



## **eWell Submission**

Commonwealth of Pennsylvania  
Department of Environmental Protection  
Bureau of Oil & Gas Management  
400 Waterfront Drive  
Pittsburgh, PA 15222-4745

**Re: Well Permit Application – Due Diligence  
Sasso Leonard Unit 5H  
API# 37-125-28512-00-00  
SmithTwp., Washington Co.**

To Whom It May Concern:

Please note the referenced well application is being submitted today for due diligence.

If you have any questions, please contact me at 724-743-5260.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Laura M Rusmiser'.

Laura M Rusmiser E.I.T  
Manager Regulatory Compliance PA  
Range Resources-Appalachia, LLC

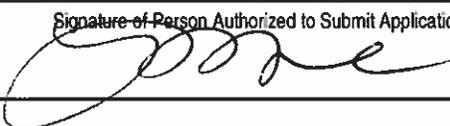
Enclosure



## PERMIT APPLICATION TO DRILL AND OPERATE AN UNCONVENTIONAL WELL

Please read instructions before you begin filling in this form.

WELL INFORMATION										
Well Operator Range Resources - Appalachia, LLC		DEP ID# 141142	Well API No. 37-125-28512-00-00		Well Farm Name Sasso Leonard Unit		Well # 5H			
Address 3000 Town Center Blvd.			LAT 40 . 22 04.38		NAD 83	Project Number		Serial #		
			LONG - 80. 21 28.31							
City Canonsburg		State PA	Zip Code 15317	Municipality Name/ City, Borough, Township Smith / Township			County Washington			
Phone No. 724/743-6700		Fax No. 724/743-6790		Email lrusmisel@rangeresources.com		USGS 7.5 min. quadrangle map Midway		Section 1		
24/7 Emergency Phone Contact No.: 724/825-9772			ESGP Permit No. ESX12-125-0139			Well Pad (cluster) Name/Identification Sasso Leonard Unit				
911 address of well site (if available) 822 Joffre Cherry Valley Rd., Burgettstown, PA 15021										
Surface Elev. 1072	Deepest Formation to be Penetrated Marcellus		Anticipated TVD 6240			<b>PERMIT TYPE</b> Check applicable. Application is to <input checked="" type="checkbox"/> Modify existing well/permit	<b>TYPE OF WELL</b> Check applicable. <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Comb. (gas & oil/condensate)		<b>APPLICATION FEE</b> Check applicable. <input type="checkbox"/> Vertical <input checked="" type="checkbox"/> Non-vertical	
Target Formation(s) Proposed for Production Marcellus		Anticipated Target Top/Bottom TVD 6240 / 6270			<b>Configuration</b> <input type="checkbox"/> Vertical <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Deviated <input type="checkbox"/> Multiple laterals		<b>Total Application Fee</b> \$ 5,250.00		<b>Bond Agreement Id:</b> #6855	
Number of wellbore laterals proposed under this application 1.										
Total feet of wellbore to be drilled under this application 14501 Ft.										
<b>PNDI Attached:</b> <input checked="" type="checkbox"/> Any threatened or endangered "hit" must include a demonstration of how the impact will be avoided or minimized and mitigated, or justification that section 78a.15(e) applies.										
Application submitted as: <input type="checkbox"/> Coal well (Attach Coal Module) <input checked="" type="checkbox"/> Non coal well (Attach justification)										
<b>COORDINATION WITH REGULATIONS AND OTHER PERMITS</b>							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 proposed limit of disturbance of the well site be within 100 feet measured horizontally from any watercourse or any high quality of exceptional value body of water or any wetland one acre or greater in size?							<input type="checkbox"/>	<input checked="" type="checkbox"/>		
If yes, attach the following if applicable: a site-specific E&S control plan, a permit consistent with Chapter 102, applicable portions of the Pollution Prevention Control Plan, applicable portions of the Well Site Emergency Response Plan, applicable portions of the Site Containment Plan, the permit number of a Water Obstruction and Encroachment Permit issued pursuant to Chapter 105, or justification that section 78a.15(e) applies.							<input type="checkbox"/>	<input 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, attach a plan that identifies the additional measure, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the Commonwealth							<input type="checkbox"/>	<input type="checkbox"/>		

COORDINATION WITH REGULATIONS AND OTHER PERMITS (cont'd)		Yes	No
3. Will the vertical wellbore section penetrate or be within 3,000 feet of an active gas storage reservoir boundary?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
a. If Yes, print the names of:	Storage Field: _____ Operator: _____		
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 section of the unconventional well be drilled within 500 feet from any existing building or an existing water supply?		<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"/>
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. Is this permit application for a well that will be drilled on a well site for which construction was completed prior to April 16, 2012?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
a. If "Yes," was there a permitted well at this well site prior to April 16, 2012?		<input type="checkbox"/>	<input type="checkbox"/>
b. If the answer to question no. 6a is "Yes", provide the US Well Number (API No.) of the well permitted at this site prior to April 16, 2012. _____		<input type="checkbox"/>	<input type="checkbox"/>
7. 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 8000-PM-OOGM0076? If yes, attach a completed copy of the form.		<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. 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?  Provide name of special protection watershed _____.		<input type="checkbox"/>	<input checked="" type="checkbox"/>
9. 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. ESX12-125-0139 _____  If no, is this well part of a development that involves 1 to less than 5 acres of earth disturbance over the life of the project and is the answer to question no. 8 "Yes"? If yes, attach a site-specific E&S control plan.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Is the well to be located within a H <sub>2</sub> S area pursuant to §78a.77a?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. Attach a current Ownership & Control form 8000-FM-OOGM0118 with the first application submitted after the effective date of the final "Environmental Protection Performance Standards at Oil and Gas Well Sites" rulemaking, or if there have been any changes to parent and subsidiary business corporations.			
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: LAURA M RUSMISEL E.I.T. Title: Manager Regulatory Compliance PA	Date 5-13-2019
Application Preparer/Contact: YVONNE PLUTE		Phone: 724/743-5260	

Sasso Leonard Unit 5H