



EQT Production
2400 Zenith Ridge Road, Suite 200
Canonsburg, PA 15317
www.eqt.com

John F. Zavatchan, Jr.
Landman - Permitting
O: 724-746-9073
jzavatchan@eqt.com

November 18, 2015

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Pleasant Hills Borough
410 E. Bruceton Road
Pittsburgh, PA 15236

RE: Adjacent Municipal Notification
Jefferson Hills Borough, Allegheny County, PA
Well Names: Bucar 593541

Dear Municipal Official:

We are required by Pennsylvania law to notify you, a township adjacent to the host municipality, of EQT Production's intention to drill a natural gas well on the above subject property.

Enclosed you will find a well permit application and well plat showing you the location of the proposed well and Form ER-OG-52.

If you should have any questions concerning this application, please do not hesitate to contact me at 724-746-9073 or e-mail jzavatchan@eqt.com.

Thank you in advance for your courteous attention to this matter.

Regards,

John F. Zavatchan, Jr.
Landman – Permitting
jzavatchan@eqt.com
724-746-9073

**Misleading
information - EQT is
actually applying to
drill 20 wells on this
particular well pad.
The cover letter
mentions "intention
to drill a natural
well ..."**

**Information on how to
contact the PA DEP
should be included.**

RECEIVED
NOV 23 2015

BOROUGH OF PLEASANT HILLS



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS MANAGEMENT

PERMIT APPLICATION TO DRILL AND OPERATE AN UNCONVENTIONAL WELL

Notes		DEP USE ONLY	
OGO #	Objection Date - Do not issue before:	API #s37- - - - -	
Client Id	Date Approved:	and - - - - -	
Bond #		Watershed Name: Designation: <input type="checkbox"/> HQ <input type="checkbox"/> EV	
C: G:	Special Cond.		
INV:			
APS #	Auth Id	Site Id	PF Id SF Id

Please read instructions before you begin filling in this form.

WELL INFORMATION							
Well Operator EQT Production Company		DEP ID# 146983	Well API # (if available) 37- - - - -	Well Farm Name Bucar	Well # 593431		
Address 2400 Zenith Ridge Road, Suite 200		LAT 40°17' 23.49" LONG - 79°56' 50.00"		NAD 83	Project Number	Serial #	
City Canonsburg	State PA	Zip 15317	Municipality Name/ City, Borough, Township Jefferson Hills Borough		County Allegheny		
Phone 724-746-9073	Fax 724-745-2418	Email jzavatchan@eqt.com		USGS 7.5 min. quadrangle map Glassport, PA		Section 8	
<input type="checkbox"/> Check if this is a new address		24/7 Emergency Phone contact number 1-800-926-1759		911 address of well site (if available) TBD			
Freshwater Impoundment Name/ Identification TBD	Centralized Impoundment Name/ Identification TBD	Well Pad (cluster) Name/Identification Bucar		Borrow Area Name/Identification N/A			
Surface Elev 1100	Deepest Formation to be penetrated: Marcellus	Anticipated TVD XXXX	PERMIT TYPE Check applicable. Application is to: <input checked="" type="checkbox"/> Drill a new well <input type="checkbox"/> Re-permit expired permit <input type="checkbox"/> Deepen well <input type="checkbox"/> Redrill wellbore <input type="checkbox"/> Alter well <input type="checkbox"/> Other (specify)		TYPE OF WELL Check applicable. <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Oil <input type="checkbox"/> Comb. (gas & oil/condensate) <input type="checkbox"/> Other (specify)		APPLICATION FEE Check applicable. <input checked="" type="checkbox"/> Unconventional <input type="checkbox"/> Vertical <input type="checkbox"/> Nonvertical Total Application Fee \$ 5,250
Target Formation(s) proposed for production Marcellus		Anticipated Target Top/Bottom TVD XXXX XXXX		Configuration <input type="checkbox"/> Vertical <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Deviated <input type="checkbox"/> Multiple laterals		Bond Agreement Id 9399	
Number of wellbore laterals proposed under this application 1							
Total feet of wellbore to be drilled under this application Ft.							
If applying for a permit to rework an existing well not registered or permitted, check this box <input type="checkbox"/> and enter date drilled, if known: (see instructions)							
PNDI Attached: <input checked="" type="checkbox"/> Any threatened or endangered "hit" must include a copy of the clearance letter from the applicable agency(ies).							
Application submitted as: Coal well: <input checked="" type="checkbox"/> Attach Coal Module CBM well <input type="checkbox"/> Attach Coal Module Non coal well <input type="checkbox"/> Attach justification.							

COORDINATION WITH REGULATIONS AND OTHER PERMITS		Yes	No
1. Will the well be subject to the Oil and Gas Conservation Law? If "No," go to 2).		<input type="checkbox"/>	<input checked="" type="checkbox"/>
a. If "Yes" to #1, is the well at least 330 feet from outside lease or unit boundary?		<input type="checkbox"/>	<input type="checkbox"/>
b. Does the location fall within an area covered by a spacing order?		<input type="checkbox"/>	<input type="checkbox"/>
c. If the well will be multilateral, identify the wellbores on the sketch on page 3 of the plat that will be completed as conservation and non-conservation.			
2. Will the disturbed area of the well site of the unconventional well be within 100 feet, or the vertical well bore be within 300 feet, from the edge of any solid blue lined stream, spring or body of water identified on the most current 7½' topographic quadrangle map or wetland greater than one acre in size or in a wetland?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will the well or well site be located within a defined 100 year floodplain or where the floodplain is undefined, within 100 feet of the top of the bank of a perennial stream or within 50 feet of the top of the bank of an intermittent stream.		<input type="checkbox"/>	<input type="checkbox"/>
If yes, are the following attached: a site-specific E&S control plan (unless an ESCGP has been submitted), Pollution Prevention Control Plan, Portions of the Well Site Emergency Response Plan, and Site Containment Plan?		<input type="checkbox"/>	<input type="checkbox"/>

3. Will the vertical wellbore penetrate or be within 3,000 feet of an active gas storage reservoir boundary?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
a. If Yes, print the names of: Storage Field: Tepe Operator: Equitrans, L.P.			
4. Is the proposed well location within the permitted area of a landfill?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Will the vertical wellbore of the unconventional well be drilled within 500 feet from any existing building or an existing water supply?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
a. If "Yes," is written consent from the owner attached?		<input type="checkbox"/>	<input type="checkbox"/>
b. If written consent is not attached, is a variance request (form 8000-FM-OOGM0058) attached?		<input type="checkbox"/>	<input type="checkbox"/>
5.1. Will the vertical wellbore of the unconventional well be drilled within 1,000 feet from any existing water well, surface water intake, reservoir or other water supply extraction point used by a water purveyor?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
a. If "Yes," is written consent from the owner attached?		<input type="checkbox"/>	<input type="checkbox"/>
b. If written consent is not attached, is a variance request (form 8000-FM-OOGM0058) attached?		<input type="checkbox"/>	<input type="checkbox"/>
6. Will the well be located where it may impact a public resource as outlined in the "Coordination of a Well Location with Public Resources" form 5500-PM-OG0076? If yes, attach a completed copy of the form and clearance letters from applicable agencies.		<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Will any portion of the well site be in a Special Protection High Quality <input type="checkbox"/> (HQ) or Exceptional Value <input type="checkbox"/> (EV) watershed?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Provide name of special protection watershed _____			
8. Is this well part of a development which requires an Earth Disturbance Permit for Oil and Gas Activities disturbing more than 5 acres? If yes, list the number of the ESCGP approval if the permit has been issued. Pending		<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Is waste, including drill cuttings, from the drilling of this well to be disposed of on this well site?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Is the well to be located within a H ₂ S area pursuant to §78.77a?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. Attach a current Ownership & Control form 8000-FM-OOGM0118			
Signature of Applicant		The person signing this form attests that they have the authority to submit this application on behalf of the applicant, and that the information, including all related submissions, is true and accurate to the best of their knowledge.	
Signature of Person Authorized to Submit Application		(Print or Type) Name of Signer: JOHN ZAVATCHAN	Date 11/18/15
		Title: Permitting - Landman	
Application Preparer/Contact:		Phone:	



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS MANAGEMENT
WELL LOCATION PLAT

PAGE 1 Surface Location

DEP- USE ONLY	Auth ID #:	G:
	Permit #:	C:
	Project #:	C:

☐ Denotes location of top of well on topo map.

Well is located on topo map 690 feet south of latitude 40 ° 17 ' 30 "

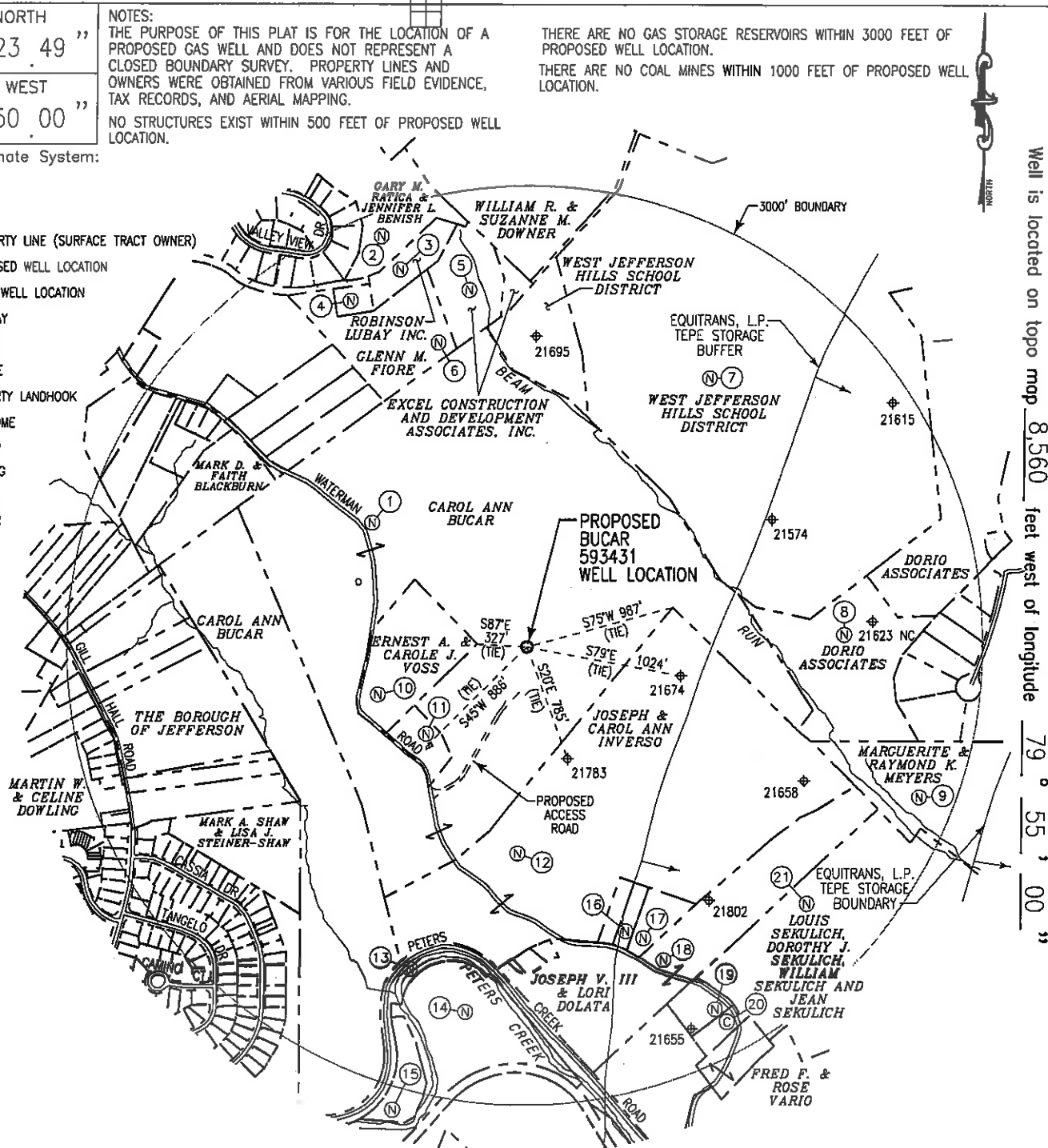
True Latitude: NORTH
40 ° 17 ' 23 .49 "

True Longitude: WEST
79 ° 56 ' 50 .00 "

Horizontal Coordinate System:
NAD 83

LEGEND

- PROPERTY LINE (SURFACE TRACT OWNER)
- PROPOSED WELL LOCATION
- ⊕ OTHER WELL LOCATION
- == ROADWAY
- STREAM
- - - TIE LINE
- ↑ PROPERTY LANDHOOK
- Ⓝ NOT HOME
- Ⓢ CISTERN
- Ⓟ BUILDING
- ① WATER SOURCE NUMBER



Well is located on topo map 8,560 feet west of longitude 79 ° 55 ' 00 "

Applicant / Well Operator Name: EQT Production Company		DEP ID#: 146983	Well (Form) Name: Bucar		Well #: 593431	Serial #:
Address: 2400 Zenith Ridge Road, Suite 200, Canonsburg, PA 15317		County: Allegheny	Municipality: Jefferson Hills Borough	Well Type: Gas		
911 address of well site: To Be Determined		USGS 7 1/2' Quadrangle Map Name: Glassport, PA	Map Section: 8	Surface Elevation: 1100± ft.		
Surveyor or Engineer: Thomas C. Smit, PLS	Phone #: (412) 278-2100	Dwg #:	Date: 11/04/2015	Scale: 1"=1000'	Proposed Lease Production Allocation Area Acreage: 273.62	
Lot & Long Metadata Method: GPS	Accuracy: 3± ft.	Datum: NAD 83	Elevation Metadata Method: GPS	Accuracy: 5± ft.	Datum: NAVD 88	Survey Date: 10/08/2015

PRELIMINARY

WELL LOCATION PLAT

Page 2 Notifications

DEP Statewide toll-free phone number for reporting cases of water contamination which may be associated with development of oil and gas resources is **1-866-255-5158**.

Applicant / Well Operator Name EQT Production Company	DEP ID# 146983	Well (Farm) Name Bucar	Well # 593431	Serial #
Surface Landowner / Lessor: Carol Ann Bucar		Angle & Course of Deviation (Drilling): N 20° 09' 33" W – 7,566'	Anticipated True Vertical Depth Feet (TVD):	Anticipated Total Measured Depth Feet (TMD):
Target Formation(s): Marcellus		Deepest Formation to be penetrated: Marcellus	Number of laterals: 1	Total footage to be drilled all laterals:
Surface Owner/Water Purveyor w/Water Supply within 1000'/3000'		Latitude Longitude of Water Supply		
1.) Carol Ann Bucar		40° 17' 31.24" -79° 57' 03.42"		
2.) Gary M. Ratica & Jennifer L. Benish		40° 17' 49.64" -79° 57' 03.48"		
3.) Robinson Lubay Inc.		40° 17' 47.54" -79° 57' 01.83"		
4.) Andrew R. & Charlene Pearson		40° 17' 45.46" -79° 57' 05.91"		
5.) Excel Construction & Development Associates, Inc.		40° 17' 46.36" -79° 56' 55.90"		
6.) Glenn M. Fiore		40° 17' 42.94" -79° 56' 58.36"		
7.) West Jefferson Hills School District		40° 17' 41.12" -79° 56' 35.34"		
8.) Dorio Associates		40° 17' 24.83" -79° 56' 23.15"		
9.) Marguerite & Raymond K. Meyers		40° 17' 14.40" -79° 56' 16.32"		
10.) Ernest A. & Carole J. Voss		40° 17' 20.12" -79° 57' 02.45"		
11.) Danny M. & Cathy E. Ryerson		40° 17' 17.06" -79° 56' 57.54"		
12.) Joseph & Carol Ann Inverso		40° 17' 10.08" -79° 56' 50.20"		
13.) Borough of Jefferson		40° 17' 02.42" -79° 56' 58.95"		
14.) Richard D. Casciato, Jane C. Casciato, Raymond G. Casciato, Daniel J. Sr. Casciato, Judee A. Casciato, Andrea K. Hulsman, Robert G. Hulsman		40° 16' 59.72" -79° 56' 54.18"		
15.) Franco & Antonietta Moscatiello		40° 16' 53.34" -79° 57' 00.07"		
16.) Stephen M. & Joanne C. Sopico		40° 17' 05.24" -79° 56' 40.87"		
17.) Vincent A. & Patricia E. Brennan		40° 17' 04.82" -79° 56' 39.35"		
18.) Joseph V. III & Lori Dolata		40° 17' 03.45" -79° 56' 37.60"		
19.) Joseph M. & Glinda G. Sekulich		40° 17' 00.32" -79° 56' 33.13"		
Municipality: where the well will be drilled, adjacent to the well, or within 3000 feet		Municipality: where the well will be drilled, adjacent to the well, or within 3000 feet		
West Mifflin Borough, Allegheny County, PA		Forward Township, Allegheny County, PA		
Pleasant Hills Borough, Allegheny County, PA		Lincoln Borough, Allegheny County, PA		
Jefferson Hills Borough, Allegheny County, PA		Union Township, Washington County, PA		
South Park Township, Allegheny County, PA		Coal related parties		
City Of Clairton, Allegheny County, PA		Carol Ann Bucar		
Baldwin Borough, Allegheny County, PA				
West Elizabeth Borough, Allegheny County, PA				
Elizabeth Borough, Allegheny County, PA		Gas Storage Field Operators		
Elizabeth Township, Allegheny County, PA		Equitrans, L.P. – Operator – Tepe		

WELL LOCATION PLAT

PAGE 3 Plan View of Deviated Well Bore

Applicant / Well Operator Name:
EQT Production Company

DEP ID#:
146983

Well (Farm) Name:
Bucar

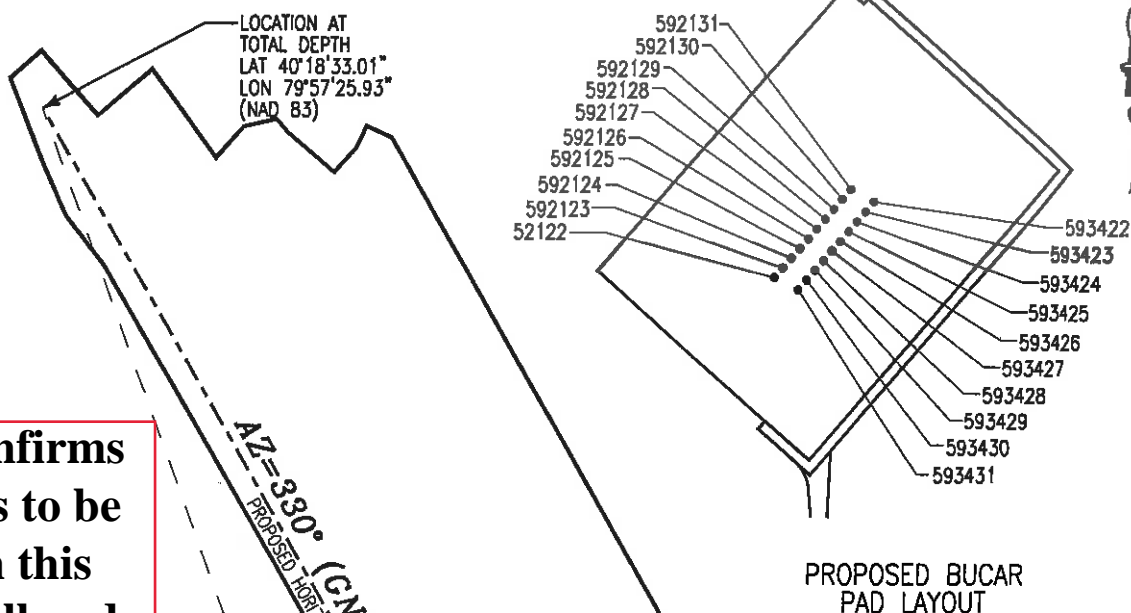
Well #:
593431

True Latitude: NORTH
40° 17' 23.49"

True Longitude: WEST
79° 56' 50.00"

Horizontal Coordinate System:
NAD 83

**This page confirms
20 well heads to be
included on this
particular well pad.**



WATERMAN ROAD

N20°09'33"W 7566'
(DEVIATION)

AZ=330° (CN) 6,988'
PROPOSED HORIZONTAL SECTION

PROPOSED LEASE PRODUCTION ALLOCATION AREA

LOCATION AT LANDING
LAT 40°17'34.12"
LON 79°56'38.82"
(NAD 83)

N40°14'48"E 1381'
(DEVIATION)

S86°E
191'
(TIE)

N22°E
221'
(TIE)

PROPOSED BUCAR 593431 WELL LOCATION & KOP

PROPOSED ACCESS ROAD

NAD 27 Coordinates	
Tophole	
LAT	40°17'23.24"
LON	-79°56'50.82"
KOP	
LAT	40°17'23.24"
LON	-79°56'50.82"
Landing	
LAT	40°17'33.87"
LON	-79°56'39.64"
Bottomhole	
LAT	40°18'32.76"
LON	-79°57'26.74"

PROPOSED LEASE PRODUCTION ALLOCATION AREA ACREAGE 273.62 Ac.
EXISTING SURFACE ELEVATION-1100± FT.

NOVEMBER 4, 2015
SCALE 1" = 1000'



PRELIMINARY



NOTIFICATION OF SURFACE LANDOWNER/WATER PURVEYOR OF WELL DRILLING OPERATION OR ALTERATION WATER SUPPLY PROTECTION

Section 3218 of 58 Pa.C.S. §§ 3201-3274 (relating to Development) ("2012 Oil and Gas Act") provides certain protections to public or private water supplies. This notice is to provide you with a summary of your rights under Section 3218.

1. The Act states that an oil or gas well operator who pollutes or diminishes a public or private water supply shall restore or replace the water supply with an alternate source of water adequate in quantity or quality for the purposes served by the supply.

DEP has a statewide toll-free phone number for reporting cases of water contamination which may be associated with development of oil and gas resources. Call **1-866-255-5158**.

2. Any landowner or water purveyor whose water supply is polluted or diminished as a result of the drilling, alteration or operation of an oil or gas well may submit notice and request that the Department of Environmental Protection conduct an investigation. Within 45 days of the request, the Department will make a determination. If the Department finds that pollution or diminution was caused by the drilling, alteration or operation activities or if it presumes the well operator responsible for pollution, then it will issue such orders as are necessary to assure restoration or replacement of the water supply.

The following information is to be provided when filing notice and requesting an investigation:

- a) The name, address, and telephone number of the surface landowner or water purveyor requesting the investigation;
 - b) The type, location and use of the water supply;
 - c) Any available background quality and quantity data regarding the water supply;
 - d) Well depth, pump setting and water level, if known; and
 - e) Description of the pollution or diminution.
3. The Act establishes a legal presumption that a well operator is responsible for the pollution of a water supply if:
 - a – Conventional well
 - i. the water supply is within 1,000 feet of an oil or gas well; and
 - ii. the pollution occurred within six months after completion of drilling or alteration of the oil or gas well;
 - b. – Unconventional well:
 - i. the water supply is within 2,500 feet of the unconventional vertical well bore; and
 - ii. the pollution occurred within 12 months of the later of completion, drilling, stimulation or alteration of the unconventional well.

If the affected water supply is within the rebuttable presumption area and the rebuttable presumption applies, the operator shall provide a temporary water supply if the water user is without a readily available alternative source of water. The temporary water supply provided under this subsection shall be adequate in quantity and quality for the purposes served by the supply.

4. The well operator may rebut or disprove this presumption by proving one of the following five defenses:
 - a – Conventional well
 - i. The pollution existed prior to the drilling or alteration activity as determined by a pre-drilling or pre-alteration survey.
 - ii. The landowner or water purveyor refused to allow the operator access to conduct a pre-drilling or pre-alteration survey.
 - iii. The water supply is not within 1,000 feet of the well.
 - iv. The pollution occurred more than 6 months after completion of drilling or alteration activities.
 - v. The pollution occurred as a result of some cause other than the drilling or alteration activity.
 - b. – Unconventional well:
 - i. the pollution existed prior to the drilling, stimulation or alteration activity as determined by a predrilling or prealteration survey;
 - ii. the landowner or water purveyor refused to allow the operator access to conduct a predrilling or prealteration survey;
 - iii. the water supply is not within 2,500 feet of the unconventional vertical well bore;
 - iv. the pollution occurred more than 12 months after completion of drilling or alteration activities; or
 - v. the pollution occurred as the result of a cause other than the drilling or alteration activity.

NOTICE: To landowner or water purveyor.

The presumption may be void if the landowner or water purveyor refused to allow the operator of an unconventional well access by the operator (or their agent) to conduct a predrilling or prealteration survey.

Well operators electing to preserve their defenses under 4 a or b,(i) or (ii) above must retain the services of an independent certified laboratory to conduct the pre-drilling or pre-alteration survey of water supplies. The results of the survey must be provided within 10 business days of receipt of the results by providing a copy to the Department and the landowner or water purveyor. Test results not received by the Department within 10 business days may not be used to preserve the operators defense under 3218(d). If the applicant for a well permit does not conduct a pre-drilling or pre-alteration survey, you may wish to have such a survey done in order to support any future claims you may have that your water supply has been diminished or polluted.

OBJECTION TO WELL PERMIT APPLICATION

When a well is located on a tract whose surface is owned by a person other than the well operator, the surface landowner has the right to file objections with the Department pursuant to Section 3212 on the following basis:

- a) The information on the application is untrue in any material respect,
- b) The well is within 200 feet or, in the case of an unconventional gas well, 500 feet measured horizontally from the vertical well bore from any existing building or existing water well existing when the copy of the plat is mailed and the owner thereof has not given his written consent and the operator has not been granted a variance. Unconventional gas wells may not be drilled within 1,000 feet measured horizontally from the vertical well bore to any existing water well, surface water intake, reservoir or other water supply extraction point used by a water purveyor without the written consent of the water purveyor and the owner thereof has not given his written consent and the operator has not been granted a variance.
- c) The well site is within 100 feet or, in the case of an unconventional well, 300 feet from the vertical well bore or 100 feet from the edge of the well site, whichever is greater, measured horizontally from any solid blue lined stream, spring or body of water as identified on the most current 7½ minute topographic quadrangle map and the operator does not have a waiver. The edge of the disturbed area associated with any unconventional well site must maintain a 100-foot setback. No unconventional well may be drilled within 300 feet of any wetlands greater than one acre in size, and the edge of the disturbed area of any well site must maintain a 100-foot setback from the boundary of the wetlands, and the operator does not have a waiver, or
- d) No well site may be prepared or well drilled within any floodplain if the well site will have:
 - (i) a pit or impoundment containing drilling cuttings, flowback water, produced water or hazardous materials, chemicals or wastes within the floodplain; or
 - (ii) a tank containing hazardous materials, chemicals, condensate, wastes, flowback or produced water within the floodway.and the operator does not have a waiver. or
- e) The well location violates Section 3215 of the Act.

Any objections and request for a conference must be filed within 15 days of receipt of the plat by the surface landowner and contain the following information:

- a) The name, address and telephone number of the person submitting the objection;
- b) The name of the well operator, and the farm name and number of the proposed well; and
- c) A statement of the basis for the objection and a request for a conference if a conference is being requested.

*DEP Regional Offices
to contact:*

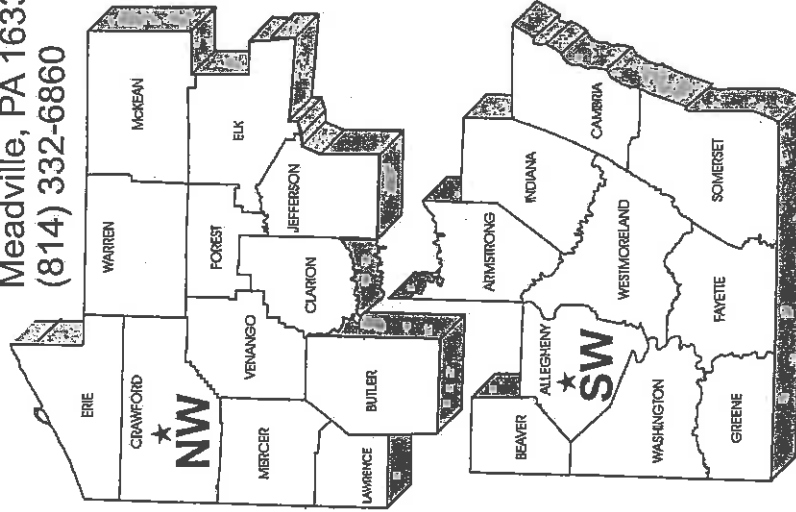
*Dept. of Environmental Protection
NW Regional Office – Oil & Gas Mgmt
230 Chestnut Street
Meadville, PA 16335-3481
Phone: 814-332-6860 Fax: 814-332-6121*

*Dept. of Environmental Protection
SW Regional Office – Oil & Gas Mgmt
400 Waterfront Drive
Pittsburgh, PA 15222-4745
Phone: 412-442-4024 Fax: 412-442-4328*

Oil and Gas Regions

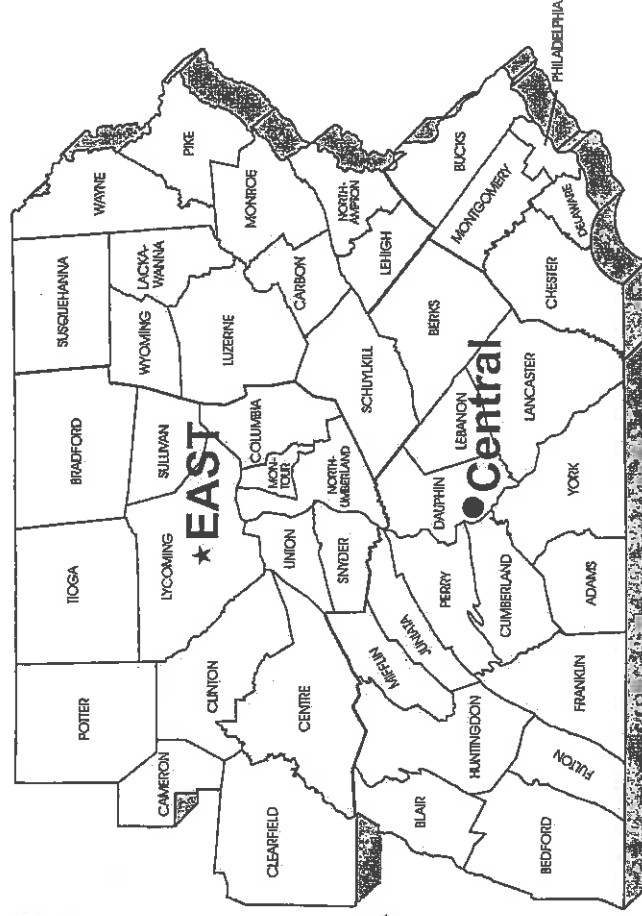
★ Northwest Region

230 Chestnut Street
 Meadville, PA 16335-3481
 (814) 332-6860



★ Eastern Region

208 West Third Street
 Williamsport, PA 17701-6448
 (570) 321-6550



★ Southwest Region

400 Waterfront Drive
 Pittsburgh, PA 15222-4745
 (412) 442-4024

● Central Office

Bureau of Oil and Gas Management
 PO Box 8765
 Harrisburg, PA 17105-8765
 (717) 772-2199