



December 23, 2019

Peters Township
610 East McMurray Rd
Canonsburg, Pa 15317

To Whom It May Concern:

RE: AUGUSTINE GEORGE 11039 1H, 2H,13H, 14H

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 724/873-3247.

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,

Teresa Matinko
Lead Regulatory Compliance Technician
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 #:	



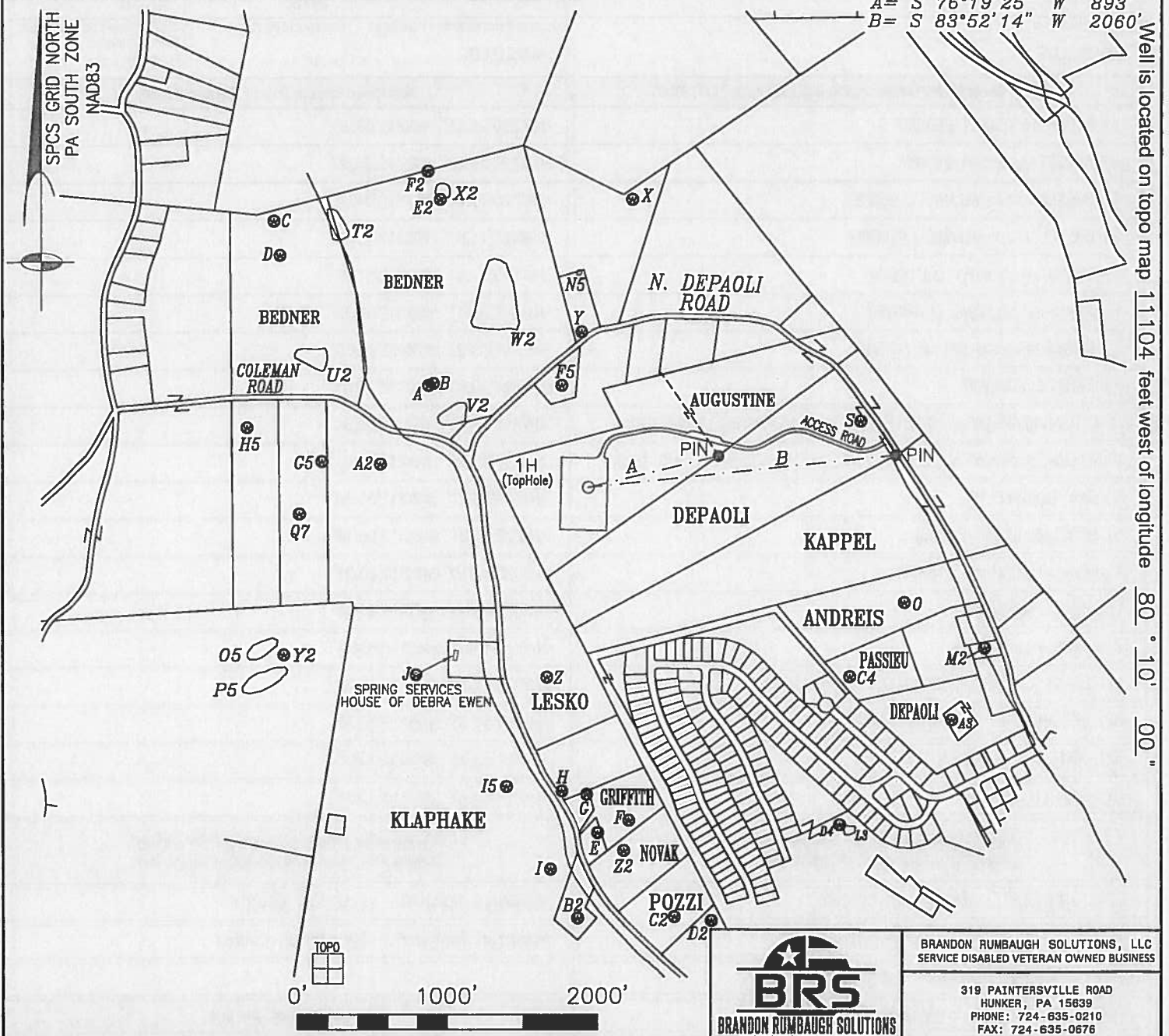
PAGE 1 Surface location

Denotes location of well on topo map
True Latitude: NORTH (NAD83) 40° 20' 00.13"
True Longitude: WEST (NAD83) 80° 12' 23.42"

Well is located on topo map 15166 feet south of latitude 40° 22' 30"

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.

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



Applicant / Well Operator Name: RANGE RESOURCES - APPALACHIA, LLC		DEP ID #: 141142	Well (Farm)Name: AUGUSTINE GEORGE 11039		Well #: 1H	Serial #:
Address: 3000 TOWN CENTER BLVD., CANONSBURG, PA 15317		County: WASHINGTON COUNTY	Municipality: CECIL TOWNSHIP		Well Type: GAS	
911 Address of Well Site: 128 NORTH DEPAOLI RD., MCDONALD, PA 15057		USGS 7 1/2' Quadrangle Map Name: CANONSBURG	Map Section: 2	Surface Elevation: 1228		
Surveyor or Engineer: MICHAEL ANDREW MISAK BRANDON RUMBAUGH SOLUTIONS, LLC	Phone #: (724)635-0210	Dwg. #: RRC-0018 1H	Date: 12/19/2019	Scale: 1" = 1000'	Tract Acreage: 346.5699	
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: 12/6/2017



BRANDON RUMBAUGH SOLUTIONS, LLC
SERVICE DISABLED VETERAN OWNED BUSINESS

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

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 & gas resources is **1-866-255-5158**.

Applicant / Well Operator Name: RANGE RESOURCES – APPALACHIA, LLC		DEP ID #: 141142	Well (Farm) Name: AUGUSTINE GEORGE 11039	Well #: 1H	Serial #:
Surface Landowner / Lessor: DEBORAH & GEORGE AUGUSTINE			Angle & Course of Deviation (Drilling): SEE PAGE 4	Anticipated True Vertical Depth Feet (TVD): 6720	Anticipated Total Measured Depth Feet (TMD): 27320
Target Formation (s): MARCELLUS			Deepest Formation to be Penetrated: MARCELLUS	Number of laterals: 1	Total Wellbore Footage to be drilled all laterals: 27320
Surface Owner/Water Purveyor w/Water Supply within 1000'/3000'			Latitude / Longitude of Water Supply		
A) ROBERT & SUSAN BEDNER			N40°20'06.54" W80°12'37.38"		
B) ROBERT & SUSAN BEDNER			N40°20'06.68" W80°12'36.99"		
C) RUSSELL A & MELANIE L BEDNER			N40°20'17.04" W80°12'51.06"		
D) RUSSELL A & MELANIE L BEDNER			N40°20'14.81" W80°12'50.47"		
E) GERALD W & MARY LOU ORBIN			N40°19'37.41" W80°12'21.79"		
F) JOSHUA D & JOANE J GRIFFITH			N40°19'38.31" W80°12'19.15"		
G) DENNIS JR & MEGAN M FLEEHER			N40°19'39.92" W80°12'22.85"		
H) PATRICK SCHEIDER			N40°19'40.09" W80°12'25.01"		
I) WILLIAM KLAPHAKE & CECYLE KLAPHAKE REVOCABLE LIVING TRUST			N40°19'34.95" W80°12'25.84"		
J) WILLIAM KLAPHAKE & CECYLE KLAPHAKE REVOCABLE LIVING TRUST			N40°19'47.46" W80°12'37.81"		
O) GARY ANDREIS JR			N40°19'53.21" W80°11'55.96"		
S) PETER & EILEEN DEPAOLI			N40°20'05.04" W80°12'00.12"		
X) KEVIN P & KAREN J BEYER			N40°20'19.18" W80°12'20.27"		
Y) APRIL L GARDNER			N40°20'10.36" W80°12'24.36"		
Z) MERLE W LESKO JR			N40°19'47.57" W80°12'26.60"		
A2) FRANK & TERESA KAPTON & V K RIEGNER			N40°20'01.26" W80°12'41.39"		
B2) RICHARD A & TORNABENE DACHILLE			N40°19'31.78" W80°12'23.38"		
C2) DONALD P & KAREN L POZZI			N40°19'32.06" W80°12'15.06"		
D2) DAVID M KIMMICK			N40°19'29.73" W80°12'11.98"		
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		
CECIL TOWNSHIP – WASHINGTON COUNTY			MCDONALD BOROUGH– ALLEGHENY COUNTY		
MCDONALD BOROUGH – WASHINGTON COUNTY			ROBINSON TOWNSHIP – WASHINGTON COUNTY		
MOUNT PLEASANT TOWNSHIP – WASHINGTON COUNTY					
CHARTIERS TOWNSHIP – WASHINGTON COUNTY			Coal related parties		
CANONSBURG BOROUGH – WASHINGTON COUNTY			NON – COAL		
NORTH STRABANE TOWNSHIP – WASHINGTON COUNTY					
PETERS TOWNSHIP – WASHINGTON COUNTY					
UPPER ST CLAIR TOWNSHIP – ALLEGHENY COUNTY					
SOUTH FAYETTE TOWNSHIP – ALLEGHENY COUNTY					

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 & gas resources is **1-866-255-5158**.

Applicant / Well Operator Name: RANGE RESOURCES – APPALACHIA, LLC		DEP ID #: 141142	Well (Farm)Name: AUGUSTINE GEORGE 11039	Well #: 1H	Serial #:
Surface Landowner / Lessor: DEBORAH & GEORGE AUGUSTINE		Angle & Course of Deviation (Drilling): SEE PAGE 4		Anticipated True Vertical Depth Feet (TVD): 6720	Anticipated Total Measured Depth Feet (TMD): 27320
Target Formation (s): MARCELLUS		Deepest Formation to be Penetrated: MARCELLUS		Number of laterals: 1	Total Wellbore Footage to be drilled all laterals: 27320
Surface Owner/Water Purveyor w/Water Supply within 1000'/3000'			Latitude / Longitude of Water Supply		
E2) ROBERT & SUSAN BEDNER		N40°20'18.80" W80°12'36.81"			
F2) ROBERT & SUSAN BEDNER		N40°20'20.63" W80°12'37.92"			
M2) DENNY C & LINDA M DERRICO		N40°19'50.37" W80°11'48.83"			
T2) ROBERT & SUSAN BEDNER		N40°20'16.17" W80°12'44.74"			
U2) RUSSELL A & MELANIE L BEDNER		N40°20'07.34" W80°12'46.46"			
V2) ROBERT & SUSAN BEDNER		N40°20'04.26" W80°12'34.17"			
W2) ROBERT & SUSAN BEDNER		N40°20'10.37" W80°12'29.98"			
X2) ROBERT & SUSAN BEDNER		N40°20'18.96" W80°12'36.09"			
Y2) PETE J CIAFFONI JR & MARIBETH MILLER ET AL		N40°19'48.53" W80°12'49.22"			
Z2) EDWARD F NOVAK		N40°19'36.31" W80°12'19.51"			
A3) ALAN & SHARON DEPAOLI		N40°19'45.59" W80°11'51.56"			
L3) WINDSOR WOODS LLC		N40°19'38.30" W80°12'00.65"			
C4) BONITA & RENEE PASSIEU		N40°19'48.20" W80°12'00.47"			
D4) WINDSOR WOODS LLC		N40°19'38.42" W80°12'00.97"			
F5) JOSHUA N & MICHELLE L STONEMARK		N40°20'06.80" W80°12'25.99"			
G5) JEFFREY J & NADINE M MCKEAN		N40°20'01.32" W80°12'46.40"			
H5) STEVEN J & KRISTA M MCKEAN		N40°20'03.40" W80°12'52.89"			
I5) WILLIAM KLAPHAKE & CECYLE KLAPHAKE REVOCABLE LIVING TRUST		N40°19'40.29" W80°12'29.83"			
N5) APRIL L GARDNER		N40°20'14.12" W80°12'24.90"			
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		
			Coal related parties		

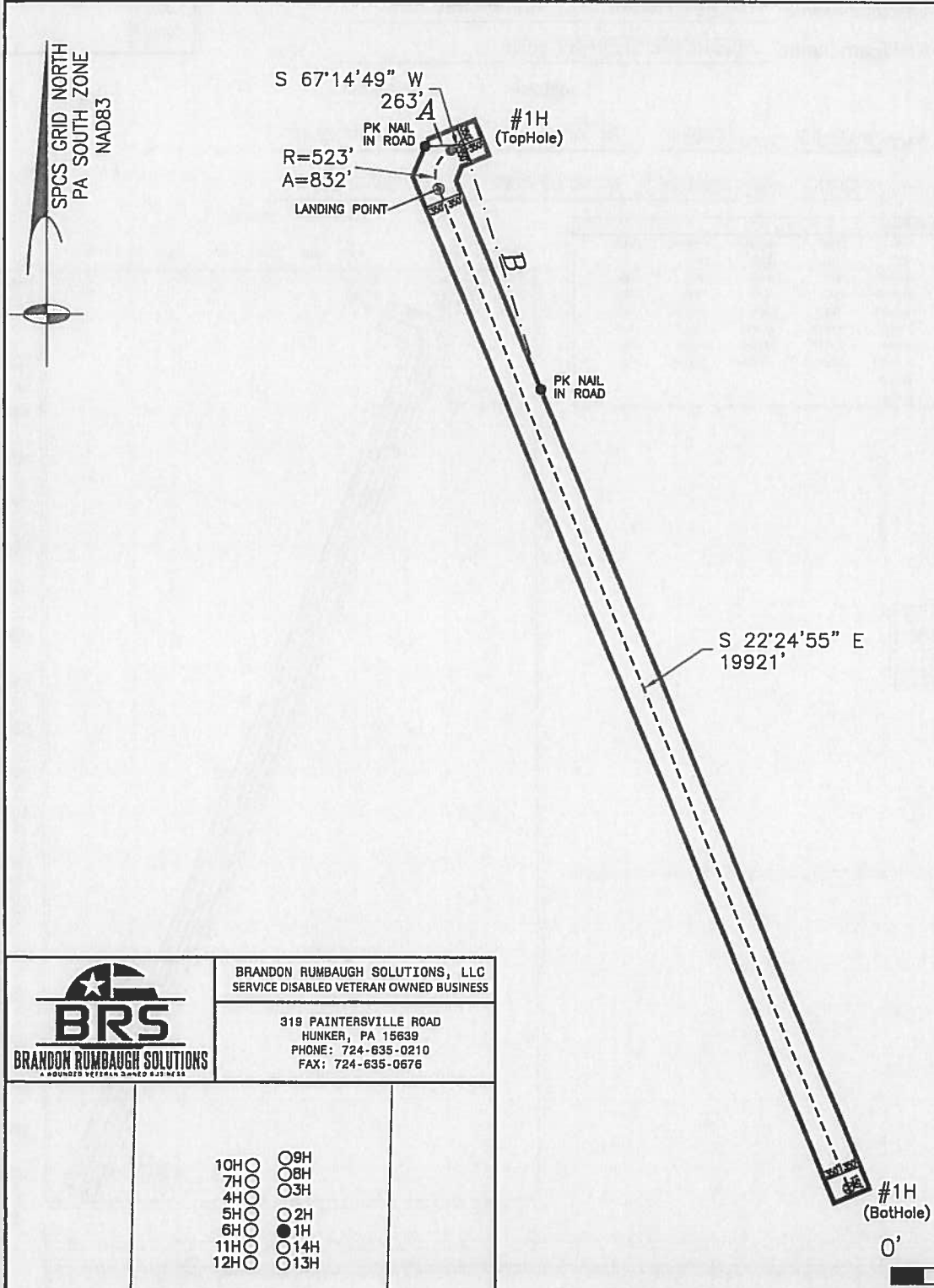
WELL LOCATION PLAT

PAGE 3 Plan View Of Deviated Well Bore

If well has a lateral other than vertical show the bottom hole location on the plat drawing as ⊗ and include the Coordinates in the provided section at the bottom of the drawing area. The top hole and bottom hole locations are to be connected by a bolded line this is to depict the proposed courses of the actual wellbore to be drilled.

Applicant / Well Operator Name: RANGE RESOURCES – APPALACHIA, LLC	DEP ID #: 141142	Well (Farm) Name: AUGUSTINE GEORGE 11039	Well #: 1H	Serial #:
--	---------------------	---	---------------	-----------

LEGEND	
○	PROPOSED WELL TOPHOLE
⊙	PROPOSED WELL LANDING POINT
⊗	PROPOSED WELL BOTTOMHOLE
----	WELL BORE
---	WELL TIE LINES
=====	MINERAL TRACT BOUNDARY



346.5699 ACRES
 A = N 87°52'44" E 711'
 B = N 17°40'09" W 4732'

BRS
BRANDON RUMBAUGH SOLUTIONS
A FOUNDED VETERAN OWNED BUSINESS

BRANDON RUMBAUGH SOLUTIONS, LLC
SERVICE DISABLED VETERAN OWNED BUSINESS

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

- | | |
|------|------|
| 10HO | ○09H |
| 7HO | ○08H |
| 4HO | ○03H |
| 5HO | ○02H |
| 6HO | ●1H |
| 11HO | ○14H |
| 12HO | ○13H |

WELL PAD

SCALE: 1"=200'

Proposed Top Hole	Proposed Landing Point	Proposed Bottom Hole
Latitude: NORTH NAD83 40° 20' 00.13"	Latitude: NORTH NAD83 40° 19' 51.96"	Latitude: NORTH NAD83 40° 16' 52.12"
Longitude: WEST NAD83 80° 12' 23.42"	Longitude: WEST NAD83 80° 12' 29.15"	Longitude: WEST NAD83 80° 10' 44.56"

WELL LOCATION PLAT
Page 4 Cross Section

Applicant/Well Operator Name Range Resources - Appalachia, LLC	DEP ID# 141142	Well (Farm) Name AUGUSTINE GEORGE 11039	Well # 1H
---	-------------------	--	--------------

Well Plan

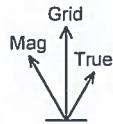
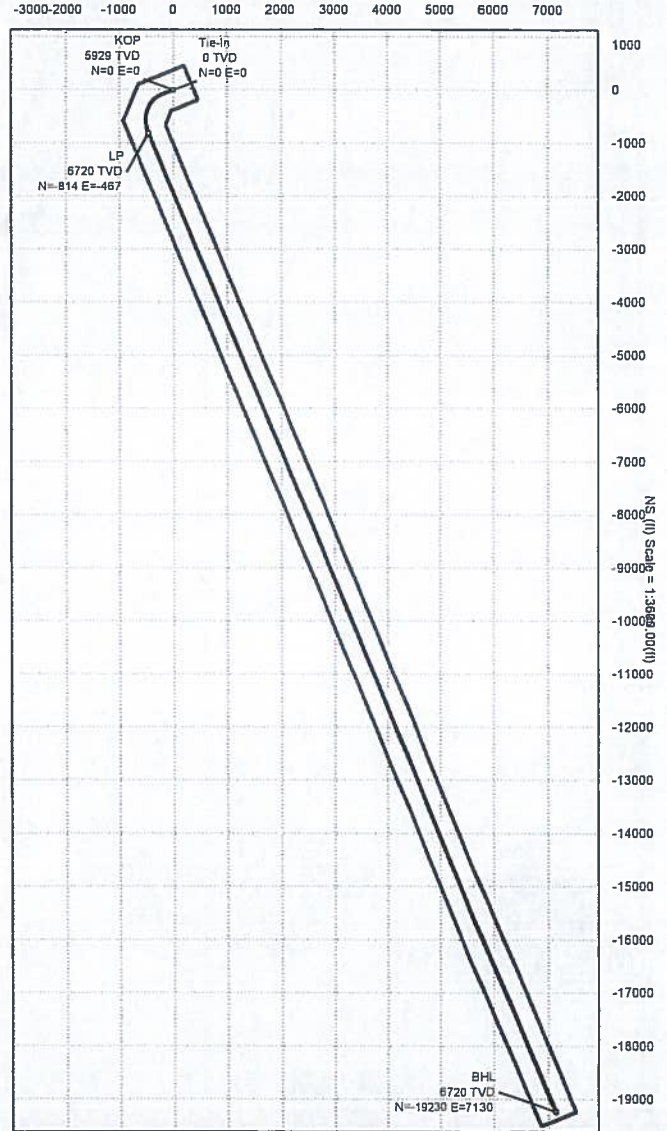
Operator Name: Range Resources - Appalachia, LLC
Well/Farm name: AUGUSTINE GEORGE 11039

DEP Use Only	Permit #
--------------	----------

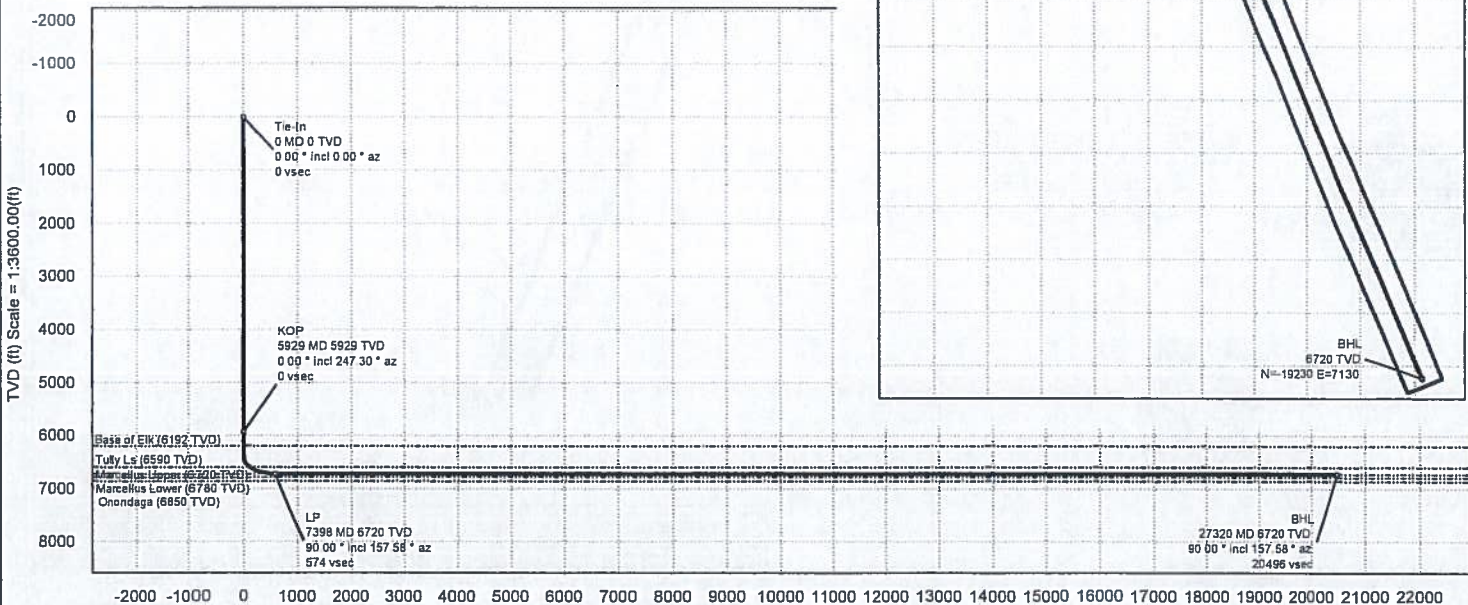
Latitude Longitude Notes:
KOP: TVD: 5929.00 TMD: 5929.00 N 40° 20' 00.13" W 80° 12' 23.42"
Landing Point: TVD: 6720.00 TMD: 7398.40 N 40° 19' 51.96" W 80° 12' 29.15"

Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
Tie-In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP	5929.00	0.00	247.30	5929.00	0.00	0.00	0.00	0.00
Base of Elk	6202.24	27.32	247.30	6192.00	0.31	-24.67	-58.98	10.00
Tuffy Ls	6854.12	63.82	207.18	6590.00	108.20	-306.09	-458.31	10.00
LP	7398.40	90.00	157.58	6720.00	574.23	-813.69	-466.72	10.00
Marcellus Upper	7398.40	50.00	157.58	6720.00	574.23	-813.69	-466.72	10.00
BHL	27320.40	90.00	157.58	6720.00	20496.23	-19230.46	7129.88	0.00
Onondaga	NaN			6850.00				
Marcellus Lower	NaN			6780.00				

EW (ft) Scale = 1:3600.00(ft)



Grid North
Tot Corr (M->G -8.055°)
Mag Dec (-9.648°)
Grid Conv (-1.594°)



Vertical Section (ft) Azim = 157.58° Scale = 1:3600.00(ft) Origin = 0N/-S, 0E/-W



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 #:	

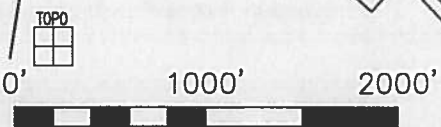
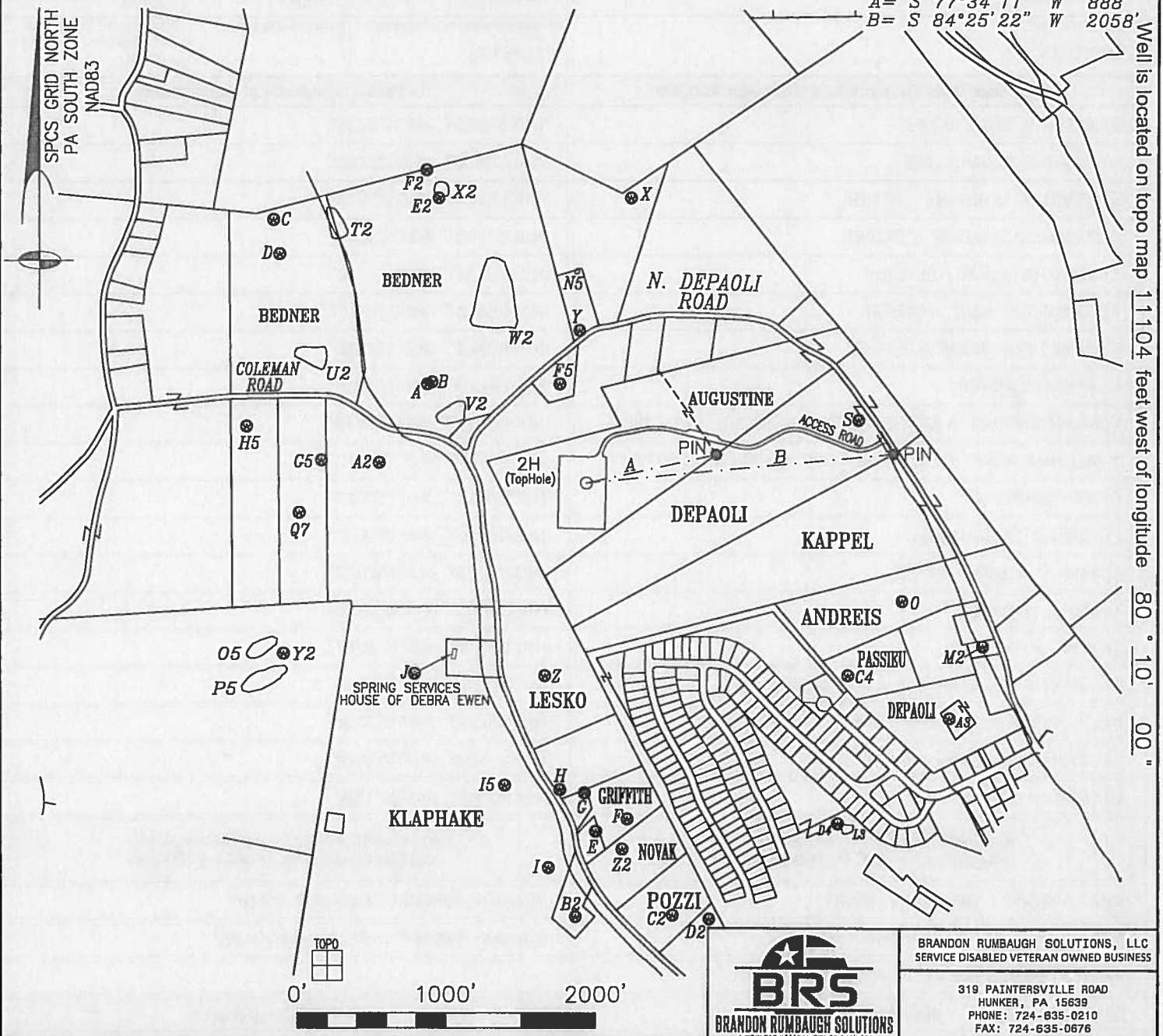


PAGE 1 Surface location

<input type="checkbox"/>	Denotes location of well on topo map
True Latitude: NORTH (NAD83) 40° 20' 00.33"	
True Longitude: WEST (NAD83) 80° 12' 23.42"	

Well is located on topo map 15145 feet south of latitude 40° 22' 30"
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.

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



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: AUGUSTINE GEORGE 11039		Well #: 2H	Serial #:
Address: 3000 TOWN CENTER BLVD., CANONSBURG, PA 15317		County: WASHINGTON COUNTY	Municipality: CECIL TOWNSHIP		Well Type: GAS	
911 Address of Well Site: 128 NORTH DEPAOLI RD., MCDONALD, PA 15057		USGS 7 1/2' Quadrangle Map Name: CANONSBURG	Map Section: 2		Surface Elevation: 1228	
Surveyor or Engineer: MICHAEL ANDREW MISAK BRANDON RUMBAUGH SOLUTIONS, LLC	Phone #: (724)635-0210	Dwg. #: RRC-0018 2H	Date: 12/19/2019	Scale: 1" = 1000'	Tract Acreage: 337.9830	
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: 12/6/2017

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 & gas resources is **1-866-255-5158**.

Applicant / Well Operator Name: RANGE RESOURCES – APPALACHIA, LLC		DEP ID #: 141142	Well (Farm) Name: AUGUSTINE GEORGE 11039	Well #: 2H	Serial #:
Surface Landowner / Lessor: DEBORAH & GEORGE AUGUSTINE			Angle & Course of Deviation (Drilling): SEE PAGE 4	Anticipated True Vertical Depth Feet (TVD): 7000	Anticipated Total Measured Depth Feet (TMD): 27007
Target Formation (s): MARCELLUS			Deepest Formation to be Penetrated: ONONDAGA	Number of laterals: 1	Total Wellbore Footage to be drilled all laterals: 27860
Surface Owner/Water Purveyor w/Water Supply within 1000'/3000'			Latitude / Longitude of Water Supply		
A) ROBERT & SUSAN BEDNER			N40°20'06.54" W80°12'37.38"		
B) ROBERT & SUSAN BEDNER			N40°20'06.68" W80°12'36.99"		
C) RUSSELL A & MELANIE L BEDNER			N40°20'17.04" W80°12'51.06"		
D) RUSSELL A & MELANIE L BEDNER			N40°20'14.81" W80°12'50.47"		
E) GERALD W & MARY LOU ORBIN			N40°19'37.41" W80°12'21.79"		
F) JOSHUA D & JOANE J GRIFFITH			N40°19'38.31" W80°12'19.15"		
G) DENNIS JR & MEGAN M FLEEHER			N40°19'39.92" W80°12'22.85"		
H) PATRICK SCHEIDER			N40°19'40.09" W80°12'25.01"		
I) WILLIAM KLAPHAKE & CECYLE KLAPHAKE REVOCABLE LIVING TRUST			N40°19'34.95" W80°12'25.84"		
J) WILLIAM KLAPHAKE & CECYLE KLAPHAKE REVOCABLE LIVING TRUST			N40°19'47.46" W80°12'37.81"		
O) GARY ANDREIS JR			N40°19'53.21" W80°11'55.96"		
S) PETER & EILEEN DEPAOLI			N40°20'05.04" W80°12'00.12"		
X) KEVIN P & KAREN J BEYER			N40°20'19.18" W80°12'20.27"		
Y) APRIL L GARDNER			N40°20'10.36" W80°12'24.36"		
Z) MERLE W LESKO JR			N40°19'47.57" W80°12'26.60"		
A2) FRANK & TERESA KAPTON & V K RIEGNER			N40°20'01.26" W80°12'41.39"		
B2) RICHARD A & TORNABENE DACHILLE			N40°19'31.78" W80°12'23.38"		
C2) DONALD P & KAREN L POZZI			N40°19'32.06" W80°12'15.06"		
D2) DAVID M KIMMICK			N40°19'29.73" W80°12'11.98"		
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		
CECIL TOWNSHIP – WASHINGTON COUNTY			MCDONALD BOROUGH – ALLEGHENY COUNTY		
MCDONALD BOROUGH – WASHINGTON COUNTY			ROBINSON TOWNSHIP – WASHINGTON COUNTY		
MOUNT PLEASANT TOWNSHIP – WASHINGTON COUNTY					
CHARTIERS TOWNSHIP – WASHINGTON COUNTY			Coal related parties		
CANONSBURG BOROUGH – WASHINGTON COUNTY			NON – COAL		
NORTH STRABANE TOWNSHIP – WASHINGTON COUNTY					
PETERS TOWNSHIP – WASHINGTON COUNTY					
UPPER ST CLAIR TOWNSHIP – ALLEGHENY COUNTY					
SOUTH FAYETTE TOWNSHIP – ALLEGHENY COUNTY					

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 & gas resources is **1-866-255-5158**.

Applicant / Well Operator Name: RANGE RESOURCES – APPALACHIA, LLC	DEP ID #: 141142	Well (Farm) Name: AUGUSTINE GEORGE 11039	Well #: 2H	Serial #:
Surface Landowner / Lessor: DEBORAH & GEORGE AUGUSTINE	Angle & Course of Deviation (Drilling): SEE PAGE 4	Anticipated True Vertical Depth Feet (TVD): 7000	Anticipated Total Measured Depth Feet (TMD): 27007	
Target Formation (s): MARCELLUS	Deepest Formation to be Penetrated: ONONDAGA	Number of laterals: 1	Total Wellbore Footage to be drilled all laterals: 27860	
Surface Owner/Water Purveyor w/Water Supply within 1000'/3000'		Latitude / Longitude of Water Supply		
E2) ROBERT & SUSAN BEDNER		N40°20'18.80" W80°12'36.81"		
F2) ROBERT & SUSAN BEDNER		N40°20'20.63" W80°12'37.92"		
M2) DENNY C & LINDA M DERRICO		N40°19'50.37" W80°11'48.83"		
T2) ROBERT & SUSAN BEDNER		N40°20'16.17" W80°12'44.74"		
U2) RUSSELL A & MELANIE L BEDNER		N40°20'07.34" W80°12'46.46"		
V2) ROBERT & SUSAN BEDNER		N40°20'04.26" W80°12'34.17"		
W2) ROBERT & SUSAN BEDNER		N40°20'10.37" W80°12'29.98"		
X2) ROBERT & SUSAN BEDNER		N40°20'18.96" W80°12'36.09"		
Y2) PETE J CIAFFONI JR & MARIBETH MILLER ET AL		N40°19'48.53" W80°12'49.22"		
Z2) EDWARD F NOVAK		N40°19'36.31" W80°12'19.51"		
A3) ALAN & SHARON DEPAOLI		N40°19'45.59" W80°11'51.56"		
L3) WINDSOR WOODS LLC		N40°19'38.30" W80°12'00.65"		
C4) BONITA & RENEE PASSIEU		N40°19'48.20" W80°12'00.47"		
D4) WINDSOR WOODS LLC		N40°19'38.42" W80°12'00.97"		
F5) JOSHUA N & MICHELLE L STONEMARK		N40°20'06.80" W80°12'25.99"		
G5) JEFFREY J & NADINE M MCKEAN		N40°20'01.32" W80°12'46.40"		
H5) STEVEN J & KRISTA M MCKEAN		N40°20'03.40" W80°12'52.89"		
I5) WILLIAM KLAPHAKE & CECYLE KLAPHAKE REVOCABLE LIVING TRUST		N40°19'40.29" W80°12'29.83"		
N5) APRIL L GARDNER		N40°20'14.12" W80°12'24.90"		
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		
		Coal related parties		

WELL LOCATION PLAT

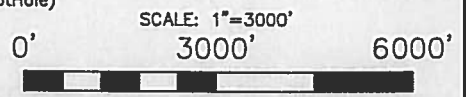
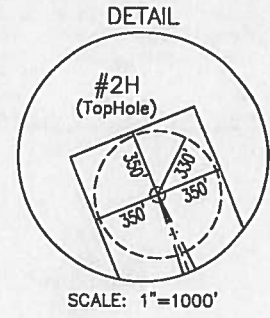
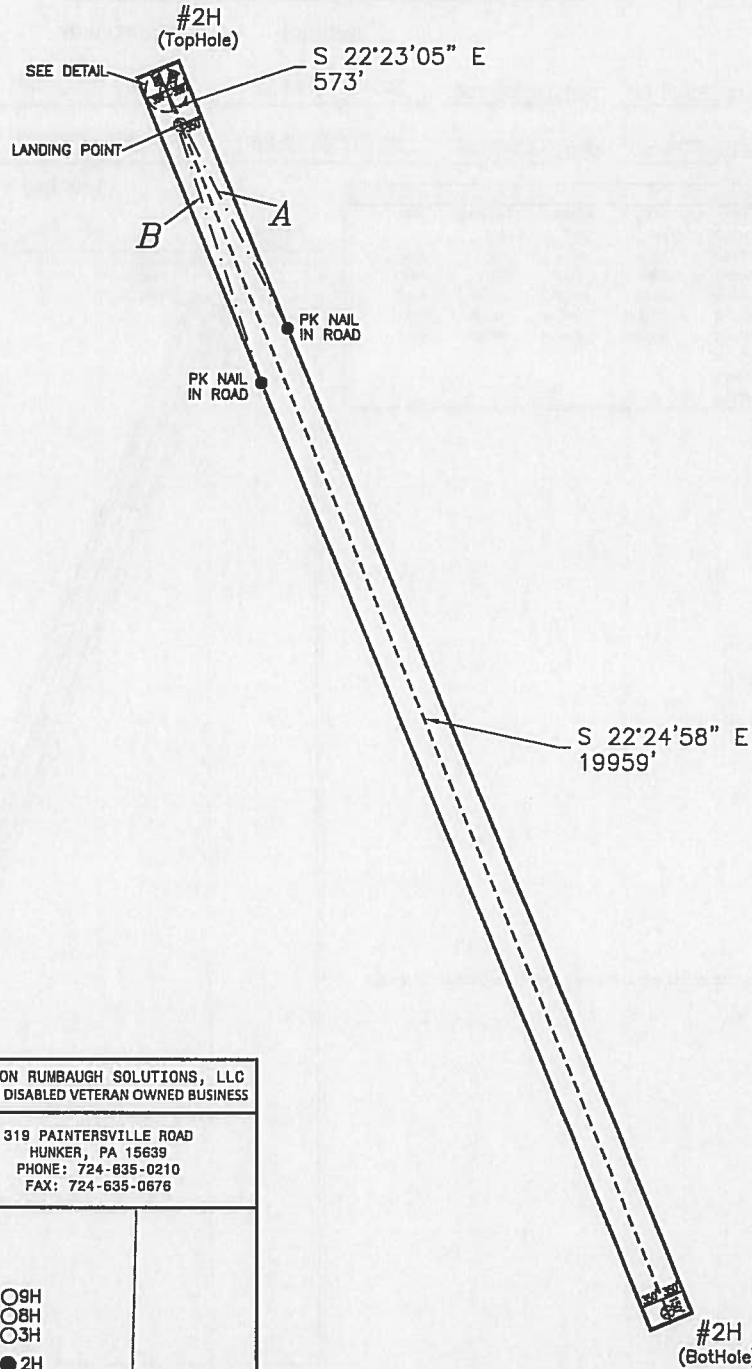
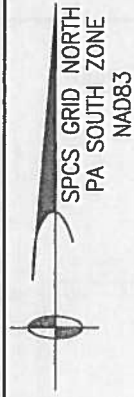
PAGE 3 Plan View Of Deviated Well Bore

If well has a lateral other than vertical show the bottom hole location on the plat drawing as ⊗ and include the Coordinates in the provided section at the bottom of the drawing area. The top hole and bottom hole locations are to be connected by a bolded line this is to depict the proposed courses of the actual wellbore to be drilled.

Applicant / Well Operator Name: RANGE RESOURCES – APPALACHIA, LLC	DEP ID #: 141142	Well (Farm) Name: AUGUSTINE GEORGE 11039	Well #: 2H	Serial #:
---	----------------------------	--	----------------------	-----------

LEGEND	
○	PROPOSED WELL TOPHOLE
⊙	PROPOSED WELL LANDING POINT
⊗	PROPOSED WELL BOTTOMHOLE
---	WELL BORE
---	WELL TIE LINES
---	MINERAL TRACT BOUNDARY

337.9830 ACRES
A = N 27°15'32" W 4152'
B = N 18°13'26" W 4779'



BRANDON RUMBAUGH SOLUTIONS, LLC
 SERVICE DISABLED VETERAN OWNED BUSINESS

319 PAINTERSVILLE ROAD
 HUNKER, PA 15639
 PHONE: 724-835-0210
 FAX: 724-635-0676

- 10HO ○ 09H
- 7HO ○ 08H
- 4HO ○ 03H
- 5HO ● 2H
- 6HO ● 01H
- 11HO ○ 14H
- 12HO ○ 13H

WELL PAD
SCALE: 1"=200'

Proposed Top Hole	Proposed Landing Point	Proposed Bottom Hole
Latitude: NORTH NAD83 40° 20' 00.33"	Latitude: NORTH NAD83 40° 19' 55.16"	Latitude: NORTH NAD83 40° 16' 54.97"
Longitude: WEST NAD83 80° 12' 23.42"	Longitude: WEST NAD83 80° 12' 20.41"	Longitude: WEST NAD83 80° 10' 35.62"

WELL LOCATION PLAT
Page 4 Cross Section

Applicant/Well Operator Name Range Resources - Appalachia, LLC	DEP ID# 141142	Well (Farm) Name AUGUSTINE GEORGE 11039	Well # 2H
---	-------------------	--	--------------



Well Plan

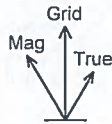
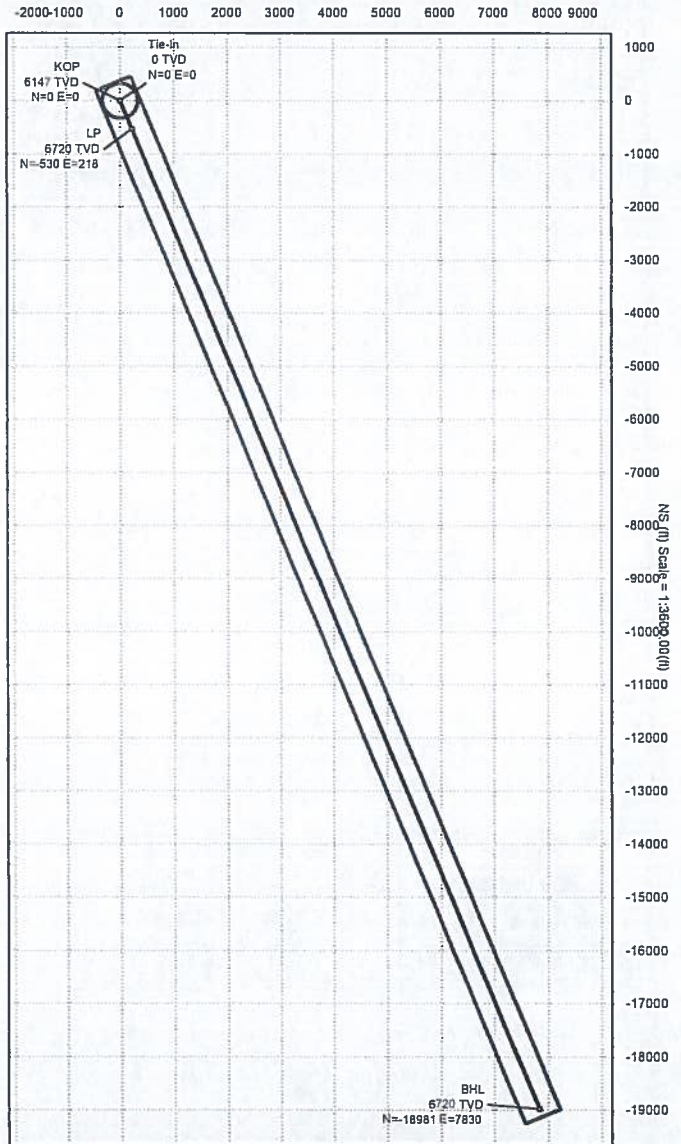
Operator Name: Range Resources - Appalachia, LLC
Well/Farm name: AUGUSTINE GEORGE 11039

DEP Use Only	Permit #
--------------	----------

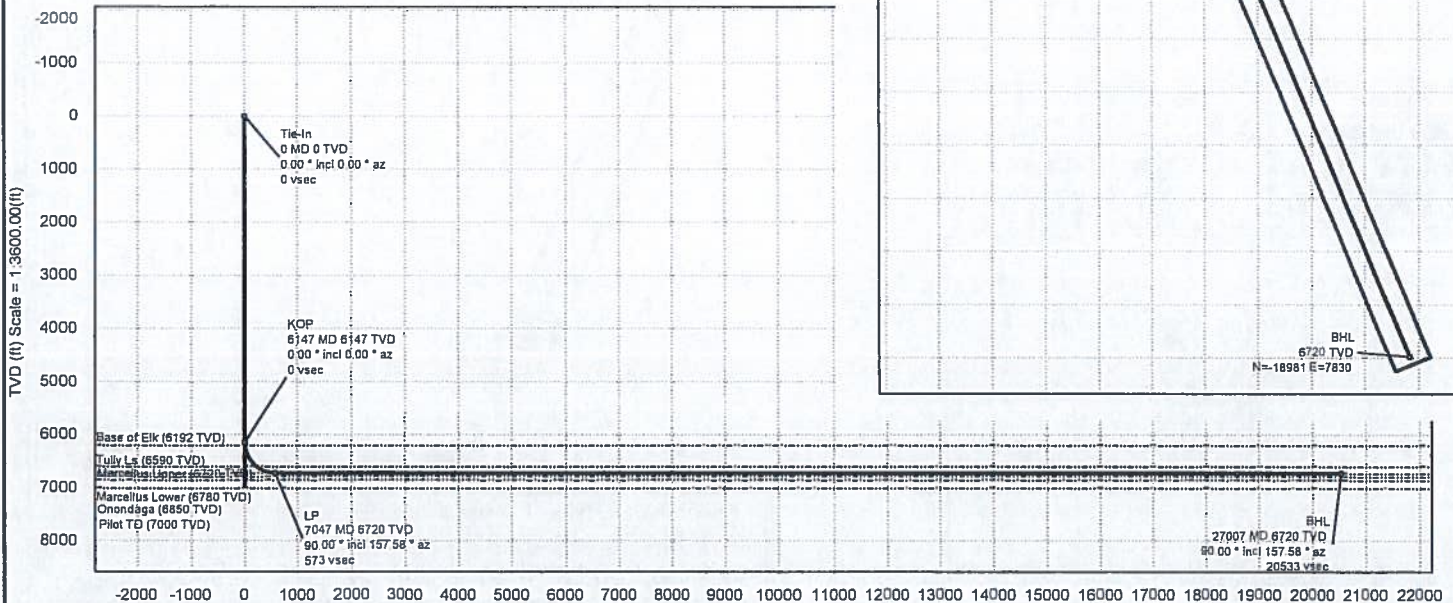
Latitude Longitude Notes:
KOP: TVD: 6147.04 TMD: 6147.04 N 40° 20' 00.33" W 80° 12' 23.42"
Landing Point: TVD: 6720.00 TMD: 7047.04 N 40° 19' 55.16" W 80° 12' 20.41"

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
KOP	6147.04	0.00	0.00	6147.04	0.00	0.00	0.00	
Base of Elk	6192.05	4.50	157.58	6192.00	1.77	-1.63	0.67	10.00
Tully Ls	6653.38	50.63	157.58	6590.00	209.55	-193.71	79.91	10.00
LP	7047.04	90.00	157.58	6720.00	572.96	-529.66	218.49	10.00
Marcellus Upper	27007.03	90.00	157.58	6720.00	20532.94	-18981.44	7829.86	0.00
BHL	27007.03	90.00	157.58	6720.00	20532.94	-18981.44	7829.86	0.00
Pilot TD	NaN			7000.00				
Marcellus Lower	NaN			6780.00				
Onondaga	NaN			6850.00				

EW (ft) Scale = 1:3600.00(ft)



Grid North
Tot Corr (M->G -8.055°)
Mag Dec (-9.648°)
Grid Conv (-1.594°)



Vertical Section (ft) Azim = 157.58° Scale = 1:3600.00(ft) Origin = 0N-S, 0E-W



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

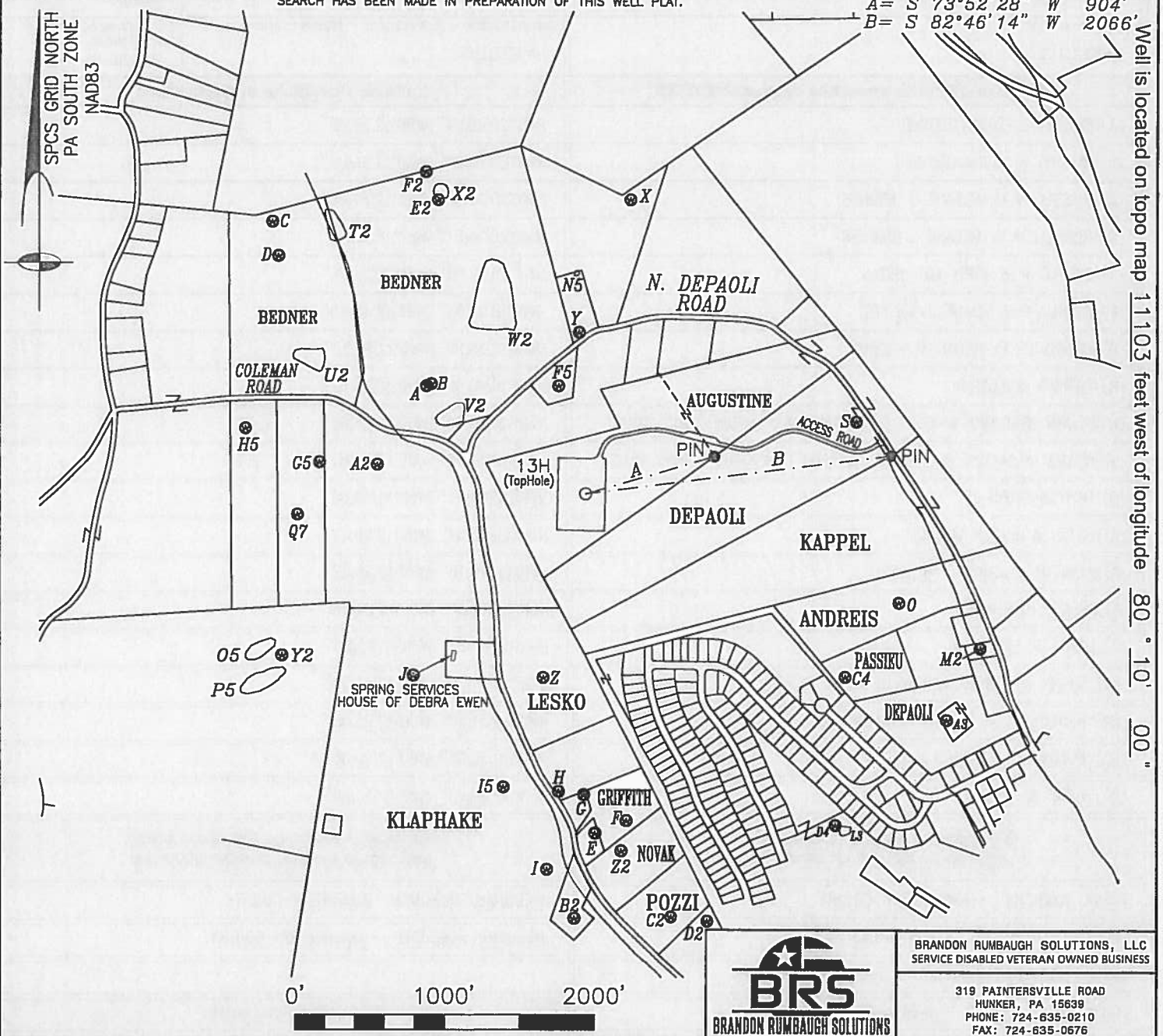
Denotes location of well on topo map
True Latitude: NORTH (NAD83) 40° 19' 59.74"
True Longitude: WEST (NAD83) 80° 12' 23.41"

Well is located on topo map 26 feet south of latitude 40° 22' 30"

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



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: AUGUSTINE GEORGE 11039		Well #: 13H	Serial #:
Address: 3000 TOWN CENTER BLVD., CANONSBURG, PA 15317		County: WASHINGTON COUNTY	Municipality: CECIL TOWNSHIP		Well Type: GAS	
911 Address of Well Site: 128 NORTH DEPAOLI RD., MCDONALD, PA 15057		USGS 7 1/2' Quadrangle Map Name: CANONSBURG	Map Section: 5	Surface Elevation: 1228		
Surveyor or Engineer: MICHAEL ANDREW MISAK BRANDON RUMBAUGH SOLUTIONS, LLC	Phone #: (724)635-0210	Dwg. #: RRC-0018 13H	Date: 12/19/2019	Scale: 1" = 1000'	Tract Acreage: 372.0336	
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: 12/6/2017

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 & gas resources is **1-866-255-5158**.

Applicant / Well Operator Name: RANGE RESOURCES – APPALACHIA, LLC		DEP ID # : 141142	Well (Farm)Name: AUGUSTINE GEORGE 11039	Well # : 13H	Serial # :
Surface Landowner / Lessor: DEBORAH & GEORGE AUGUSTINE			Angle & Course of Deviation (Drilling): SEE PAGE 4	Anticipated True Vertical Depth Feet (TVD): 6720	Anticipated Total Measured Depth Feet (TMD): 28406
Target Formation (s): MARCELLUS			Deepest Formation to be Penetrated: MARCELLUS	Number of laterals: 1	Total Wellbore Footage to be drilled all laterals: 28406
Surface Owner/Water Purveyor w/Water Supply within 1000'/3000'			Latitude / Longitude of Water Supply		
A) ROBERT & SUSAN BEDNER			N40°20'06.54" W80°12'37.38"		
B) ROBERT & SUSAN BEDNER			N40°20'06.68" W80°12'36.99"		
C) RUSSELL A & MELANIE L BEDNER			N40°20'17.04" W80°12'51.06"		
D) RUSSELL A & MELANIE L BEDNER			N40°20'14.81" W80°12'50.47"		
E) GERALD W & MARY LOU ORBIN			N40°19'37.41" W80°12'21.79"		
F) JOSHUA D & JOANE J GRIFFITH			N40°19'38.31" W80°12'19.15"		
G) DENNIS JR & MEGAN M FLEEHER			N40°19'39.92" W80°12'22.85"		
H) PATRICK SCHEIDER			N40°19'40.09" W80°12'25.01"		
I) WILLIAM KLAPHAKE & CECYLE KLAPHAKE REVOCABLE LIVING TRUST			N40°19'34.95" W80°12'25.84"		
J) WILLIAM KLAPHAKE & CECYLE KLAPHAKE REVOCABLE LIVING TRUST			N40°19'47.46" W80°12'37.81"		
O) GARY ANDREIS JR			N40°19'53.21" W80°11'55.96"		
S) PETER & EILEEN DEPAOLI			N40°20'05.04" W80°12'00.12"		
X) KEVIN P & KAREN J BEYER			N40°20'19.18" W80°12'20.27"		
Y) APRIL L GARDNER			N40°20'10.36" W80°12'24.36"		
Z) MERLE W LESKO JR			N40°19'47.57" W80°12'26.60"		
A2) FRANK & TERESA KAPTON & V K RIEGNER			N40°20'01.26" W80°12'41.39"		
B2) RICHARD A & TORNABENE DACHILLE			N40°19'31.78" W80°12'23.38"		
C2) DONALD P & KAREN L POZZI			N40°19'32.06" W80°12'15.06"		
D2) DAVID M KIMMICK			N40°19'29.73" W80°12'11.98"		
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		
CECIL TOWNSHIP – WASHINGTON COUNTY			MCDONALD BOROUGH– ALLEGHENY COUNTY		
MCDONALD BOROUGH – WASHINGTON COUNTY			ROBINSON TOWNSHIP – WASHINGTON COUNTY		
MOUNT PLEASANT TOWNSHIP – WASHINGTON COUNTY					
CHARTIERS TOWNSHIP – WASHINGTON COUNTY			Coal related parties		
CANONSBURG BOROUGH – WASHINGTON COUNTY			NON – COAL		
NORTH STRABANE TOWNSHIP – WASHINGTON COUNTY					
PETERS TOWNSHIP – WASHINGTON COUNTY					
UPPER ST CLAIR TOWNSHIP – ALLEGHENY COUNTY					
SOUTH FAYETTE TOWNSHIP – ALLEGHENY COUNTY					

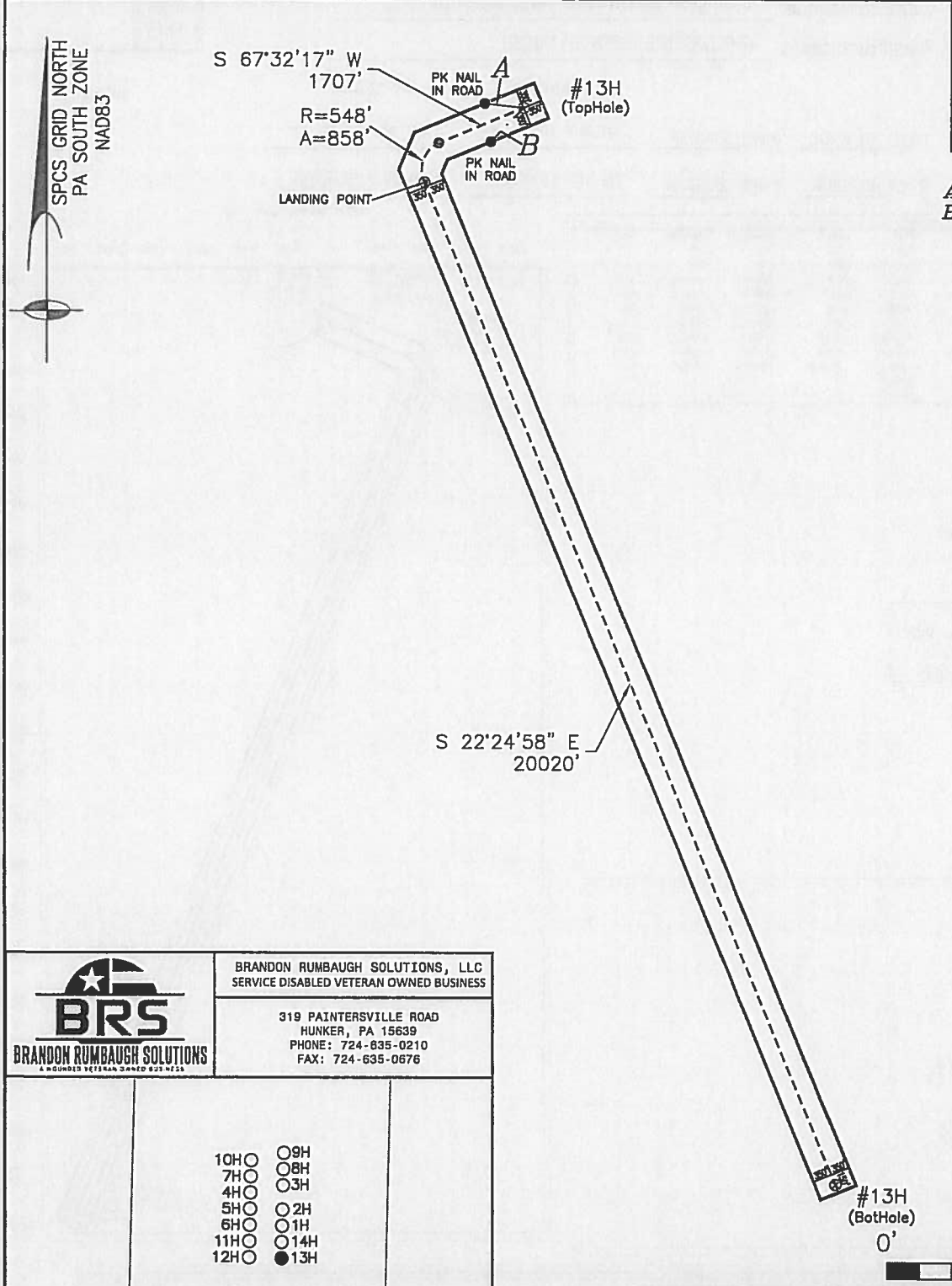
WELL LOCATION PLAT

PAGE 3 Plan View Of Deviated Well Bore

If well has a lateral other than vertical show the bottom hole location on the plat drawing as ⊗ and include the Coordinates in the provided section at the bottom of the drawing area. The top hole and bottom hole locations are to be connected by a bolded line this is to depict the proposed courses of the actual wellbore to be drilled.

Applicant / Well Operator Name: RANGE RESOURCES – APPALACHIA, LLC	DEP ID #: 141142	Well (Farm) Name: AUGUSTINE GEORGE 11039	Well #: 13H	Serial #:
--	---------------------	---	----------------	-----------

LEGEND	
○	PROPOSED WELL TOPHOLE
⊙	PROPOSED WELL LANDING POINT
⊗	PROPOSED WELL BOTTOMHOLE
---	WELL BORE
---	WELL TIE LINES
---	MINERAL TRACT BOUNDARY



372.0336 ACRES
A = S 83°41'43" E 728'
B = N 44°08'22" E 873'

BRANDON RUMBAUGH SOLUTIONS
A BOUNDDED VETERAN OWNED BUSINESS

BRANDON RUMBAUGH SOLUTIONS, LLC
SERVICE DISABLED VETERAN OWNED BUSINESS

319 PAINTERSVILLE ROAD
HUNKER, PA 15639
PHONE: 724-835-0210
FAX: 724-635-0676

- | | |
|--------|--------|
| 10HO ○ | 09H ○ |
| 7HO ○ | 08H ○ |
| 4HO ○ | 03H ○ |
| 5HO ○ | 02H ○ |
| 6HO ○ | 01H ○ |
| 11HO ○ | 014H ○ |
| 12HO ○ | ● 13H |

WELL PAD
SCALE: 1"=200'

Proposed Top Hole	Proposed Landing Point	Proposed Bottom Hole
Latitude: NORTH NAD83 40° 19' 59.74"	Latitude: NORTH NAD83 40° 19' 45.60"	Latitude: NORTH NAD83 40° 16' 44.87"
Longitude: WEST NAD83 80° 12' 23.41"	Longitude: WEST NAD83 80° 12' 46.65"	Longitude: WEST NAD83 80° 11' 01.53"

WELL LOCATION PLAT
Page 4 Cross Section

Applicant/Well Operator Name Range Resources - Appalachia, LLC	DEP ID# 141142	Well (Farm) Name AUGUSTINE GEORGE 11039	Well # 13H
---	-------------------	--	---------------



Well Plan

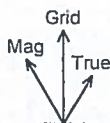
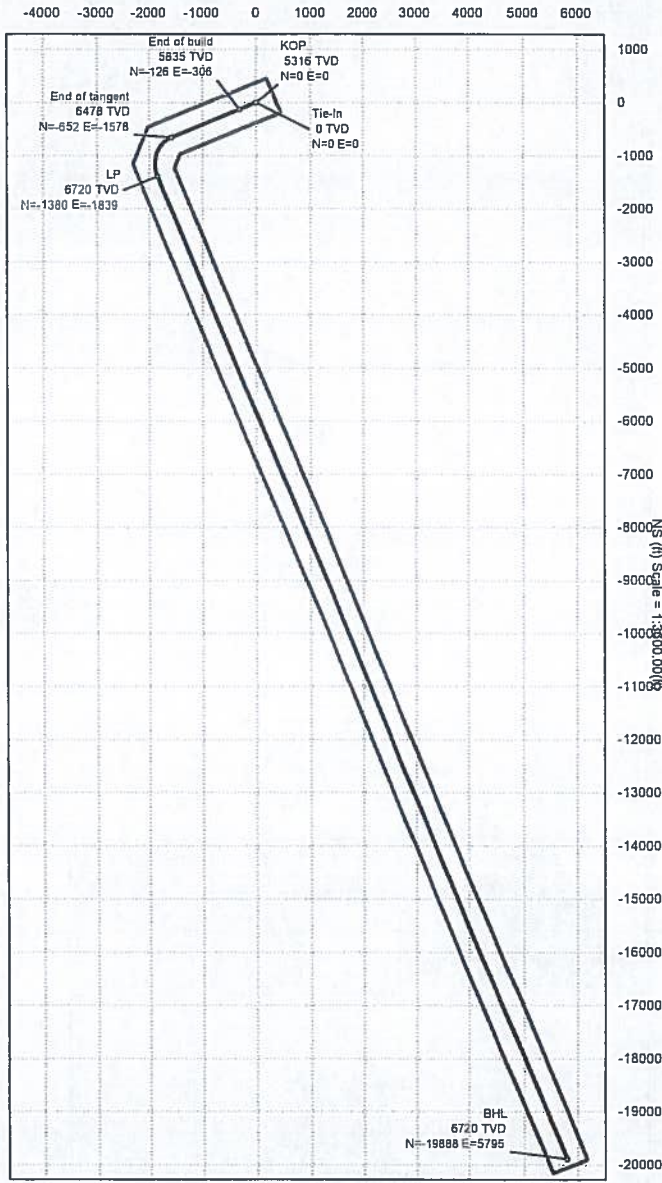
Operator Name: Range Resources - Appalachia, LLC
Well/Farm name: AUGUSTINE GEORGE 11039

DEP Use Only	Permit #
--------------	----------

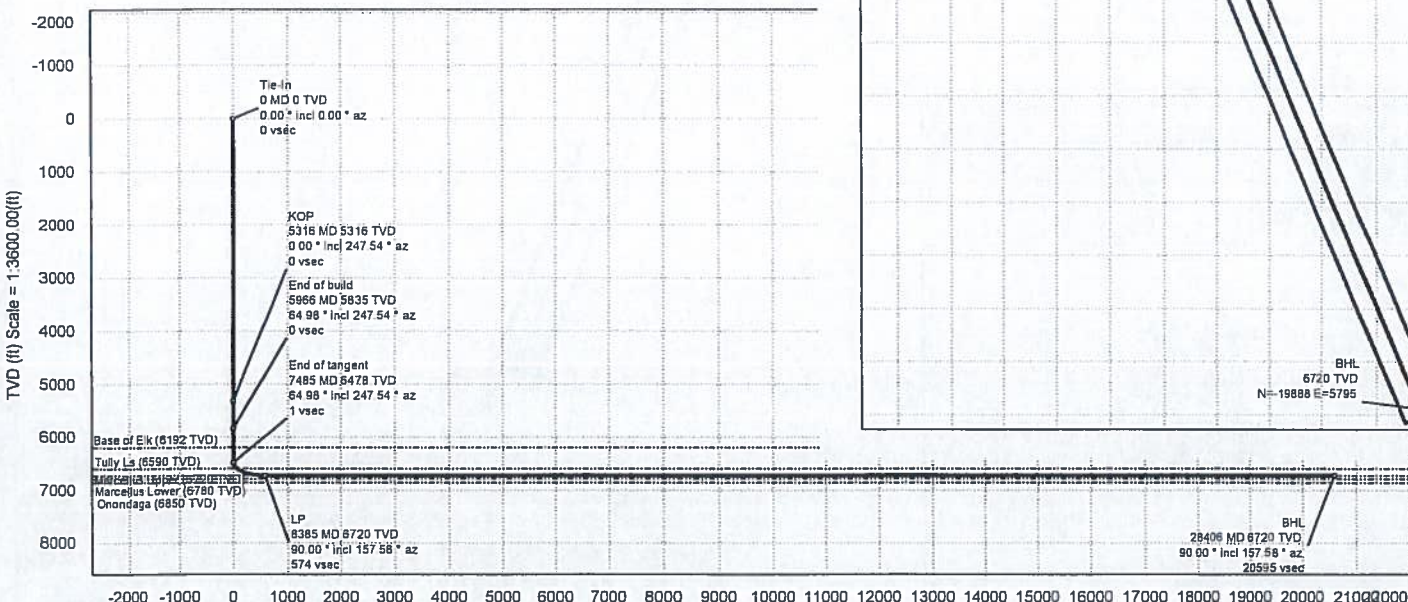
Latitude Longitude Notes:
KOP: TVD: 5316.00 TMD: 5316.00 N 40° 19' 59.74" W 80° 12' 23.41"
Landing Point: TVD: 6720.00 TMD: 8385.08 N 40° 19' 45.60" W 80° 12' 46.65"

Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
Tie-In	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
KOP	5316 00	0 00	247 54	5316 00	0 00	0 00	0 00	0 00
End of build	5985 82	64 98	247 54	5835 20	0 26	-126 33	-305 67	10 00
Base of Elk	6809 52	64 98	247 54	6192 00	0 87	-418 43	-1012 10	0 00
End of tangent	7485 49	64 98	247 54	6477 87	1 36	-652 46	-1578 19	0 00
Tully Ls	7781 20	67 99	217 99	6590 00	66 81	-804 41	-1775 41	10 00
LP	8385 08	90 00	157 58	6720 00	574 31	-1379 97	-1839 33	10 00
Marcellus Upper	8385 08	90 00	157 58	6720 00	574 31	-1379 97	-1839 33	10 00
BHL	28406 08	90 00	157 58	6720 00	20595 31	-19888 18	5795 25	0 00
Onondaga	NaN			6850 00				
Marcellus Lower	NaN			6780 00				

EW (ft) Scale = 1:3600 00(ft)



Grid North
Tot Corr (M->G -8.055°)
Mag Dec (-9.648°)
Grid Conv (-1.594°)



Vertical Section (ft) Azim = 157.58° Scale = 1:3600 00(ft) Origin = 0N-S, 0E-W



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 #:	



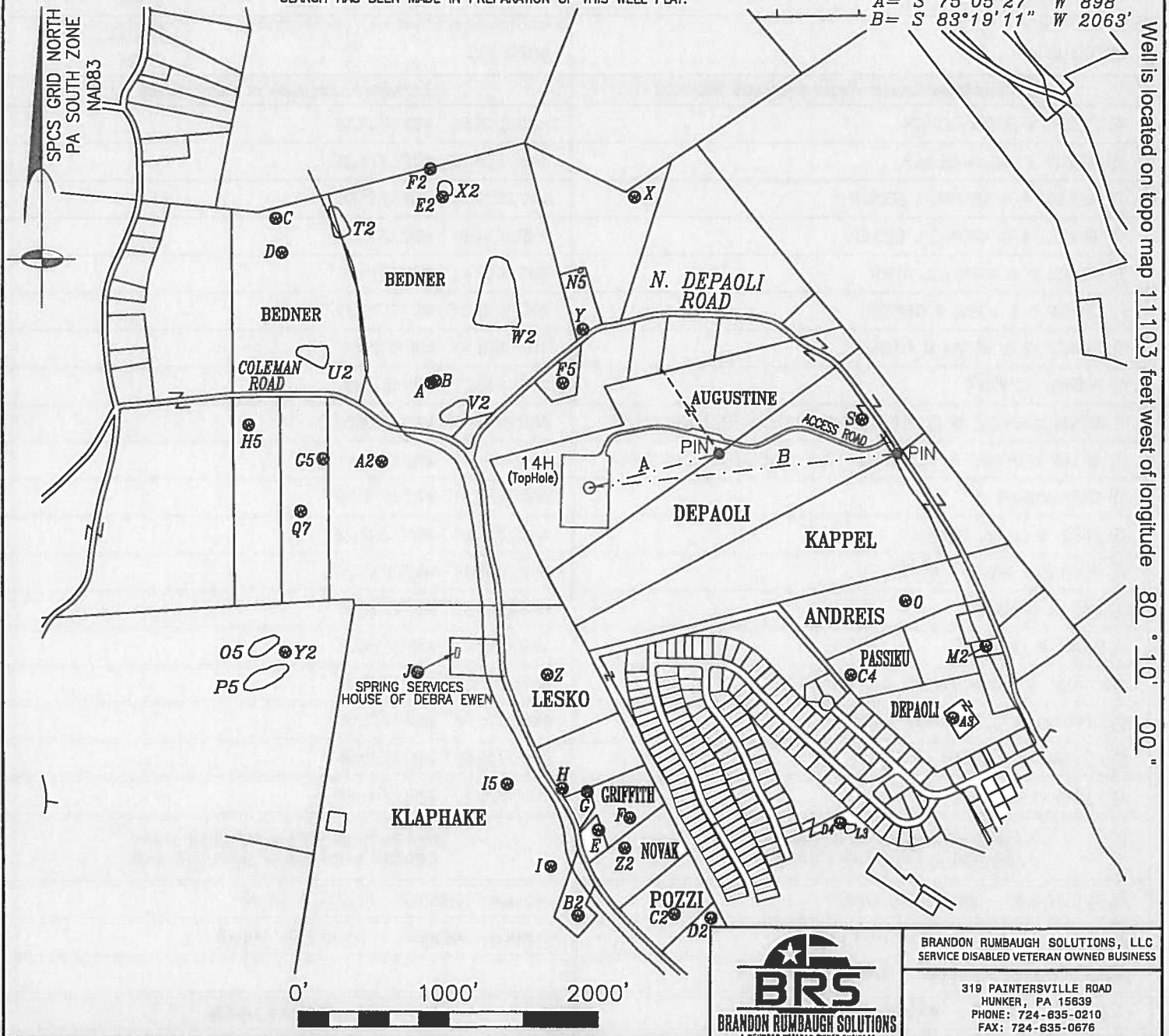
PAGE 1 Surface location

	Denotes location of well on topo map
True Latitude: NORTH (NAD83) 40° 19' 59.94"	
True Longitude: WEST (NAD83) 80° 12' 23.41"	

Well is located on topo map 6 feet south of latitude 40° 22' 30"

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



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: AUGUSTINE GEORGE 11039		Well #: 14H	Serial #:
Address: 3000 TOWN CENTER BLVD., CANONSBURG, PA 15317			County: WASHINGTON COUNTY	Municipality: CECIL TOWNSHIP	Well Type: GAS	
911 Address of Well Site: 128 NORTH DEPAOLI RD., MCDONALD, PA 15057			USGS 7 1/2' Quadrangle Map Name: CANONSBURG	Map Section: 5	Surface Elevation: 1228	
Surveyor or Engineer: MICHAEL ANDREW MISAK BRANDON RUMBAUGH SOLUTIONS, LLC	Phone #: (724)635-0210	Dwg. #: RRC-0018 14H	Date: 12/19/2019	Scale: 1" = 1000'	Tract Acreage: 359.6660	
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: 12/6/2017

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 & gas resources is **1-866-255-5158**.

Applicant / Well Operator Name: RANGE RESOURCES – APPALACHIA, LLC		DEP ID #: 141142	Well (Farm)Name: AUGUSTINE GEORGE 11039	Well #: 14H	Serial #:
Surface Landowner / Lessor: DEBORAH & GEORGE AUGUSTINE		Angle & Course of Deviation (Drilling): SEE PAGE 4		Anticipated True Vertical Depth Feet (TVD): 6720	Anticipated Total Measured Depth Feet (TMD): 27906
Target Formation (s): MARCELLUS		Deepest Formation to be Penetrated: MARCELLUS		Number of laterals: 1	Total Wellbore Footage to be drilled all laterals: 27906
Surface Owner/Water Purveyor w/Water Supply within 1000'/3000'			Latitude / Longitude of Water Supply		
A) ROBERT & SUSAN BEDNER			N40°20'06.54" W80°12'37.38"		
B) ROBERT & SUSAN BEDNER			N40°20'06.68" W80°12'36.99"		
C) RUSSELL A & MELANIE L BEDNER			N40°20'17.04" W80°12'51.06"		
D) RUSSELL A & MELANIE L BEDNER			N40°20'14.81" W80°12'50.47"		
E) GERALD W & MARY LOU ORBIN			N40°19'37.41" W80°12'21.79"		
F) JOSHUA D & JOANE J GRIFFITH			N40°19'38.31" W80°12'19.15"		
G) DENNIS JR & MEGAN M FLEEHER			N40°19'39.92" W80°12'22.85"		
H) PATRICK SCHEIDER			N40°19'40.09" W80°12'25.01"		
I) WILLIAM KLAPHAKE & CECYLE KLAPHAKE REVOCABLE LIVING TRUST			N40°19'34.95" W80°12'25.84"		
J) WILLIAM KLAPHAKE & CECYLE KLAPHAKE REVOCABLE LIVING TRUST			N40°19'47.46" W80°12'37.81"		
O) GARY ANDREIS JR			N40°19'53.21" W80°11'55.96"		
S) PETER & EILEEN DEPAOLI			N40°20'05.04" W80°12'00.12"		
X) KEVIN P & KAREN J BEYER			N40°20'19.18" W80°12'20.27"		
Y) APRIL L GARDNER			N40°20'10.36" W80°12'24.36"		
Z) MERLE W LESKO JR			N40°19'47.57" W80°12'26.60"		
A2) FRANK & TERESA KAPTON & V K RIEGNER			N40°20'01.26" W80°12'41.39"		
B2) RICHARD A & TORNABENE DACHILLE			N40°19'31.78" W80°12'23.38"		
C2) DONALD P & KAREN L POZZI			N40°19'32.06" W80°12'15.06"		
D2) DAVID M KIMMICK			N40°19'29.73" W80°12'11.98"		
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		
CECIL TOWNSHIP – WASHINGTON COUNTY			MCDONALD BOROUGH– ALLEGHENY COUNTY		
MCDONALD BOROUGH – WASHINGTON COUNTY			ROBINSON TOWNSHIP – WASHINGTON COUNTY		
MOUNT PLEASANT TOWNSHIP – WASHINGTON COUNTY					
CHARTIERS TOWNSHIP – WASHINGTON COUNTY			Coal related parties		
CANONSBURG BOROUGH – WASHINGTON COUNTY			NON – COAL		
NORTH STRABANE TOWNSHIP – WASHINGTON COUNTY					
PETERS TOWNSHIP – WASHINGTON COUNTY					
UPPER ST CLAIR TOWNSHIP – ALLEGHENY COUNTY					
SOUTH FAYETTE TOWNSHIP – ALLEGHENY COUNTY					

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 & gas resources is **1-866-255-5158**.

Applicant / Well Operator Name: RANGE RESOURCES – APPALACHIA, LLC	DEP ID #: 141142	Well (Farm)Name: AUGUSTINE GEORGE 11039	Well #: 14H	Serial #:
Surface Landowner / Lessor: DEBORAH & GEORGE AUGUSTINE	Angle & Course of Deviation (Drilling): SEE PAGE 4	Anticipated True Vertical Depth Feet (TVD): 6720	Anticipated Total Measured Depth Feet (TMD): 27906	
Target Formation (s): MARCELLUS	Deepest Formation to be Penetrated: MARCELLUS	Number of laterals: 1	Total Wellbore Footage to be drilled all laterals: 27906	
Surface Owner/Water Purveyor w/Water Supply within 1000'/3000'		Latitude / Longitude of Water Supply		
E2) ROBERT & SUSAN BEDNER		N40°20'18.80" W80°12'36.81"		
F2) ROBERT & SUSAN BEDNER		N40°20'20.63" W80°12'37.92"		
M2) DENNY C & LINDA M DERRICO		N40°19'50.37" W80°11'48.83"		
T2) ROBERT & SUSAN BEDNER		N40°20'16.17" W80°12'44.74"		
U2) RUSSELL A & MELANIE L BEDNER		N40°20'07.34" W80°12'46.46"		
V2) ROBERT & SUSAN BEDNER		N40°20'04.26" W80°12'34.17"		
W2) ROBERT & SUSAN BEDNER		N40°20'10.37" W80°12'29.98"		
X2) ROBERT & SUSAN BEDNER		N40°20'18.96" W80°12'36.09"		
Y2) PETE J CIAFFONI JR & MARIBETH MILLER ET AL		N40°19'48.53" W80°12'49.22"		
Z2) EDWARD F NOVAK		N40°19'36.31" W80°12'19.51"		
A3) ALAN & SHARON DEPAOLI		N40°19'45.59" W80°11'51.56"		
L3) WINDSOR WOODS LLC		N40°19'38.30" W80°12'00.65"		
C4) BONITA & RENEE PASSIEU		N40°19'48.20" W80°12'00.47"		
D4) WINDSOR WOODS LLC		N40°19'38.42" W80°12'00.97"		
F5) JOSHUA N & MICHELLE L STONEMARK		N40°20'06.80" W80°12'25.99"		
G5) JEFFREY J & NADINE M MCKEAN		N40°20'01.32" W80°12'46.40"		
H5) STEVEN J & KRISTA M MCKEAN		N40°20'03.40" W80°12'52.89"		
I5) WILLIAM KLAPHAKE & CECYLE KLAPHAKE REVOCABLE LIVING TRUST		N40°19'40.29" W80°12'29.83"		
N5) APRIL L GARDNER		N40°20'14.12" W80°12'24.90"		
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		
		Coal related parties		

WELL LOCATION PLAT

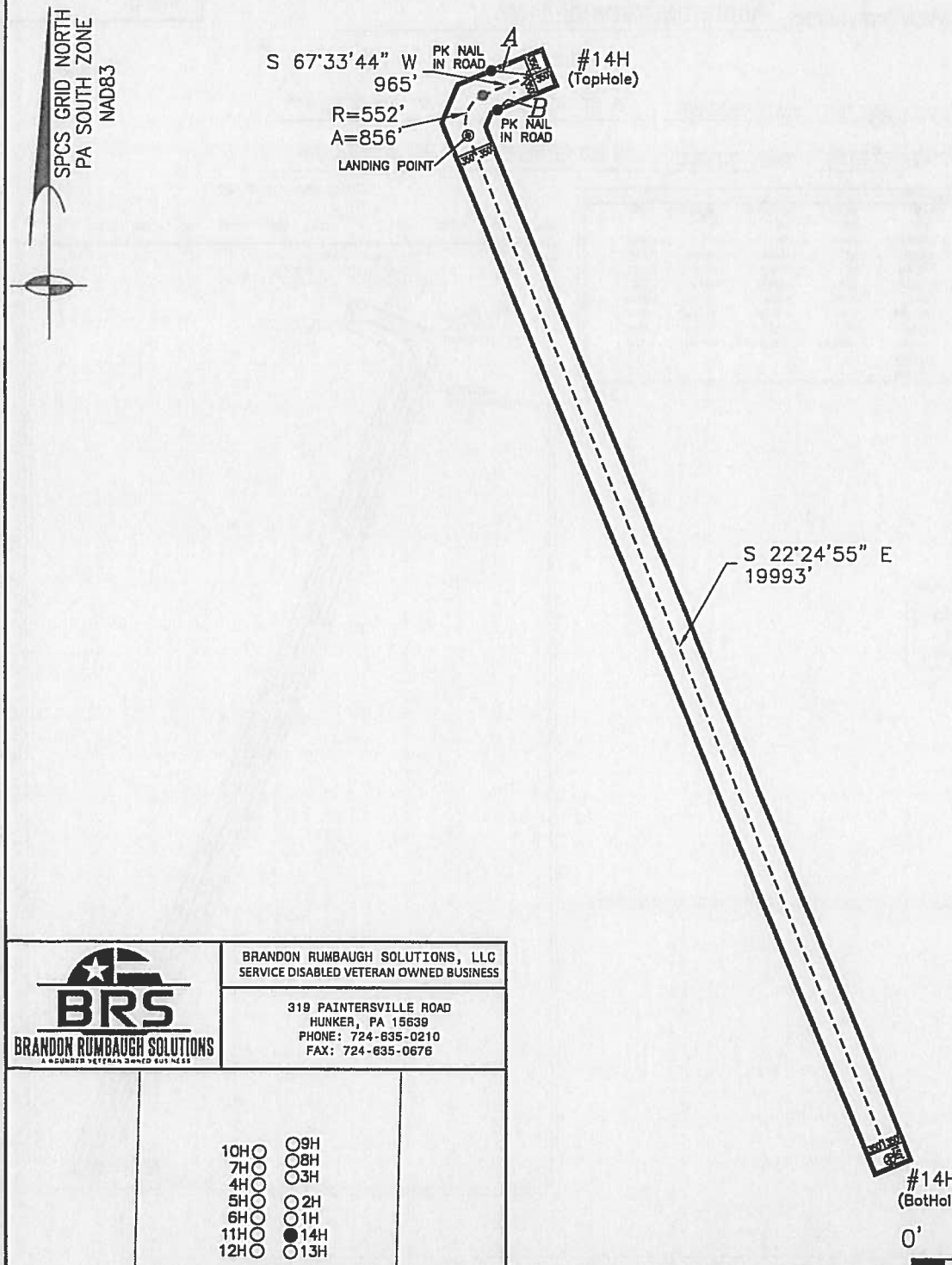
PAGE 3 Plan View Of Deviated Well Bore

If well has a lateral other than vertical show the bottom hole location on the plat drawing as ⊗ and include the Coordinates in the provided section at the bottom of the drawing area. The top hole and bottom hole locations are to be connected by a bolded line this is to depict the proposed courses of the actual wellbore to be drilled.

Applicant / Well Operator Name: RANGE RESOURCES – APPALACHIA, LLC	DEP ID #: 141142	Well (Farm)Name: AUGUSTINE GEORGE 11039	Well #: 14H	Serial #:
--	---------------------	--	----------------	-----------

LEGEND	
○	PROPOSED WELL TOPHOLE
⊙	PROPOSED WELL LANDING POINT
⊗	PROPOSED WELL BOTTOMHOLE
---	WELL BORE
---	WELL TIE LINES
---	MINERAL TRACT BOUNDARY

359.6660 ACRES
A = S 84°05'45" E 738'
B = N 44°14'50" E 884'



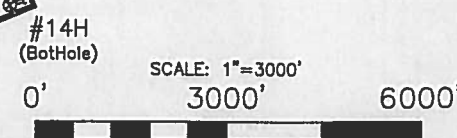
BRANDON RUMBAUGH SOLUTIONS
A HONORED VETERAN OWNED BUSINESS

BRANDON RUMBAUGH SOLUTIONS, LLC
SERVICE DISABLED VETERAN OWNED BUSINESS

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

- | | |
|-------|--------|
| 10H ○ | 09H ○ |
| 7H ○ | 08H ○ |
| 4H ○ | 03H ○ |
| 5H ○ | 02H ○ |
| 6H ○ | 01H ○ |
| 11H ○ | ● 14H |
| 12H ○ | 013H ○ |

WELL PAD
SCALE: 1"=200'



Proposed Top Hole	Proposed Landing Point	Proposed Bottom Hole
Latitude: NORTH NAD83 40° 19' 59.94"	Latitude: NORTH NAD83 40° 19' 48.79"	Latitude: NORTH NAD83 40° 16' 48.30"
Longitude: WEST NAD83 80° 12' 23.41"	Longitude: WEST NAD83 80° 12' 37.91"	Longitude: WEST NAD83 80° 10' 52.93"

WELL LOCATION PLAT
Page 4 Cross Section

Applicant/Well Operator Name Range Resources - Appalachia, LLC	DEP ID# 141142	Well (Farm) Name AUGUSTINE GEORGE 11039	Well # 14H
---	-------------------	--	---------------



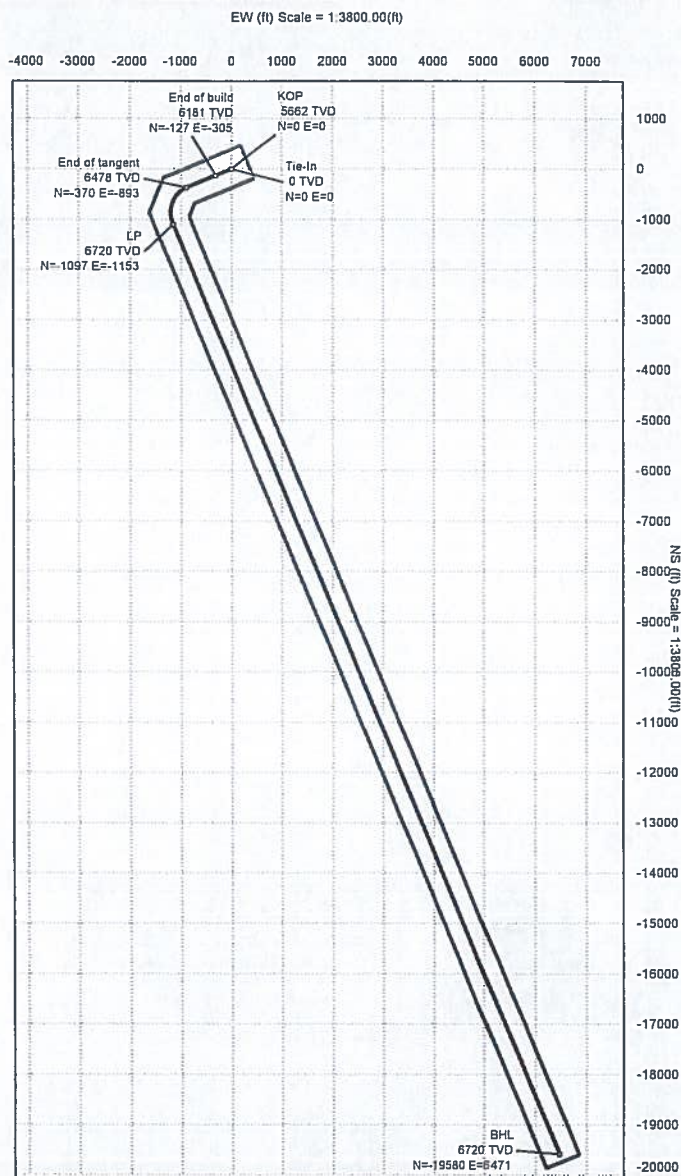
Well Plan

Operator Name: Range Resources - Appalachia, LLC
Well/Farm name: AUGUSTINE GEORGE 11039

DEP Use Only	Permit #
--------------	----------

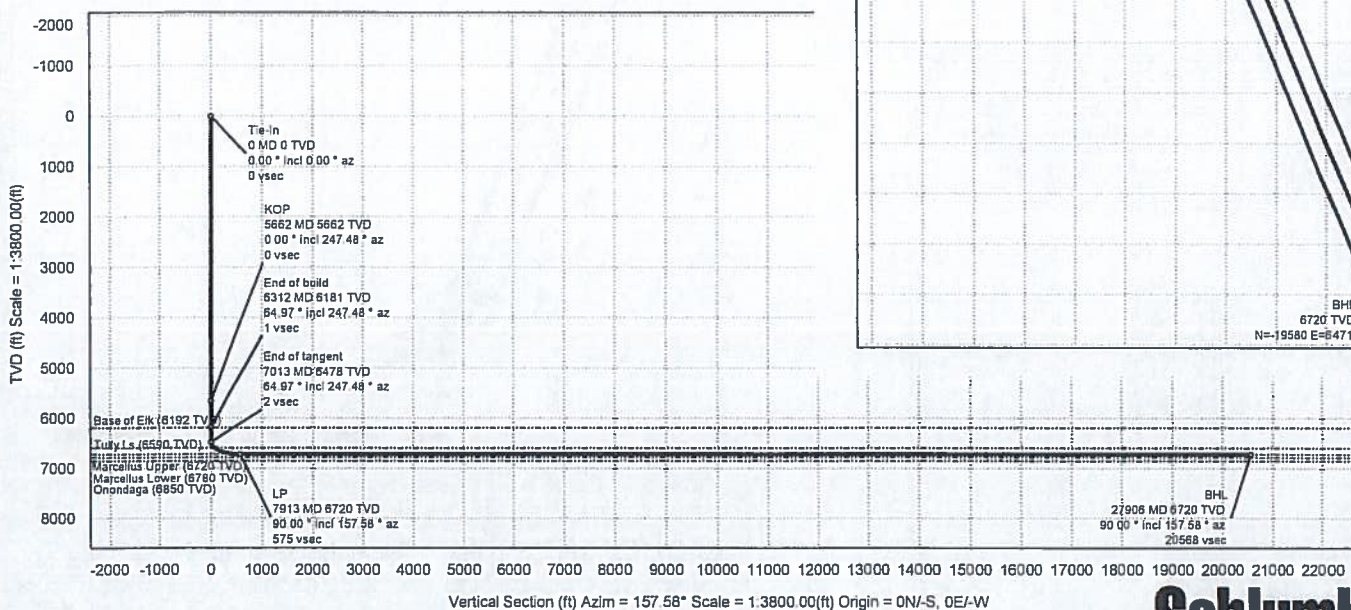
KOP: TVD: 5662.00 TMD: 5662.00 N 40° 19' 59.94" W 80° 12' 23.41"
Landing Point: TVD: 6720.00 TMD: 7912.50 N 40° 19' 48.78" W 80° 12' 37.90"

Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
Tie-In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
KOP	5662.00	0.00	247.48	5662.00	0.00	0.00	0.00	0.00
End of build	6311.73	64.97	247.48	6181.16	0.61	-126.62	-305.36	10.00
Base of Elk	6337.35	64.97	247.48	6192.00	0.65	-135.51	-326.60	0.00
End of tangent	7013.46	64.97	247.48	6478.02	1.78	-370.17	-892.71	0.00
Tully Ls	7288.74	67.89	217.58	6590.00	87.09	-522.00	-1089.53	10.00
LP	7912.50	90.00	157.58	6720.00	574.74	-1097.47	-1153.36	10.00
Marcellus Upper	7912.50	90.00	157.58	6720.00	574.74	-1097.47	-1153.36	10.00
BHL	27905.50	90.00	157.58	6720.00	20567.74	-19579.80	6470.54	0.00
Onondaga	NaN			6850.00				
Marcellus Lower	NaN			6780.00				



Grid
Mag ↑
True ↑

Grid North
Tot Corr (M->G -8.055")
Mag Dec (-9.648")
Grid Conv (-1.594")





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*