

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, S.E. Charleston, WV 25304 (304) 926-0450 fax: (304) 926-0452

Austin Caperton, Cabinet Secretary www.dep.wv.gov

Friday, February 15, 2019 PERMIT MODIFICATION APPROVAL Horizontal 6A / New Drill

ARSENAL RESOURCES LLC 6031 WALLACE ROAD EXTENSION SUITE 603 WEXFORD, PA 15090

Re: Permit Modification Approval for PRITT SOUTH 206

47-033-05909-00-00

Extending the horizontal leg from 5,594.33' to 11,518.27'. Updated leases included.

ARSENAL RESOURCES LLC

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926-0450.

Operator's Well Number: PRITT SOUTH 206

Farm Name: IRA & LAURA PRITT

U.S. WELL NUMBER: 47-033-05909-00-00

Horizontal 6A New Drill Date Modification Issued: 02/15/2019

Promoting a healthy environment.

API NO. 47-033 - 05909 02/15/2019

OPERATOR WELL NO. Pritt South 206
Well Pad Name: Pritt South

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION

1) Well Operator: Arsenal Resources	494519412	Harrison	Simpson	Brownton
	Operator ID	County	District	Quadrangle
2) Operator's Well Number: Pritt South 200	Well P	ad Name: Pritt	South	
3) Farm Name/Surface Owner: Ira and Lau	ra Pritt Public Ro	oad Access: Co	ounty Route	17
4) Elevation, current ground: 1,342.20'	Elevation, proposed	d post-construc	tion: 1,345.	90'
5) Well Type (a) Gas X Other	l Un	derground Stor	rage	
(b)If Gas Shallow X	Deep	-		5De
6) Existing Pad: Yes or No Yes				1/8/19
7) Proposed Target Formation(s), Depth(s), Americal Shale, 7788.0ft (TVD Heel) – 7788.0ft (TVD Heel)				el) - 7888.0ft (TVD Toe)
8) Proposed Total Vertical Depth: 7,874 ft				
9) Formation at Total Vertical Depth: Marc	ellus Shale			
10) Proposed Total Measured Depth: 20,3	02.9 ft			
11) Proposed Horizontal Leg Length: 11,5	18.27 ft			
12) Approximate Fresh Water Strata Depths:	6', 36', 81', 210)', 248', 291', 3	306', 336', 37	76'
13) Method to Determine Fresh Water Depth	S: Offsetting wells reported water	r depths (033-00660, 033	3-00950, 033-00960, 0	33-00976, 033-00980, 033-03262)
14) Approximate Saltwater Depths: 1391'				
15) Approximate Coal Seam Depths: Bakerstown	483', Brush Creek 582', Upper Freeport 6	43', Lower Freeport 703', Up	per Kittanning 778', Middl	e Kittanning 838', Lower Kittanning 851'
16) Approximate Depth to Possible Void (co	al mine, karst, other):	None		
17) Does Proposed well location contain coa directly overlying or adjacent to an active mi		N	lo X	
(a) If Yes, provide Mine Info: Name:			O	RECEIVED ffice of Oil and Gas
Depth:				JAN 9 2019
Seam:			i	AA/ Dopartment of
Owner:			Env	ironmental Protection

WW-6B (04/15)

API NO. 47- 033 -	05909)2/1	5/20	19
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OPERATOR WELL NO. Pritt South 206

Well Pad Name: Pritt South

18)

CASING AND TUBING PROGRAM

ТҮРЕ	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	24	New	H-40	94	80	80	CTS
Fresh Water	13.375	New	J-55	54.5	450	450	CTS
Coal			1,				
Intermediate	9.625	New	J-55	40	1,500	1,500	CTS
Production	5.5	New	P-110	20	20,302	20,302	TOC @ 1,350'MD
Tubing							
Liners		_ 7	10.00				

SDW 1/8/19

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	24	36			0	Class A, 3% CaCl2	1.20
Fresh Water	13.375	17.5	0.38	2730	900	Class A, 3% CaCl2	1.20
Coal							
Intermediate	9.625	12.25	0.395	3,950	1,500	Class A, 3% CaCl2	1.29
Production	5.5	8.5-8.75	0.361	12,640	9,500	Class A, 50:50 Poz	1.29/1.34
Tubing					5,000		
Liners	-				N/A		

PACKERS

Kind:	
Sizes:	
Depths Set:	REGENTED Curce of the G
	IAN 0 2016

WV Department of Environmental Protection

		02/15/2019
PI NO. 47- 033	- 05909	02/10/2010

OPERATOR WELL NO. Pritt South 206
Well Pad Name: Pritt South

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

The well will be started with a conductor rig drilling a 36" hole to Conductor programmed depth then running 24" casing and circulate cement back to surface. The conductor rig will move out and the drilling rig will move in and rig up. The drilling rig will then spud a 17 $\frac{1}{2}$ " hole and drill to fresh water casing (Surface) to the programmed depth, Run 13- $\frac{3}{8}$ " casing and cement to surface. The rig will continue drilling a 12- $\frac{1}{4}$ " intermediate hole to the programmed depth, run 9- $\frac{5}{8}$ " casing and cement to surface. The rig with then continue to drill an 8- $\frac{3}{4}$ " hole to a designed KOP. We will then start drilling the curve and lateral section to the programmed total measured depth, run 5 $\frac{1}{2}$ " casing and cement according to the program.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

The well will be completed using a plug and perforation method and stimulated with a slickwater and sand slurry. The anticipated maximum rate will be 90 bpm and the maximum pressure will be 9,500 psi.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 29.78
- 22) Area to be disturbed for well pad only, less access road (acres): 9.15
- 23) Describe centralizer placement for each casing string:

24"- No centralizers 13 3/8" – one bow spring centralizer on every other joint 9 5/8" – one bow spring centralizer every third joint from TD to surface 5 $\frac{1}{2}$ " – one semi rigid centralizer on every joint from TD of casing to end of curve. Then every other joint to KOP. Every third joint from KOP to 1,600'; there will be no centralizers from 1,600' to surface.

24) Describe all cement additives associated with each cement type:

24" will be circulated to surface. The 13 3/8" casing will be cemented to surface with Class A cement and no greater than 3% CaCl (calcium chloride). The 9 5/8" casing will be cemented to surface with Class A cement, & no greater than 3% calcium chloride. The 5 1/2" production string will be cemented back to 1,350' (+/-150' above the casing shoe for the 9 5/8") with Class A and 50/50 Poz cement retarded (to extend pumpability) cellophane flaked for fluid loss, Bentonite gel as an extender (increased pumpability and fluid loss), a defoaming agent to decrease cement foaming during mixing to insure the cement is of proper weight to placement and possibly gypsum gas blocking additive to aid in blocking/gas migration (in combination with other additive mentioned here, helps cement achieve a "right angle" set) during the plastic phase of the cement set-up.

25) Proposed borehole conditioning procedures:

Top holes will be drilled with fresh water KOP. At KOP, the wellbore will be loaded with synthetic oil based mud, barite-weighted mud system with such properties as to build a filter-cake on the face to the bore-hole. This will provide lubricity as well as stabilizing the well bore. We will begin rotating the drill string and mud will be circulated upon reaching TD until no further cuttings are observed coming across the shaker screens. Once clean mud is circulated back to street we will pull three stands of drill pipe, load the hole, pull three strands and load the hole. The weight indicator on the rig will be monitored for any occurrences of drag and if any are noticed, we will re-run the previous stand of pipe pulled across and occurrence and if any are noticed, we will re-run the base curve, the string will be continuously rotated while pumping 2x bottoms up. We will pull three stands and fill the hole until we reach the vertical section of the well.

Environmental Protection

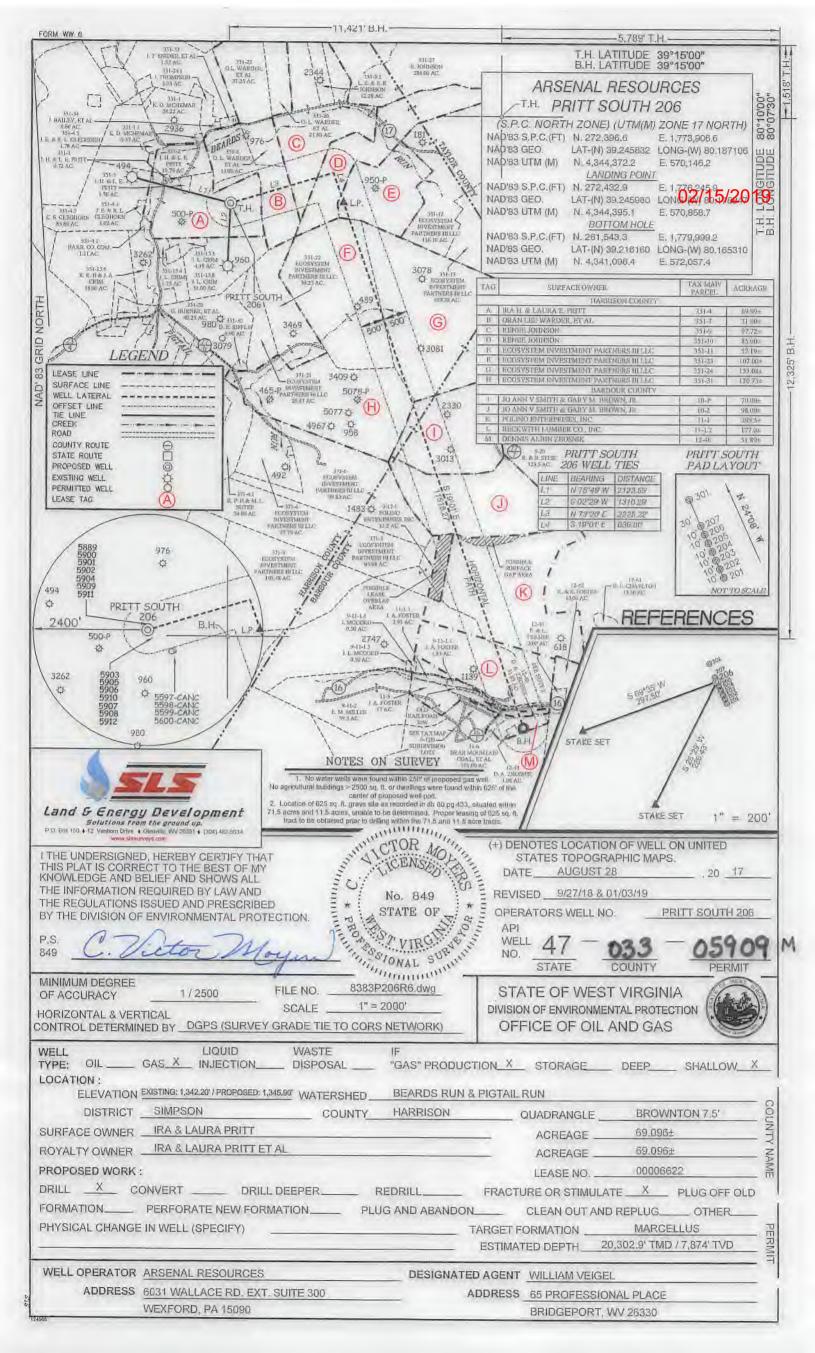
*Note: Attach additional sheets as needed.

02/15/2019 Arsenal Resources ARSENAL Pritt South 206 Casing Design Directional Plan # 4 QES N/A TBD TBD Other Names: Surface Location: Bottom Hole Location: County: State: AFE #: Harrison
West Virginia
XX API#: 20,302 MD (ft) 7,874 TVD Total Depth: RKB: Ground Level: Hole 1,345 Casing and Mud Cement Logs Significant Depth (ft) Depth (ft) TVD Directional & Surveys Formations (TVD) Size Drlg /Csg Point Section 1 None 80 24" 94# H-40 STC Vertical None 17 1/2" (PDC) Floc Water Section 2 Cement: Class A 489 Sack TOC: Surface (top off if needed) 489 Sacks w/ 30% Excess Floo Possible CBL after cement job 450 13 3/8" 54.5# J-55 STC Vertical Section 3 12 1/4" (PDC) Cement: Class A 678 Sacks w/ 50% Excess TOC: Surface (top off if needed) CBL after cament job 1.500 9 5/8" 40# J-55 LTC 1.500 Vertical Mud Data Section 4 Floc Water 80 1500 7,785 Floc Water 11.5- 12.0 ppg SOBM Bit Data To 1,500 8,785 17-1/2" & 12 1/4" PDC 8- 3/4" (PDC) 8- 1/2" (PDC) 1,500 **Directional Data** See Directional Plan Big Lime 1,528 1st Elk Siltstone 4,885 **Tully Lime** 7.485 Purcell (Limestone) 7,852 Cement: Class A- 50/50 POZ 1.2 ft3/sack +10% Exs in OH = Lower Marcellus 7,855 3633 sacks TOC: 1,350 ft 20,302 MD 5 1/2" 20# P-110 VAR Revision Note: Not drawn to scale Cement Outside Casing Seal Assembly in Annulus Date Last Revised: 4-Jan-19 Jarrett Toms

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WW-6A1 (5/13)

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or	A STATE OF THE STA	CO. 100 x 100 x 100	D 1	D 1/D
Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page

See Attached

Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- · WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- · U.S. Army Corps of Engineers
- · U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Arsenal Resources

By: William Veigel

Its: Designated Agent

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Page 1 of

WV Department of Environmental Protection

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Letter Designation/Number Designation on Plat	Grantor, Lessor, Assignor, etc.	Grantee, Lessee, Assignee, etc.	Royalty	Book/Page	Acreage
A [00006622]	Ira Pritt and Laura E. Pritt, Husband and Wife	Carrizo (Marcellus) LLC	15.00%	1448 / 804 1579/26	92.06
	Carrizo (Marcellus) LLC	ACP II Marcellus LLC and Carrizo (Marcellus) LLC		1460/1083	
	Carrizo (Marcellus) LLC and ACP II Marcellus LLC	PDC Mountaineer, LLC		1518/395	
	PDC Mountaineer, LLC	River Ridge Energy, LLC		59/1263	
B [00004364]	O. Carl Morris and Rachel L. Morris, his wife; William T. Morris and Willa R. Morris, his wife; Mary Morris Warder and Willis E. Warder, her husband	Petroleum Development Corporation	12.50%	1018/107	122
	Petroleum Development Corporation	PDC Mountaineer, LLC		1474/612	
	PDC Mountaineer, LLC	River Ridge Energy, LLC		59/1263	
C [00007872]	Walter D. Goodwin and Dorothy Goodwin, his wife	Petro-Lewis Corp.	12.50%	1062/391	103
	Petro-Lewis Corp.	Partnership Properties Co.		1072/213	
	Partnership Properties Co.	Easter American Energy Corporation		1124/449	
	Easter American Energy Corporation	Petroleum Development Corporation		1134/83	
	Petroleum Development Corporation	PDC Mountaineer, LLC		1440/364	
Off En	PDC Mountaineer, LLC	River Ridge Energy, LLC		59/1263	
wv De JAN De JAN De REGOOD	Debra A. Mulneix	Mar Key, LLC	15.00%	1561/464	85
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	85	85	85	85	85	85.1375	85.1375	85.1375	85.1375	52.19	i :	380			
	1561/454	1561/451	1561/490	1568/76	1585/239	1598/842	1596/493	1599/315	1604/287	1453/290	59/1263	853/91	897/286	925/629	
	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	12.50%		12.50%			
Attachment to WW-6A1, Pritt South 206	Mar Key, LLC	Mar Key, LLC	Mar Key, LLC	Mar Key, LLC	Mar Key, LLC	Mar Key, LLC	Mar Key, LLC	Mar Key, LLC	Mar Key, LLC	PDC Mountaineer, LLC	River Ridge Energy, LLC	Union Carbide Corporation	Creslenn Oil Company	Delta Producing Corporation	
Attachn	Phyllis G. Steele	Alice L. Donley	Rebecca Collins Biser, acting in her capacity as Attorney in Fact for James R. Collins, Jr.	Gale M. Steele, widow	Marlene B. Steele, widow, by David E. Bowen and Cheryl L. Bowen, as Attorney-in-Fact	George F. Jack, Jr., single	Charles H. Roberts, widower	Mike Ross Inc. & Waco Oil and Gas Inc.	Chad W. Johnson	Mark V. Schumacher, unmarried	PDC Mountaineer, LLC	Lydia Drainer, Widow	Union Carbide Corporation	Creslenn Oil Company	
	D [00006675]	D [00006676]	D [77990000]	D [0000697]	D [00007736]	D [00007761]	D [00007766]	D [00007864]	D [06620000]	E [00004556]		F, G, H [00003555]	1	N	/ED Gas and Gas 9 2019 artment of tal Protection

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	;	Delta Producing Corporation	Petroleum Corporation of America		967/575		
		Petroleum Corporation of America	Petroleum Development Corporation		977/168 977/153		1
		Petroleum Development Corporation	PDC Mountaineer, LLC		1440/364		-
本		PDC Mountaineer, LLC	River Ridge Energy, LLC		59/1263		— т
	[20680000]	Michael Stein, Trustee for Linda Waldman and Robert S. Stein	Petroleum Development Corporation	12.50%	110/258	70	
		Petroleum Development Corporation	PDC Mountaineer, LLC		150/444		
*		PDC Mountaineer, LLC, and PDC Energy, Inc.	Seneca-Upshur Petroleum, LLC	·	165/438		П
	J, K [00008219]	Hal S. Raper, jr. and Cathy C. Raper, husband and wife	Mar Key, LLC	12.50%	181/173	227.563	
	K, L, M [00005936]	Mabel Cleavenger	Union Drilling, Inc.	12.50%	78/284	85	
		Union Drilling, Inc.	Equitable Resources Exploration, Inc.		98/11		
		Equitable Resources Exploration, Inc.	Equitable Resources Energy Company		325/219		I
		Equitable Resources Energy Company	Fuel Resources Production and Development, Inc.		328/171		
		Fuel Resources Production and Development, Inc.	The Houston Exploration Company		116/81		
		The Houston Exploration Company	Seneca-Upshur Petroleum, Inc.		383/187 (also 13/162)		
		Seneca-Upshur Petroleum, Inc.	Seneca-Upshur Petroleum, LLC.		138/1		
Environm Environm	NAI	Dennis Albin Zbosnik, married and doing business in his sole and separate right	Mar Key, LLC	12.50%	DB 349/492	3.918	
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West Virginia Secretary of State — Online Data Services

Business and Licensing

Online Data Services Help

Business Organization Detail

NOTICE: The West Virginia Secretary of State's Office makes every reasonable effort to ensure the accuracy of information. However, we make no representation or warranty as to the correctness or completeness of the information. If information is missing from this page, it is not in the The West Virginia Secretary of State's database.

MAR KEY LLC

Organization Information								
Org Type	Effective Date	Established Date	Filing Date	Charter	Class	Sec Type	Termination Date	Termination Reason
LLC Limited Liability Company	7/11/2011		7/11/2011	Domestic	Profit			

Business	2111 - Mining, Quarrying, Oil & Gas Extraction - Oil and Gas	Capital		
Purpose	Extraction - Crude Oil and Natural Gas Extraction	Stock		
Charter County		Control Number	99Q1F	
Charter State	w	Excess Acres		
At Will Term	Α	Member Managed	MBR	
At Will		_		SECEN
Term Years		Par Value		RECEN Office of Oil

WV Department of Environmental Protection

Authorized Shares

Addresses		
Туре	Address	
Designated Office Address	65 PROFESSIONAL PLACE SUITE 200 BRIDGEPORT, WV, 26330	
Mailing Address	6031 WALLACE ROAD EXTENSION SUITE 300 WEXFORD, PA, 15090 USA	
Notice of Process Address	CORPORATION SERVICE COMPANY 209 WEST WASHINGTON STREET CHARLESTON, WV, 25302	
Principal Office Address	6031 WALLACE ROAD EXTENSION SUITE 300 WEXFORD, PA, 15090 USA	
Гуре	Address	

Officers	
Туре	Name/Address
Member	ARSENAL RESOURCES ENERGY LLC 6031 WALLACE ROAD EXTENSION SUITE 300 WEXFORD, PA, 15090
Organizer	PAUL M HERZING 560 EPSILON DR. PITTSBURGH, PA, 15238 USA
Туре	Name/Address

	RECEIVED Office of Oil and Gas
Annual Reports	JAN 9 2019
Date filed	WV Department of Environmental Protection

Date filed	
5/8/2012	
6/28/2013	
4/28/2014	
6/30/2015	
6/20/2016	
3/30/2017	

For more information, please contact the Secretary of State's Office at 304-558-8000.

Tuesday, November 28, 2017 — 9:44 AM

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JAN 9 2019

Agreement to Drill, Complete and Operate Oil & Gas Wells

This Agreement to Drill, Complete and Operate Oil & Gas Wells (this "Agreement"), by and among Arsenal Resources LLC, a West Virginia limited liability company ("Arsenal"), River Ridge Energy, LLC, a Delaware limited liability company ("River Ridge"), and River Ridge Energy, Holdings, LLC, a Delaware limited liability company ("River Ridge Holdings"), is effective as of March 1, 2017. (the "Effective Date") and sets forth the terms pursuant to which Arsenal will drill, complete and operate the Wells (as defined below) on behalf of River Ridge and River Ridge Holdings. Arsenal, River Ridge, and River Ridge Holdings are each a "Party" and are collectively the "Parties". In consideration of the foregoing and the respective agreements hereinafter set forth and the mutual benefits to be derived therefrom, the Parties, intending to be legally bound, hereby agree as follows:

- 1. Term: This Agreement is effective from the Effective Date until terminated by Arsenal on the one hand or River Ridge and River Ridge Holdings on the other hand with 30 days' written notice to the other Party or Parties, as applicable (the "Term").
- Authorization to Operate: River Ridge and River Holdings authorize Arsenal to undertake and perform, on River Ridge and River Ridge Holdings behalf, all operations, including without limitation permit applications, well pad preparation, drilling and completing wells, and marketing gas, oil and other hydrocarbons therefrom with respect to all oil and gas wells to be drilled on oil and gas leasehold acreage held by River Ridge or River Ridge Holdings. River Ridge, River Ridge Holdings and Arsenal are affiliates with a common parent. Arsenal was formed to operate oil and gas leasehold acreage held by River Ridge, River Ridge Holdings and certain other affiliates. Arsenal agrees that it shall, in a good and workmanlike manner and in accordance with industry standards as they prevail in the area, drill, complete and operate oil and gas wells on leasehold acreage owned by River Ridge or River Ridge Holdings from time to time as directed by River Ridge or River Ridge Holdings (collectively, the "Wells").
- 3. No Third Party Beneficiary: This Agreement is for the benefit of the Parties and is not for the benefit of any third party.
- 4. Counterparts: This Agreement may be simultaneously executed in several counterparts and via facsimile or similar electronic transmittal, each of which shall be deemed to be an original and taken together shall constitute one and the same instrument.

[Signature Page Follows]

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JAN 9 2019

WW Department of Environmental Protection IN WITNESS WHEREOF, Arsenal, River Ridge, and River Ridge Holdings have caused their duly authorized representatives to execute this Agreement as of the Effective Date.

ARSENAL RESOURCES LLC

Name: Joel E. Symonds

Title: Vice President - Land

RIVER RIDGE ENERGY, LLC

Name: Joel E. Symonds

Title: Vice President - Land

RIVER RIDGE HOLDINGS, LLC

Name: Joel E. Symonds

Title: Vice President - Land

Office of Oil and Gas

JAN 9 2019

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Business and Licensing

Online Data Services Help

Business Organization Detail

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SENECA-UPSHUR PETROLEUM, LLC

Organization Information								
Org Type	Effective Date	Established Date	Filing Date	Charter	Class	Sec Type	Termination Date	Termination Reason
LLC Limited Liability Company	2/12/1973		2/12/1973	Domestic	Profit			

Business Purpose	2111 - Mining, Quarrying, Oil & Gas Extraction - Oil and Gas Extraction - Crude Oil and Natural Gas Extraction	Capital Stock		
Charter County		Control Number	0	
Charter State	w	Excess Acres	0	
At Will Term	Α	Member Managed	MBR	
At Will Term Years		Par Value		
Authorized Shares				

9 2019

Addresses		
Туре	Address	
Designated Office Address	65 PROFESSIONAL PLACE SUITE 200 BRIDGEPORT, WV, 26330	
Mailing Address	6031 WALLACE ROAD EXTENSION SUITE 300 WEXFORD, PA, 15090 USA	
Notice of Process Address	CORPORATION SERVICE COMPANY 209 WEST WASHINGTON STREET CHARLESTON, WV, 25302	
Principal Office Address	6031 WALLACE ROAD EXTENSION SUITE 300 WEXFORD, PA, 15090 USA	
Туре	Address	

Туре		Name/Address	
	Organizer	TAMMY J OWEN 300 SUMMERS STREET, STE 1500 PO BOX 2107 CHARLESTON, WV, 25328 USA	
	Member	RIVER RIDGE ENERGY, LLC 6031 WALLACE ROAD EXTENSION, SUITE 300 WEXFORD, PA, 15090	
Туре		Name/Address	
Officer	' S		

DBA					
DBA Name	Description	Effective Date	Termination Date		
KEYSPAN PRODUCTION & DEVELOPMENT COMPANY	TRADENAME	6/11/2004			
NATIONAL GRID	TRADENAME	8/17/2007			
NATIONAL GRID PRODUCTION AND DEVELOPMENT	TRADENAME	12/5/2008	5/9/2012		
DBA Name	Description	Effective Date	Termination Date		

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Name Changes

NV Department of Environmental Protection

Date	Old Name	
3/28/2011	SENECA-UPSHUR PETROLEUM, INC.	
Date	Old Name	

Date	Amendment
6/15/2016	AMENDMENT FILED CHANGING FROM A MANAGER-MANAGED CO. TO A MEMBER-MANAGED CO. >> REMOVED ROBERT KOZEL & STEPHEN A. BISHOP AS MANAGERS & ADDED SOLE MEMBER (C IMAGE).
3/28/2011	CONVERSION: FROM SENECA-UPSHUR PETROLEUM, INC. TO SENECA-UPSHUR PETROLEUM, LLC
7/25/1997	MERGER; MERGING LITTLE SWISS DRILLING COMPANY, A QUAL WV CORP AND PALACE VALLEY PETROLEUM COMPANY, A QUAL WV CORP WITH AND INTO SENECA-UPSHUR PETROLEUM, INC., A QUAL WV CORP, THE SURVIVOR.
Date	Amendment

Annual Reports	
Filed For	
2018	
2017	
2016	
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2002	RECEIVED Office of Oil and Gas
2001	2010
2000	
://apps.sos.wv.gov/business/corporations/organization.aspx?org=26043	WV Department of Environmental Protection

1999			
1998			
Date filed			

For more information, please contact the Secretary of State's Office at 304-558-8000.

Wednesday, July 18, 2018 — 1:13 PM

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People Powered. Asset Strong.

September 10, 2018

Mr. James Martin, Chief of Oil and Gas West Virginia Department of Environmental Protection 601 57th Street, SE Charleston, WV 25304

RE: Ownership of Roadways; Pritt South Pad

Dear Mr. Martin:

In preparation of filing a permit application for the above referenced well, the Title Department of Arsenal Resources has conducted a thorough title examination in order to determine the ownership of the oil and gas underlying all roadways crossed by the proposed wells. The findings of the title examination show that some of the roadways crossed by the proposed wells are owned in fee by the West Virginia Department of Transportation, Division of Highways and that some are only right of ways. If owned in fee by the West Virginia Department of Transportation, Division of Highways, a lease covering its interest in the roadway or roadways has been properly obtained and provided in the application materials. If a right of way only, the oil and gas underlying such roadway or roadways is owned by the adjoining landowners and is also covered by the leaseholds provided in the application materials.

If you have any questions, concerns or need further information, please do not hesitate to contact me at the address listed below.

Sincerely,

Coty Brandon Title Manager

www.arsenalresources.com

RECEIVED

Office of Oil and Gas



January 8, 2019

WVDEP Office of Oil and Gas ATTN: Laura Adkins 601 57th Street SE Charleston, WV 25304

RE: Pritt South Pad – Pritt South 206, API# 47-033-05909 – Modification due to additional leasing to extend lateral

Dear Laura:

Enclosed please find the modification for the Pritt South 206, (API# 47-033-05909). This permit is being modified due to acquiring additional leases to extend the lateral. This well was originally permitted to 5,594.33'. We have obtained additional leasing for this site during this modification and request to extend the lateral 5,923.94' for a total of 11,518.27'. This application will need to re-place the current application at the DEP that is on operator hold. Once this has been replaced, please remove the operator hold. Included are the following:

- Plat
- WW-6B, Well Work Permit Application/Casing
- Well Bore Schematic
- WW-6A1, Lease Information
- Roadway Letter
- Site Safety Plan
- AOR

Office of Oil and Gas

JAN 9 2019

WV Department of Environmental Protection

Should you have any questions or need any additional information, please feel free to contact me by phone or email. Thank you!

Sincerely,

Kelly Davis

Permitting Specialist 1-304-517-8743 mobile 1-724-940-1218 office

kdavis@arsenalresources.com