



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

DEP USE ONLY	
Permittee's eFACTS ID 279986	Auth ID C-1082707
Watershed Name	Quality

WELL PERMIT

MARCELLUS

Permittee CHEVRON APPALACHIA, LLC		OGO.# OGO-39307	Permit Number 37-051-24633-00-00	Date Issued 08/12/2015
Address 800 MOUNTAIN VIEW DR		Farm Name & Well Number SIEGEL 1		Well Serial.# MCLS 37-051-2010
SMITHFIELD, PA 15478-8902		Municipality Luzerne Twp	County Fayette	
		7½' Quadrangle Name Carmichaels	Map Section # 1	
Phone (724) 564-3745	Project #	Latitude 39-58-8.3000	Longitude -79-58-7.6600	
Surf Elev at Site 1173 feet	Anticipated Maximum TVD 7768 feet	Well Type GS	Offset distances referenced to NE corner of map section. South 11303 feet West 2935 feet	

This permit covering the well operator and well location shown above is evidence of permission granted to conduct activities in accordance with the Oil and Gas Act and the Oil and Gas Conservation Law, if the well is subject to that act and any rules and regulations promulgated thereunder, subject to the conditions contained herein and in accordance with the application submitted for this permit. This permit does not convey any property rights.

This permit and the permittee's authority to conduct the activities authorized by this permit are conditioned upon operator's compliance with applicable law and regulations:

Notification must be given to the district oil and gas inspector, the surface landowner and political subdivision of the date well drilling will begin at least 24 hours prior to commencement of drilling activities.

The permittee hereby authorizes and consents to allow, without delay, employees or agents of the Department to have access to and to inspect all areas upon presentation of appropriate credentials, without advance notice or a search warrant. This includes any property, facility, operation or activity governed by the Oil and Gas Act, the Oil and Gas Conservation Law, the Coal and Gas Resource Coordination Act and other statutes applicable to oil and gas activities administered by the Department. The authorization and consent shall include consent to the Department to collect samples of wastewaters or gases, to take photographs, to perform measurements, surveys, and other tests, to inspect any monitoring equipment, to inspect the methods of operation and disposal, and to inspect and copy documents required by the Department to be maintained. The authorization and consent includes consent to the Department to examine books, papers, and records pertinent to any matter under investigation pursuant to the Oil and Gas Act or pertinent to a determination of whether the operator is in compliance with the above referenced statutes. This condition in no way limits any other powers granted to the Department under the Oil and Gas Act and other statutes, rules and regulations applicable to these activities as administered by the Department.

This permit does not relieve the operator from the obligation to comply with the Clean Streams Law and all statutes, rules and regulations administered by the Department.

Special Permit Conditions:

The permittee shall not withdraw or use water from water sources within the Commonwealth of Pennsylvania, for well fracing activities, unless the permittee does so in accordance with a Water Management Plan approved by the Department.

Permittee shall obtain a permit or Environmental Assessment approval from the Department prior to the construction of any dam, reservoir, water obstruction, and/or encroachment for which a permit or Environmental Assessment approval is required by 25 Pa. Code Chapter 105. Any dam embankment including centralized dam embankments utilized to impound freshwater or frac water associated with well fracing not requiring a permit pursuant to 25 Pa. Code Chapter 105 will be constructed in accordance with requirements of 25 Pa. Code §§ 78.56-78.63 and Department guidelines 5500-PM-OG0085 entitled, Design, construction and maintenance standards for dam embankments associated with impoundments for oil and gas wells.

Prior to fracturing the well, as part of its Preparedness, Prevention and Contingency Plan the permittee shall implement a Control and Disposal Plan for the control and disposal of fluids and residual wastes in accordance with 25 Pa. Code § 78.55. The Control and Disposal Plan shall identify the control and disposal methods and practices utilized to prevent pollutants from directly or indirectly reaching waters of the Commonwealth during the impoundment, production, processing and transportation of pollutants, including identification of the permitted processing or disposal facilities where residual wastes will be processed or disposed, in accordance with 25 Pa. Code §§ 78.55 and 91.34.

Prior to transport of the residual wastewater off site, chemical analysis and characterization of the waste shall be conducted and provided to the processing or disposal facility intended for acceptance of the waste in accordance with 25 Pa. Code § 287.54.

NOTE: WELL MAY PENETRATE OPEN MINE (PITTSBURGH COAL SEAM).

This permit expires 08/12/2016 unless drilling is commenced on or before that date and prosecuted with due diligence.

Regional Oil and Gas Program Manager

RICHARD L LEWIS

Oil & Gas Inspector

25 TECHNOLOGY DRIVE
COAL CENTER, PA 15423

Address

724-769-1034

Phone Number



ALTERNATE METHOD

PERMIT APPLICATION TO DRILL AND OPERATE AN UNCONVENTIONAL WELL

Notes <i>COB - Pittsburgh Sewer</i>		DEP USE ONLY	
OGO # 39307	Objection Date - Do not issue before: 7-29-15	API #'s 37-051-24633-00-00	
Client Id 279986	Date Approved: 7/28/2015	and - - - ; - - - ; - - - ; - - - ; - - -	
Bond # 12754	Special Cond.	Watershed Name: Designation: <input type="checkbox"/> HQ <input type="checkbox"/> EV	
C: <i>LW/UT/djg</i> INV:	Site Id 809709	PF Id 803337	SF Id 1181842
APS # 876206	Auth Id 1082907		

Please read instructions before you begin filling in this form.

WELL INFORMATION

Well Operator Chevron Appalachia, LLC	DEP ID# 279986	Well API # (if available) 37- - - -	Well Farm Name Siegel	Well # 1
Address 800 Mountain View Drive		LAT 39°58' 8" 30	NAD 83	Project Number 15433
City Smithfield		LONG - 79°58' 7" 66	County Fayette	Serial # MCLS 37-051-2010
Phone 724-564-3748	Fax 725-564-3894	State PA	Zip 15478	Municipality Name/ City, Borough, Township Luzerne Township
24/7 Emergency Phone contact number 724-564-3700		911 address of well site (if available) 244 Heistersburg Rd East Millsboro, PA		

RECEIVED
JUL 13 2015

Check if this is a new address

Freshwater Impoundment Name/ Identification	Centralized Impoundment Name/ Identification WMP on File	Well Pad (cluster) Name/Identification Siegel	Borrow Area Name/Identification
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Surface Elev 1,173	Deepest Formation to be penetrated: Marcellus	Anticipated TVD 7,768'	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) Configuration <input checked="" type="checkbox"/> Vertical <input type="checkbox"/> Horizontal <input type="checkbox"/> Deviated <input type="checkbox"/> Multiple laterals	APPLICATION FEE Check applicable. <input checked="" type="checkbox"/> Unconventional <input checked="" type="checkbox"/> Vertical <input type="checkbox"/> Nonvertical Total Application Fee \$ 4,450.00 <i>CKO #24167921</i> Bond Agreement Id 12754
Target Formation(s) proposed for production Marcellus		Anticipated Target Top/Bottom TVD 7,768' 7,848'			
Number of wellbore laterals proposed under this application 0					
Total feet of wellbore to be drilled under this application 7768 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 7 1/2' 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 checked="" 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"/>

PDG DATE = 09-11-2015

- 1 - Marcellus



PERMIT APPLICATION TO DRILL AND OPERATE A WELL COAL MODULE

Coal module attachment to address coal related issues with drilling, altering or operating wells.		
	Yes	No
1. Will the well penetrate a workable coal seam ? If "No," attach justification and supporting documentation. a. Have the coal rights been severed from the surface estate	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. If the well will penetrate a workable coal seam , and the well is a "non-conservation" gas well, does the location comply with the distance requirements of Section 7 of the Coal and Gas Resource Coordination Act? (At least 1,000 feet from all existing wells). a. If "No," is the required exception request attached? (Check N/A if re-working an existing well: <input type="checkbox"/> N/A) b. Will the well be part of a Well Cluster which is an area within a well pad intended to host multiple horizontal wells and which comprises an area no greater than 5,000 square feet? c. Will this well be part of a Well Cluster that already has an approved OG-57 waiver? If Yes, provide a copy of the approved OG-57 form.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Will this well be drilled in solid coal or into an open underground void?	solid coal <input checked="" type="checkbox"/>	open void <input checked="" type="checkbox"/>
	Yes	No
4. Will the well be drilled through an operating coal mine , or within 1,000 feet of the boundary? a) If "Yes," provide the names of Mine: _____ and Operator: _____ b) If yes, does it meet the Gas Well Pillar Study? c) If yes, provide a copy of the most recent underground mine workings map that shows well location, a map scale, the lease/unit boundary, and a north arrow.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
5. If the well will be a Coalbed Methane well is the alternate method request of drilling/completing the well attached (form 5500-PM-OG0024)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. If the well is a CBM well, has the surface landowner been notified and provided a copy of Form 5500-FM-OGO053 Rev. 1/2011?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

COAL MODULE Record of Notification / Written Consent

List the following: all coal owners and lessees of all underlying coal seams; operators of operating coal mines at the proposed location; and coal operators with Operating Coal Mine. Mark the boxes, "X," which show the parties' interests. Use additional forms if you need more space. You are required to notify each of these parties.		Coal Owner	Coal Lessee	Operator of operating Coal Miner	Within 1,000 feet Coal Mine Operator	Notification Note the means and attach proof.			
						Certified Mail Dates		Address Affidavit	Written Consent
						Sent	Return Receipt		
Name: Stephen Siegel	Address: 1811 Greentree Road Pittsburgh, PA 15220	X				6/18/15	6/12/15		
Name: Mark Simon Siegel	Address: 84 Booth Road Chester, NY 20918	X							
Name:	Address:								
Name:	Address:								
Name:	Address:								

Optional: Signature below indicates the party's approval of the well location, and waives the 15-day objection period. Check applicable box.

Coal <input type="checkbox"/> Operator, <input checked="" type="checkbox"/> Owner, or <input type="checkbox"/> Lessee	Date
<i>Stephen Siegel</i>	6/12/15
Coal <input type="checkbox"/> Operator, <input checked="" type="checkbox"/> Owner, or <input type="checkbox"/> Lessee	Date
Coal <input type="checkbox"/> Operator, <input type="checkbox"/> Owner, or <input type="checkbox"/> Lessee	Date
Coal Operator within 1,000 feet of proposed location	Date

COAL MODULE Record of Notification / Written Consent

List the following: all coal owners and lessees of all underlying coal seams; operators of operating coal mines at the proposed location; and coal operators with Operating Coal Mine. Mark the boxes, "X," which show the parties' interests. Use additional forms if you need more space. You are required to notify each of these parties.		Coal Owner	Coal Lessee	Operator of operating Coal Miner	Within 1,000 feet Coal Mine Operator	Notification Note the means and attach proof.			
						Certified Mail Dates		Address Affidavit	Written Consent
						Sent	Return Receipt		
Name: Stephen Siegel	Address: 1811 Greentree Road Pittsburgh, PA 15220	X							
Name: Mark Simon Siegel	Address: 84 Bloor Road Chester, NY 20918 <i>MS</i>	X				6/17/15	6/27/15		
Name:	Address: <i>439 BB SAMS PA ST. HELENA PO, SC 29920</i>								
Name:	Address:								
Name:	Address:								

Optional: Signature below indicates the party's approval of the well location, and waives the 15-day objection period. Check applicable box.

Coal <input type="checkbox"/> Operator, <input checked="" type="checkbox"/> Owner, or <input type="checkbox"/> Lessee	Date
Coal <input type="checkbox"/> Operator, <input checked="" type="checkbox"/> Owner, or <input type="checkbox"/> Lessee <i>MS</i>	<i>6/26/15</i> Date
Coal <input type="checkbox"/> Operator, <input type="checkbox"/> Owner, or <input type="checkbox"/> Lessee	Date
Coal Operator within 1,000 feet of proposed location	Date



Branden Weimer
Permitting Team Lead

Appalachian/Michigan Strategic Business Unit
Chevron North America Exploration and Production
Company a division of Chevron U.S.A. Inc.
800 Mountain View Drive
Smithfield, PA 15478
Tel 724-564-3745
Fax 724-564-3894
bweimer@chevron.com

July 7, 2015

Commonwealth of Pennsylvania
Department of Environmental Protection
Bureau of Oil and Gas Management
400 Waterfront Drive
Pittsburgh, PA 15222

RE: Siegel Well Pad
Luzerne Township, Fayette County

Dear Sir/Madam:

Please accept this letter as a formal request for an exemption from the 1000' spacing requirements found in Act 214, Section 7(b), for the above referenced permit.

Also included is a letter from the coal owners approving the location of the well and recognizing that this well will be less than 1000' from an existing well.

Sincerely,

A handwritten signature in black ink, appearing to read "Branden Weimer".

Branden Weimer
Permitting Team Lead



Laura Savage
Permit Coordinator
Construction Permitting

Appalachian/Michigan Strategic Business Unit
Chevron North America Exploration and Production
Company a division of Chevron U.S.A. Inc.
800 Mountain View Drive
Smithfield, PA 15478
Tel 724-564-3748
Fax 724-564-3894
lsavage1@chevron.com

June 5, 2015

Stephen Siegel
1811 Greentree Road
Pittsburgh, PA 15220

RE: Well Permit Application
Siegel Pad

Dear Mr. Siegel,

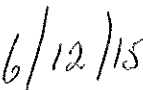
As per the Oil and Gas Act 214-507, the above referenced well pad requires a waiver of the 1000 ft distance from an existing well. By your signature below, we are requesting an exception from the minimum 1000 feet distance requirement of subsection (a) of this act where the permit applicant and the owner of the workable coal seam consent in writing.

Sincerely,

Laura Savage
Permit Coordinator
Chevron Appalachia, LLC

Owner of workable coal seam


Stephen Siegel


Date



Laura Savage
Permit Coordinator
Construction Permitting

Appalachian/Michigan Strategic Business Unit
Chevron North America Exploration and Production
Company a division of Chevron U.S.A. Inc.
800 Mountain View Drive
Smithfield, PA 15478
Tel 724-564-3748
Fax 724-564-3894
lsavage1@chevron.com

June 5, 2015

Mark Simon Siegel
84 Booth Road
Chester, NY/20918

439 BB Sams Dr.
St. Helena Is., SC 29920

RE: Well Permit Application
Siegel Pad

Dear Mr. Siegel,

As per the Oil and Gas Act 214-507, the above referenced well pad requires a waiver of the 1000 ft distance from an existing well. By your signature below, we are requesting an exception from the minimum 1000 feet distance requirement of subsection (a) of this act where the permit applicant and the owner of the workable coal seam consent in writing.

Sincerely,

Laura Savage
Permit Coordinator
Chevron Appalachia, LLC

Owner of workable coal seam Mark Simon Siegel 6/26/15
Mark Simon Siegel Date



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

WELL LOCATION PLAT

PAGE 1 Surface Location

051-24633-00-00

DEP	Author ID #:	G:
USE	Permit #:	C: <i>djp</i>
ONLY	Project #:	

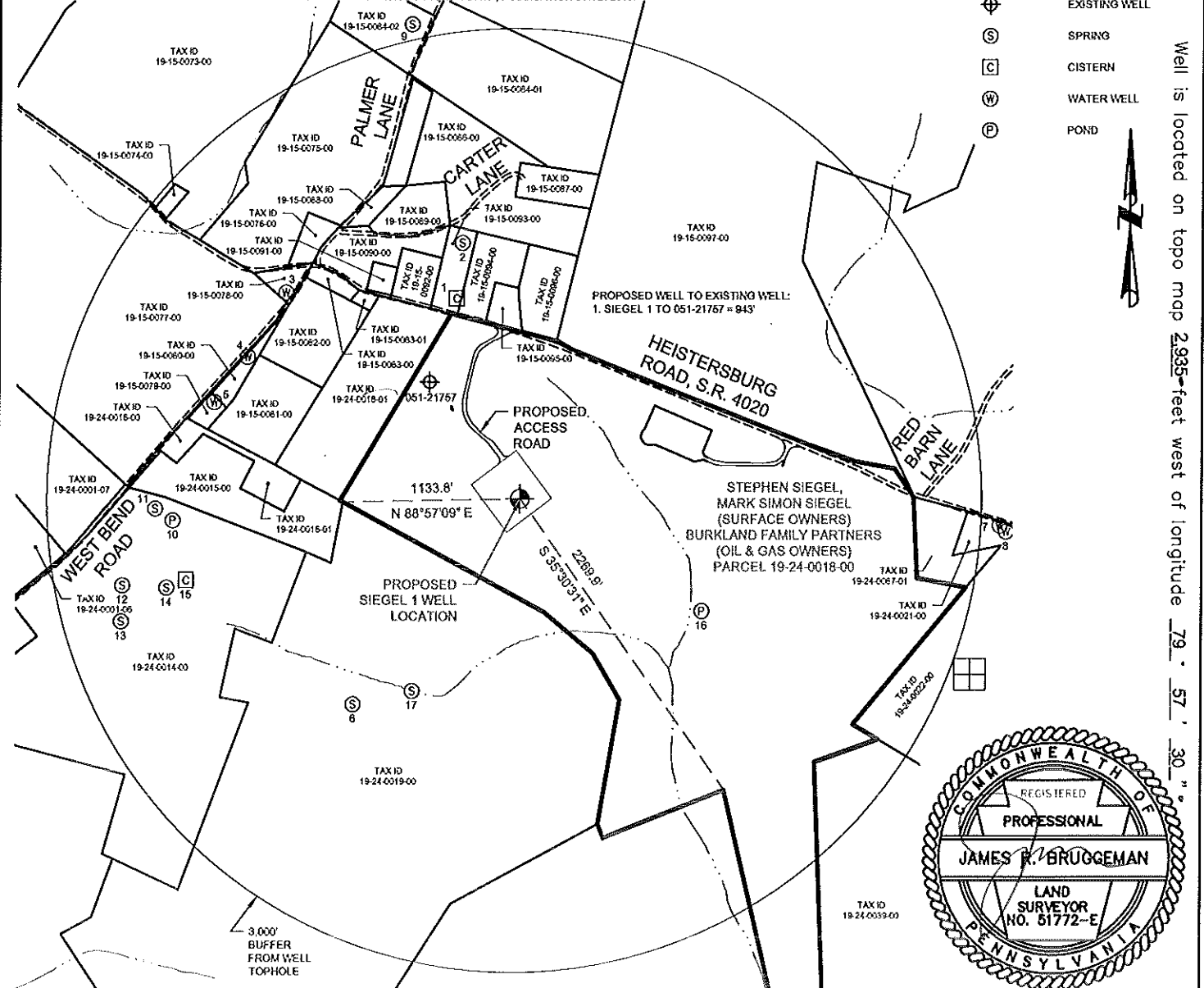
☐ Denotes location of top of well on topo map.			
True Latitude: NORTH			
39	°	58	' 08 . 30 "
True Longitude: WEST			
79	°	58	' 07 . 66 "

Well is located on topo map 11,303 feet south of latitude 40° 00' 00" °

- NOTES:
- THE PURPOSE OF THIS PLAT IS TO PROVIDE THE LOCATION OF PROPOSED GAS WELLS AND DOES NOT REPRESENT A CLOSED BOUNDARY SURVEY. PROPERTY LINES WERE OBTAINED FROM VARIOUS FIELD EVIDENCE, TAX RECORDS, AND AERIAL MAPPING.
 - WATER SOURCE LOCATIONS SUPPLIED BY CHEVRON APPALACHIA, LLC. TO THE BEST OF THE SURVEYOR'S KNOWLEDGE, THE WELL LOCATION PLAT DEPICTS THE WATER SOURCES WITHIN 3000' OF THE PROPOSED WELL.
 - STREAMS TAKEN FROM USGS NATIONAL HYDROGRAPHY DATASET (NHD) DIGITAL DATA, 2012.
 - EXISTING WELLS TAKEN FROM PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) OIL AND GAS LOCATIONS DIGITAL DATA, PUBLICATION DATE: 2015.

LEGEND

	PROPERTY LINE
	STREAM
	EXIST. ROAD
	PROPOSED WELL
	EXISTING WELL
	SPRING
	CISTERN
	WATER WELL
	POND



Well is located on topo map 2,935 feet west of longitude 79° 57' 30" °



Applicant/Well Operator Name: Chevron Appalachia, LLC. *		DEP ID # 279986	Well (Form) Name: Siegel *		Well #: 1 *	Serial #: MCLS 37-051-2010 *
Address: 800 Mountain View Drive, Smithfield, PA 15478			County: Fayette *	Municipality: Luzerne Township *	Well Type: Gas/Non-conservation	
911 address of well site: 244 Heistersburg Road, East Millsboro, PA 15433			USGS 7 1/2' Quadrangle Map Name: Carmichaels *	Map Section: 1 *	Surface Elevation: 1173.3 ft. *	
Surveyor or Engineer: James R. Bruggeman	Phone #: 412-429-2324	Dwg #: 143-781	Date: 5/29/2015	Scale: 1"=1000'	Tract Acreage: 174.5	
Lat. & Long Metadata Method: GPS	Accuracy: 5 ± ft.	Datum: NAD 83	Elevation Metadata Method: GPS	Accuracy: 5 ± ft.	Datum: NAVD 88	Survey Date: 3/25/2015

-1- GAB. Bruggeman

WELL LOCATION PLAT

Page 2 Notifications

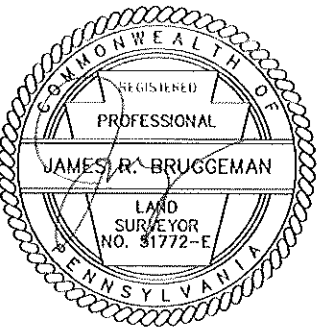
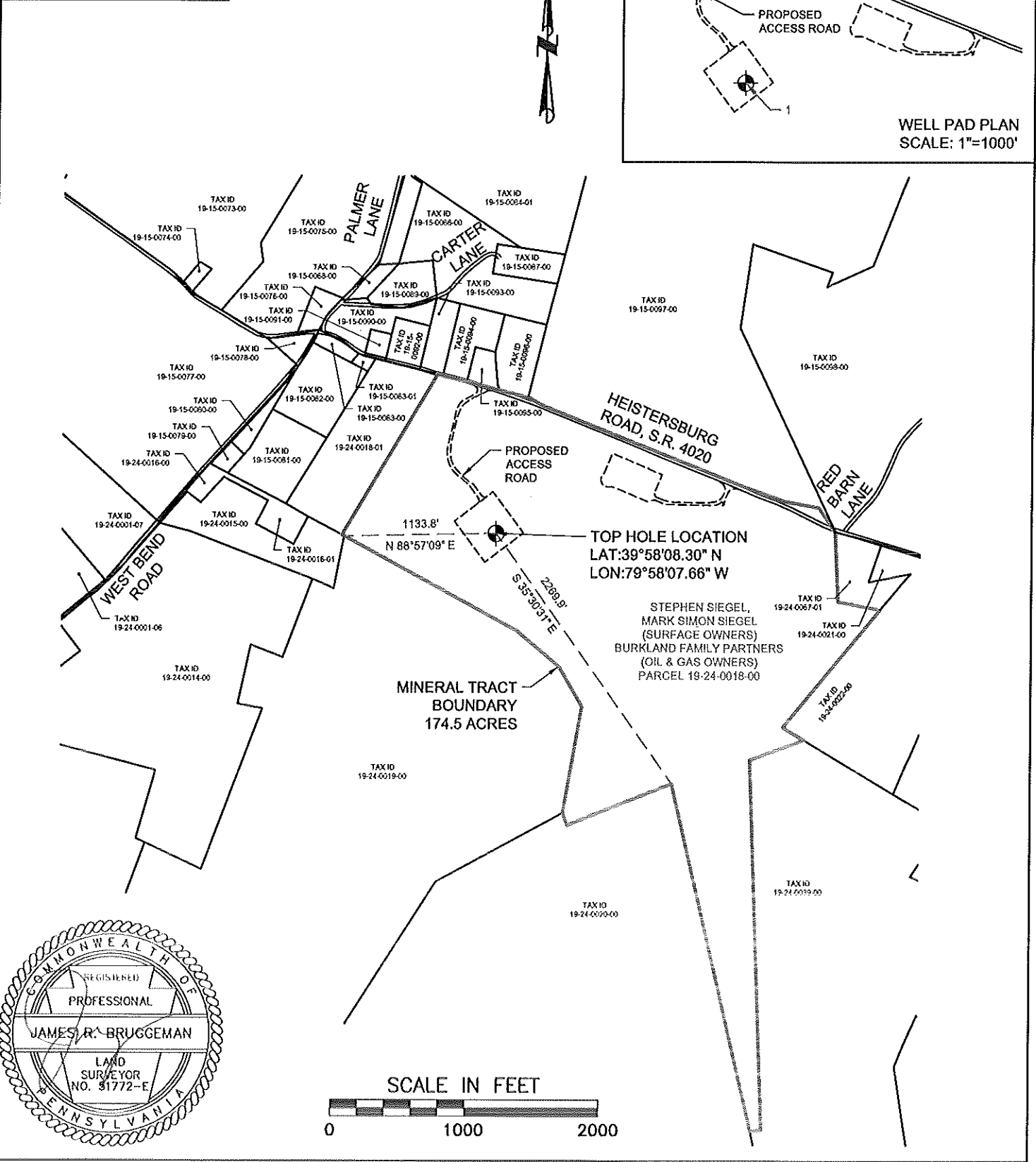
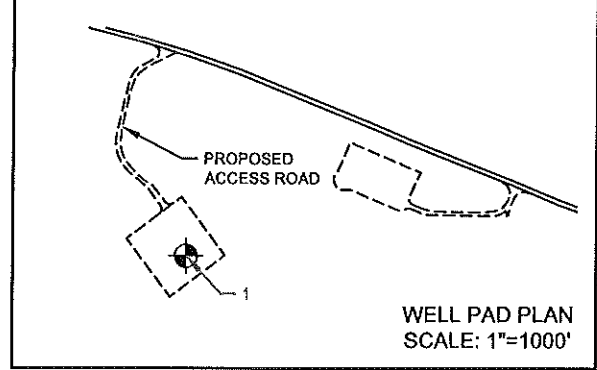
DEP Statewide toll-free phone number for reporting cases of water contamination which may be associated with development of oil and gas resources is **1-866-255-5258**.

Applicant / Well Operator Name	DEP ID#	Well (Farm) Name	Well #	Serial #
Chevron Appalachia, LLC	279986	Siegel	1	MCLS 37-051-2010
Surface Landowner / Lessor		Angle & Course of Deviation (Drilling):	Anticipated True Vertical Depth Feet (TVD):	Anticipated Total Measured Depth Feet (TMD):
Stephen Siegel, Mark Simon Siegel (Surface Owners) Burkland Family Partners (Oil & Gas Owners) Parcel: 19-24-0018-00			7768'	7768'
Target Formation(s):		Deepest Formation to be penetrated:	Number of laterals:	Total footage to be drilled all laterals:
Marcellus		Marcellus	0	
Surface Owner/Water Purveyor w/ Water Supply within 1000'/3000'		Latitude Longitude of Water Supply		
1 - (WS 1) Kara, Mark A. & Mariane R. (Cistern)		N 39° 58' 20.782" W 79° 58' 13.343"		
2 - (WS 2) Kara, Mark A. & Mariane R. (Spring)		N 39° 58' 24.280" W 79° 58' 13.003"		
3 - (WS 3) Conner, James Jack (Well)		N 39° 58' 20.869" W 79° 58' 27.383"		
4 - (WS 4) Christopher, Craig S. (Well)		N 39° 58' 16.769" W 79° 58' 30.387"		
5 - (WS 5) Bookhardt, Trever L. (Well)		N 39° 58' 13.869" W 79° 58' 33.036"		
6 - (WS 7) Broadwater Brent G. & Wanda Y. (Spring)		N 39° 57' 55.128" W 79° 58' 20.899"		
7 - (WS 8) Franks, Russell W. Jr & Charlene D. (Well)		N 39° 58' 07.430" W 79° 57' 28.069"		
8 - (WS 9) Franks, Russell W. Jr & Charlene D. (Well)		N 39° 58' 07.054" W 79° 57' 27.547"		
9 - (WS 18) Palmer, Walter B. & Phyllis M. (Spring)		N 39° 58' 37.925" W 79° 58' 17.678"		
10 - (WS 25) Foster, Nellie P. (Pond)		N 39° 58' 06.377" W 79° 58' 36.202"		
11 - (WS 26) Foster, Nellie P. (Spring)		N 39° 58' 07.081" W 79° 58' 37.687"		
12 - (WS 27) Foster, Nellie P. (Spring)		N 39° 58' 02.213" W 79° 58' 40.212"		
13 - (WS 28) Foster, Nellie P. (Spring)		N 39° 57' 59.952" W 79° 58' 40.233"		
14 - (WS 29) Foster, Nellie P. (Spring)		N 39° 58' 02.139" W 79° 58' 36.559"		
15 - (WS 30) Foster, Nellie P. (Cistern)		N 39° 58' 02.646" W 79° 58' 34.959"		
16 - (WS 32) Frey, James E. & James E. Jr. (Pond)		N 39° 57' 34.100" W 79° 58' 56.477"		
17 - (WS 33) Siegel, Stephen & Mark S. (Spring)		N 39° 58' 01.564" W 79° 57' 52.390"		
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		
Luzerne Township, Fayette County		Borough of Rices Landing, Greene County		
German Township, Fayette County		East Bethlehem Township, Washington County		
Redstone Township, Fayette County		Centerville Borough, Washington County		
Brownsville Township, Fayette County		Coal related parties		
Borough of Brownsville, Fayette County		Waynesburg Seam: Stephen Siegel and Mark Simon Siegel		
Cumberland Township, Greene County				
Jefferson Township, Greene County				

WELL LOCATION PLAT
PAGE 3 Plan View of Deviated Well Bore

Applicant/Well Operator Name: Chevron Appalachia, LLC.	DEP ID # 279986	Well (Form) Name: Siegel	Well #: 1
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True Latitude: NORTH			
39	°	58	' 08 . 30 "
True Longitude: WEST			
79	°	58	' 07 . 66 "





DEP USE ONLY
Application Tracking #
STANDARD ACT METHOD

Proposed Alternate Method or Material for Casing, Plugging, Venting or Equipping a Well

Well Operator Chevron Appalachia, LLC		DEP ID# 279986		Well Permit or Registration Number	
Address 800 Mountain View Drive			Well Farm Name Siegel		
City Smithfield		State PA	Zip Code 15478	Well # 1	Serial # MCLS 37-051-2010
Phone 724-564-3748		Fax 724-564-3894		County Fayette	Municipality Luzerne Township

A proposed alternate method is subject to provisions in §3221 of the 2012 Oil and Gas Act, 58 Pa. C.S. §3221 Section 13 of the Coal and Gas Resource Coordination Act, 58 P.S. §513 and 25 PA Code §§78.75-78.75a (relating to Alternate Methods.) **Attach proof of notification of coal operator(s).**

Describe in reasonable detail using a written description and / or diagram:

1. the proposed alternate method or materials, and
2. the manner in which the alternative will satisfy the goals of the laws and regulations.

1. Problem

According to 25 PA Code Section 78.83(h) the maximum allowable hole drilled below the bottom of a mined out coal seam is 50 feet. In this area, 50 feet below the open mine is inadequate to collect the excess cavings encountered and run our coal mine protection string a minimum of 30 feet below the bottom of the mine (a DEP requirement). No gas zones are known to exist within 100 feet below the mine.

2. Recommendation

Drill no more than 100 feet below the bottom of the mine; set the coal protection casing at least 30 feet (and perhaps more than 50 feet if the hole conditions dictate) below the bottom of the coal mine and cement to surface according to 25 PA Code Section 78.83(h).

Optional: Approval by Coal Owner or Operator		Signature of Applicant / Well Operator	
Signature <i>Stephen Siegel</i>	Date 6/12/15	Signature <i>Branden Weimer</i>	Date 7/7/15
Print or Type Signer's Name and Title Stephen Siegel		Print or Type Signer's Name and Title Branden Weimer Permitting Team Lead	

If optional approval is signed by coal owner or operator, the 15-day objection period may be waived.

DEP USE ONLY		
Approved by (DEP Manager) <i>Eric A. K...</i>	Conditions <input type="checkbox"/> YES, See Attached <input checked="" type="checkbox"/> NO	Date 8/12/2015



DEP USE ONLY
Application Tracking #
STANDARD ALT METHOD

Proposed Alternate Method or Material for Casing, Plugging, Venting or Equipping a Well

Well Operator Chevron Appalachia, LLC		DEP ID# 279986	Well Permit or Registration Number	
Address 800 Mountain View Drive			Well Farm Name Siegel	
City Smithfield	State PA	Zip Code 15478	Well # 1	Serial # MCLS 37-051-2010
Phone 724-564-3748	Fax 724-564-3894	County Fayette		Municipality Luzerne Township

A proposed alternate method is subject to provisions in §3221 of the 2012 Oil and Gas Act, 58 Pa. C.S. §3221 Section 13 of the Coal and Gas Resource Coordination Act, 58 P.S. §513 and 25 PA Code §§78.75-78.75a (relating to Alternate Methods.) **Attach proof of notification of coal operator(s).**

Describe in reasonable detail using a written description and / or diagram:

1. the proposed alternate method or materials, and
2. the manner in which the alternative will satisfy the goals of the laws and regulations.

1. Problem

According to 25 PA Code Section 78.83(h) the maximum allowable hole drilled below the bottom of a mined out coal seam is 50 feet. In this area, 50 feet below the open mine is inadequate to collect the excess cavings encountered and run our coal mine protection string a minimum of 30 feet below the bottom of the mine (a DEP requirement). No gas zones are known to exist within 100 feet below the mine.

2. Recommendation

Drill no more than 100 feet below the bottom of the mine; set the coal protection casing at least 30 feet (and perhaps more than 50 feet if the hole conditions dictate) below the bottom of the coal mine and cement to surface according to 25 PA Code Section 78.83(h).

Optional: Approval by Coal Owner or Operator		Signature of Applicant / Well Operator	
Signature 	Date 6/26/15	Signature 	Date 7/7/15
Print or Type Signer's Name and Title MARK S. SIEGEL		Print or Type Signer's Name and Title Branden Weimer Permitting Team Lead	

If optional approval is signed by coal owner or operator, the 15-day objection period may be waived.

DEP USE ONLY		
Approved by (DEP Manager) 	Conditions <input type="checkbox"/> YES, See Attached <input checked="" type="checkbox"/> NO	Date 8/12/2015