = 2000' Lewis County: Date: October 01, 2014 District: Court House Project No: 73-12-00-08 Topo 47-041-02479 WV 601973 (Teeter #1973) Sugarloaf 47-041-02479 WV 601973 Lake Riley U Received NAD 27, South Zone Office of Oil & Gas N: 737,216.09 E: 2,128,107.66 JAN 1 2 2015 WGS 84 LAT: 39.023737 LONG: -80.548935 ELEV: 1224.90 SURVEYING AND MAPPING SERVICES PERFORMED BY: ALLEGHENY SURVEYS, INC. **EQT Production Company** 1-800-482-8606 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608 P.O. Box 280



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

API: 47-041-02479 WELL NO.: WV 601973 (Teter #1973)
FARM NAME:David Teter
RESPONSIBLE PARTY NAME:EQT Production Company
COUNTY: Lewis 41 DISTRICT: Courthouse 2
QUADRANGLE: Camden 7.5' 276
SURFACE OWNER: John L. & Connie M. Metheny
ROYALTY OWNER: EQT Production Company .
UTM GPS NORTHING: 4319507 .
UTM GPS EASTING: 539046 . GPS ELEVATION: 373 m (1225 ft) .
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.
<ol> <li>Accuracy to Datum – 3.05 meters</li> <li>Data Collection Method:</li> </ol>
Survey grade GPS : Post Processed Differential
Real-Time Differential Paceives
Real-Time Differential Office of Oil 2
<ol> <li>Letter size copy of the topography map showing the well location. JAN 1 2 20</li> </ol>
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.
A 01 0 10 10 10 10 10 10 10 10 10 10 10 1
Signature Title Date



# POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY LEASE NAME AND WELL No. Teeter #1973 - WV 601973 - API No. 47-041-02479

#### POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 601973.

Received Office of Oil & Gas IAN 1 2 2015

237 Birch River Road Birch River, WV 26610 Mone 304-649-8606 Wx: 304-649-8608

BIRCH RIVER OFFICE | BRIDGEPORT OFFICE |

172 Thompson Drive Bridgeport, WV 26330 304-848-5035 70 - 304-848-5037

CALDWELL OFFICE 212 Cumberland Street Caldwell, OH 43724 Julia 740-305-5007 /4rx 740-305-5126

ALUM CREEK OFFICE P.O. Box 108 · 1413 Childress Rd 401 South Fairfax Blvd, Suite 3 Alum Creek, WV 25003 Ariswe: 304-756-2949 hin 304-756-2948

RANSON OFFICE Ranson, WV 25438 304-724-5008 304-724-5010

Bridgeport, WV 26330

02/27/2015

Topo Quad: Camden 7.5' Scale: 1 " = 2000' Lewis County: Date: October 01, 2014 Project No: 73-12-00-08 District: Courthouse Water 47-041-02479 WV 601973 (Teeter #1973) No potential water wells within 1000' Sugarloaf 47-041-02479 U 89 5410 Received NAD 27, South Zone Office of Oil & Gas N: 737,216.09 JAN 1 2 2015 E: 2,128,107.66 WGS 84 LAT: 39.023737 LONG: -80.548935 ELEV: 1224.90 SURVEYING AND MAPPING SERVICES PERFORMED BY: ALLEGHENY SURVEYS, INC. EQT Production Company 1-800-482-8606 237 Birch River Road P.O. Box 280

Birch River, WV 26610

PH: (304) 649-8606 FAX: (304) 649-8608