



August 27, 2019

Tarentum Borough
318 E 2nd Ave
Tarentum, Pa 15084

RE: BAKERSTOWN ROAD UNIT 12H

To Whom It May Concern:

This letter will serve as formal notification that under the provisions of Oil and Gas Act 223/13, it is required by law that operators notify:

- Surface landowners of a proposed well site;
- Host municipality, adjacent municipalities and municipalities within 3,000 feet of a proposed unconventional vertical well bore;
- Gas storage operators if the well is within a gas storage area, or reservoir protective area within 3,000 feet from the proposed unconventional vertical well bore;
- Coal owners, lessees and operators of the coal underlying a proposed well site, if applicable;
- Surface owners/water purveyors whose water supplies are located within 3,000 feet of a proposed unconventional vertical well bore.

Enclosed please find the Well Location Plat for above referenced well(s) and Notification of Surface Landowner/Water Purveyor of Well Drilling Operation or Alteration form. Should you have any questions regarding this notification, please contact the undersigned at 724/873-3226.

You may also contact the Range Resources Response Center by phone at 724/754-5999 or email at responsecenter@rangeresources.com concerning this notice or with any other questions or concerns.

Sincerely,

Yvonne Plute

Regulatory Compliance Technician II
Range Resources-Appalachia, LLC

Enclosure

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

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

PAGE 1 Surface location

	Denotes location of well on topo map
True Latitude: NORTH (NAD83) 40° 37' 30.29"	
True Longitude: WEST (NAD83) 79° 47' 01.70"	

Well is located on topo map 15149 feet south of latitude 40° 40' 00"

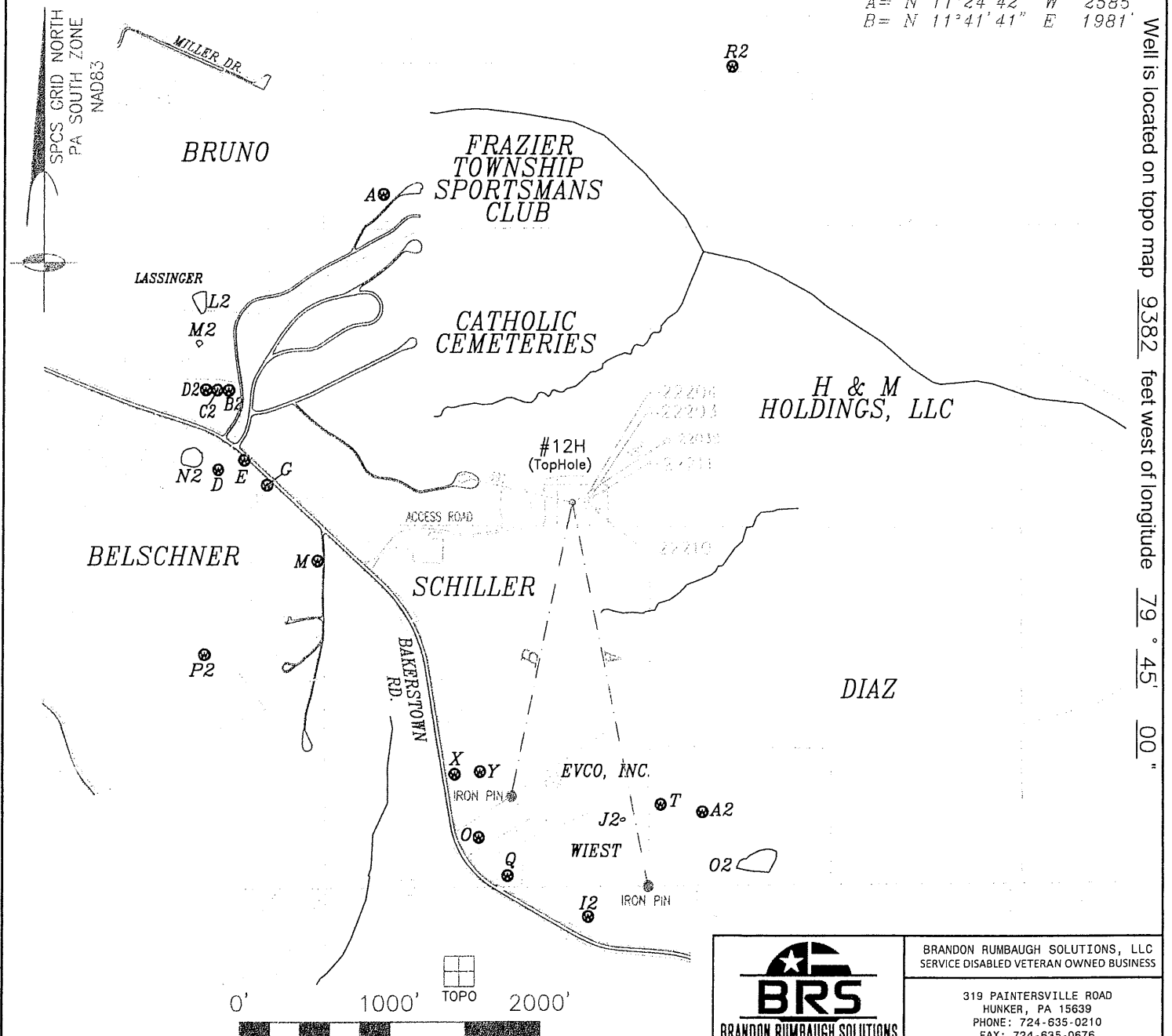
NOTE:

THIS PLAT IS FOR WELL LOCATION PURPOSES ONLY AND DOES NOT REPRESENT A COMPLETE BOUNDARY SURVEY. CORNERS AND LINES PERTINENT TO LOCATING THE PROPOSED WELL ARE FROM FIELD SURVEY. OTHER LINES AND FEATURES SHOWN ARE FROM TAX MAPS AND/OR DEEDS. THE INFORMATION PRESENTED SHOULD NOT BE UTILIZED FOR ANY OTHER PURPOSES. THIS PROPERTY IS SUBJECT TO ANY EASEMENTS, RIGHT-OF-WAY AND/OR ENCUMBRANCES BOTH APPARENT AND OF RECORD. NO TITLE SEARCH HAS BEEN MADE IN PREPARATION OF THIS WELL PLAT.

LEGEND	
	SURFACE BOUNDARY
	PROPOSED WELL TOPHOLE
	EXISTING WELL
	SURFACE LANDOWNER - WATER SUPPLY
	WELL TIE LINES
	STREAMS
	EXISTING STRUCTURE

A = N 11°24'42" W 2585'
B = N 11°41'41" E 1981'

Well is located on topo map 9382 feet west of longitude 79° 45' 00"



BRANDON RUMBAUGH SOLUTIONS, LLC
SERVICE DISABLED VETERAN OWNED BUSINESS

319 PAINTERSVILLE ROAD
HUNKER, PA 15639
PHONE: 724-635-0210
FAX: 724-635-0676

Applicant / Well Operator Name: RANGE RESOURCES - APPALACHIA, LLC		DEP ID #: 141142		Well (Farm) Name: BAKERSTOWN ROAD UNIT		Well #: 12H		Serial #:	
Address: 3000 TOWN CENTER BLVD., CANONSBURG, PA 15317				County: ALLEGHENY		Municipality: FRAZER TOWNSHIP		Well Type: GAS	
911 Address of Well Site: 1872 BAKERSTOWN RD., TARENTUM, PA 15084				USGS 7 1/2' Quadrangle Map Name: CURTISVILLE		Map Section: 9		Surface Elevation: 1147	
Surveyor or Engineer: MICHAEL ANDREW MISAK BRANDON RUMBAUGH SOLUTIONS, LLC		Phone #: (724)635-0210		Dwg. #: RRC-0034		Date: 08/27/2019		Scale: 1" = 1000'	
Lat. & Long Metadata Method: Direct GPS		Accuracy: SUB-METER		ft. Datum: NAD 83		Elevation Metadata Method: Direct GPS		Accuracy: 2'	
						ft. Datum: NAVD 88		Survey Date: 5/25/2012	
								Tract Acreage: 180.4875	

PAGE 2 Notifications

associated with development of oil & gas resources is **1-866-255-5158**.

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WELL LOCATION PLAT

Page 4 Cross Section

Applicant/Well Operator Name
Range Resources - Appalachia, LLCDEP ID#
141142Well (Farm) Name
BAKERSTOWN ROAD UNITWell #
12H

Well Plan

Operator Name: Range Resources - Appalachia, LLC

Well/Farm name: BAKERSTOWN ROAD UNIT

DEP Use Only	Permit #
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Latitude

Longitude

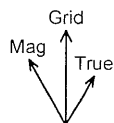
Notes:

KOP: TVD: 5822.00 TMD: 5822.00 N 40° 37' 30.29" W 79° 47' 01.70"

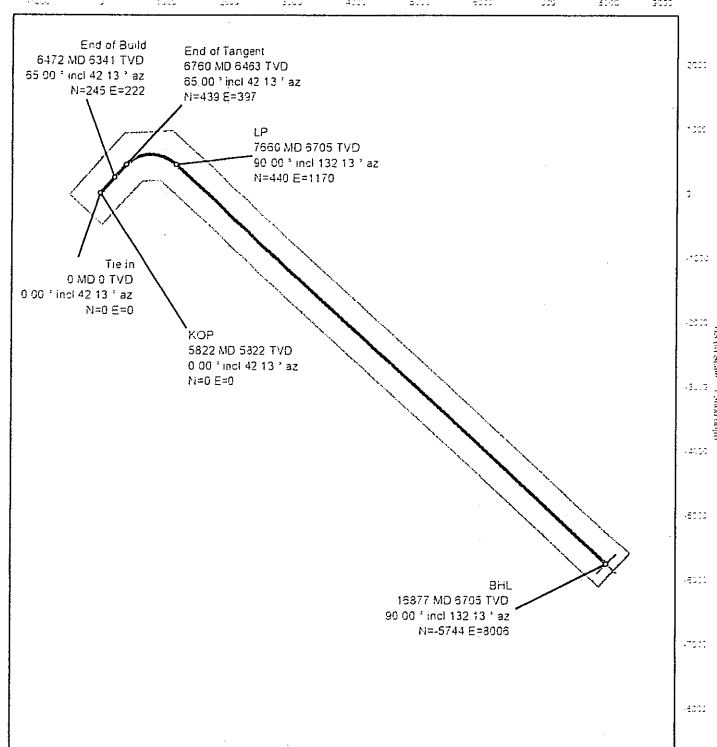
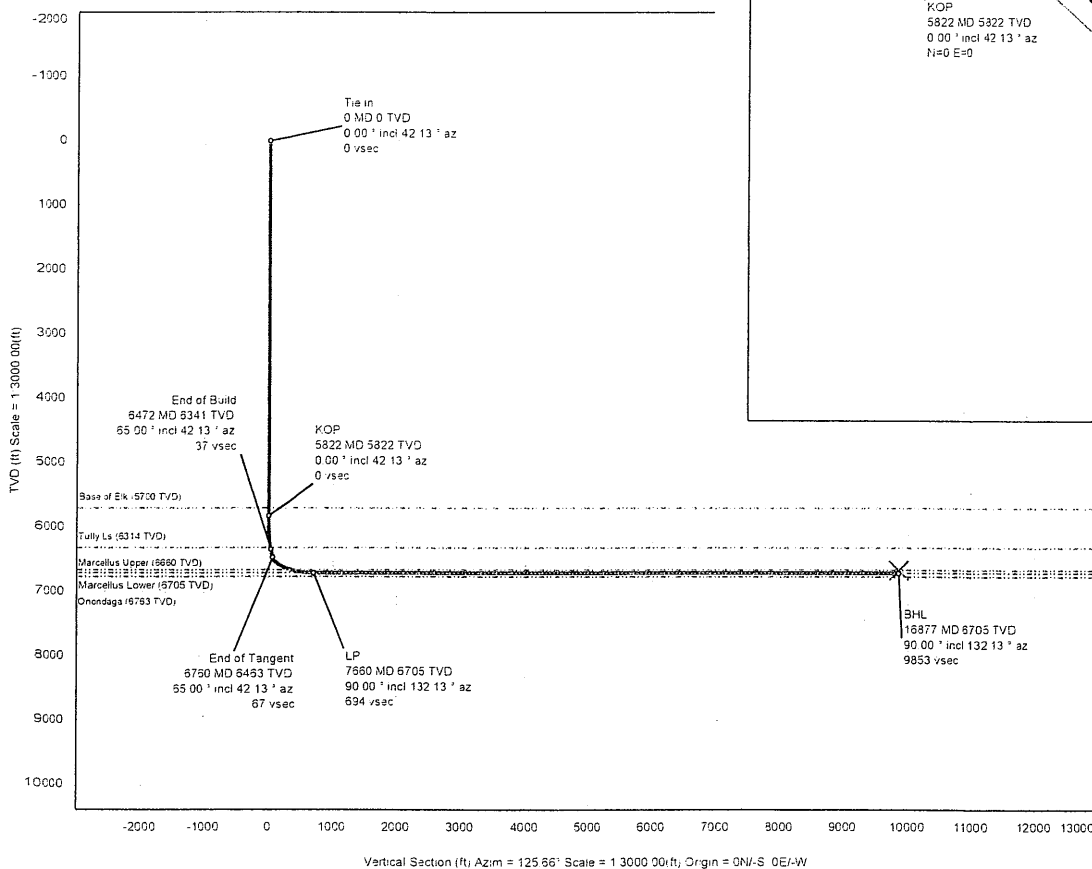
Landing Point: TVD: 6705.00 TMD: 7659.61 N 40° 37' 34.90" W 79° 46' 46.66"

Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
Tie in	0.00	0.00	42.13	0.00	0.00	0.00	0.00	0.00
Base of Elk	5700.00	0.00	42.13	5700.00	0.00	0.00	0.00	0.00
Rhonestreet	5810.00	0.00	42.13	5810.00	0.00	0.00	0.00	0.00
KOP	5822.00	0.00	42.13	5822.00	0.00	0.00	0.00	0.00
Middlesex	6134.75	36.23	42.13	6131.00	12.52	82.36	74.49	10.00
Burket	6375.57	55.47	42.13	6294.00	27.98	134.05	156.47	10.00
Tully Ls	6413.72	59.17	42.13	6314.00	31.49	207.17	187.38	10.00
End of Build	6472.00	55.00	42.13	6341.27	37.25	245.34	221.91	10.00
End of Tangent	6750.00	65.00	42.13	6462.56	66.72	438.93	397.00	10.00
Marcellus Upper	7304.57	75.79	99.24	6860.00	352.83	591.25	553.47	10.00
LP	7659.51	90.00	132.13	6705.00	694.30	439.69	1189.94	10.00
Marcellus Lower	15877.15	90.00	132.13	6705.00	9853.05	-5743.54	8005.93	0.00
BHL	15877.15	90.00	132.13	6705.00	9853.05	-5743.54	8005.93	0.00
Onondaga	NaN	NaN	NaN	6783.00	NaN	NaN	NaN	NaN
Huntersville Chert	NaN	NaN	NaN	6779.00	NaN	NaN	NaN	NaN
Oriskany	NaN	NaN	NaN	7029.00	NaN	NaN	NaN	NaN

Elev = 8296.41 ± 0.02 (0.00)



Grid North
Tot Corr (M→G -8.120°)
Mag Dec (-9.439°)
Grid Conv (-1.320°)



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.