

#### 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

Harold D. Ward, Cabinet Secretary www.dep.wv.gov

Monday, August 12, 2024 WELL WORK PERMIT Horizontal 6A / New Drill

ARSENAL RESOURCES LLC 6031 WALLACE RD EXT., SUITE 101

WEXFORD, PA 15090

Re:

Permit approval for Laura Goff Davis 202

47-033-06039-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926.

Operator's Well Number: Laura Goff Davis 202

Farm Name: Laura Goff Davis, Et Al

U.S. WELL NUMBER: 47-033-06039-00-00

Horizontal 6A New Drill

Date Issued: 8/12/2024

API Number: 4703306039

### PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

#### **CONDITIONS**

- 1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Also, 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- 8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
- 11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

WW-6B (04/15)

API NO. 47-033			
<b>OPERATOR WELL</b>	NO.	202	
Well Pad Name:	Laura	Goff Davis	

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

1) Well Operator: Arsenal Re	esources	494519412	Harrison /	Clark	Clarksburg
		Operator ID	County	District	Quadrangle
2) Operator's Well Number: 20	02	Well Pad	l Name: Laura	Goff Davi	
3) Farm Name/Surface Owner:	Laura Goff Dav	is Public Roa	d Access: Arm	nory Road	
4) Elevation, current ground:	1012.62 ft E	levation, proposed	nost-constructi	on: 1007 :	85 ft
5) Well Type (a) Gas X	Oil		erground Storag		55 IL
Other	The second secon	Once	"Broana Biorag	50	
(b)If Gas Sha	allow X	Deep		The state of the s	
Но	orizontal X	Deep	JEST LEDNING THE STREET		
6) Existing Pad: Yes or No No	- D	To the second second second			
7) Proposed Target Formation(s Marcellus Shale, Top - 7002 ft	s), Depth(s), Antic t, Base - 7089 ft, A	cipated Thickness ar	nd Expected Pr	essure(s):	e - 0 5 pei/ft
8) Proposed Total Vertical Dept					
9) Formation at Total Vertical I		s Shale	-		
10) Proposed Total Measured D	•	/			
11) Proposed Horizontal Leg Le	-	/		-	
12) Approximate Fresh Water S	trata Denths:	40', 121', 580'	/		
13) Method to Determine Fresh	- T		na watar (022 (	11107 022	-04468, 033 <b>-0452</b> 0)
14) Approximate Saltwater Dep		- Toot were reporting	ig water (000-0	71107, 033-	·04468, 033- <b>04520</b>
15) Approximate Coal Seam De		No Coal Mapped :	: 300ft Estima	ted o	RECEIVED  ffice of Oil and Gas
16) Approximate Depth to Possi	ible Void (coal mi	ne, karst, other):	lone Known		JUL 1 2 2024
17) Does Proposed well location directly overlying or adjacent to	n contain coal sear an active mine?	ns Yes	No.	None Kno	WV Department of wironmental Protection
(a) If Yes, provide Mine Info:	Name:				
	Depth:				
	Seam:				
	Owner:				
				Ky	Willet
					Page 1 of 3

WW-6B (04/15)

API NO. 47- 033 OPERATOR WELL NO. 202
Well Pad Name: Laura Goff Davis

18)

### CASING AND TUBING PROGRAM

TYPE	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	102.7	120	120 /	CTS
Fresh Water	13.375	New	J-55	54.5	650	650 /	CTS
Coal							
Intermediate	9.625	New	J-55	40	2600	2600 /	CTS
Production	5.5	New	P-110	20	7075	7075	TOC @ 2450
Tubing							
Liners							

ТҮРЕ	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/L, 3% CaCl2	1.2
Fresh Water	13.375	17.5	0.38	2,730	900	Class A/L, 3% CaCl2	1.2
Coal							1,2
Intermediate	9.625	12.25	0.395	3,950	1500	Class A/L, 3% CaCl2	1.29
Production	5.5	8.5-8.75	0.361	15,920	11,500	Class A/L, Poz	1.29/1.34
Tubing					5,000		1,20, 1,0 ,
Liners					N/A		***************************************

**PACKERS** 

RECEIVED
Office of Oil and Gas

Kind:	JUL 1 2 2024
Sizes:	WV Department of Environmental Protection
Depths Set:	

Ky Wielet

WW-6B (10/14)

API NO. 47- 033 OPERATOR WELL NO. 202
Well Pad Name: Laura Goff Davis

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 ½" hole and drill to fresh water casing (Surface) to the programmed depth, Run 13- 3/8" casing and cement to surface. The rig will continue drilling a 12- ½" intermediate hole to the programmed depth, run 9- 5/8" casing and cement to surface. The rig with then continue to drill an 8- ¾" hole to a designed KOP. We will then start drilling the curve and lateral section to the programmed total measured depth, run 5 ½" 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 11,500 psi.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 17.13
- 22) Area to be disturbed for well pad only, less access road (acres): 6.54
- 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 2,700'; there will be no centralizers from 2,700' to surface.

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

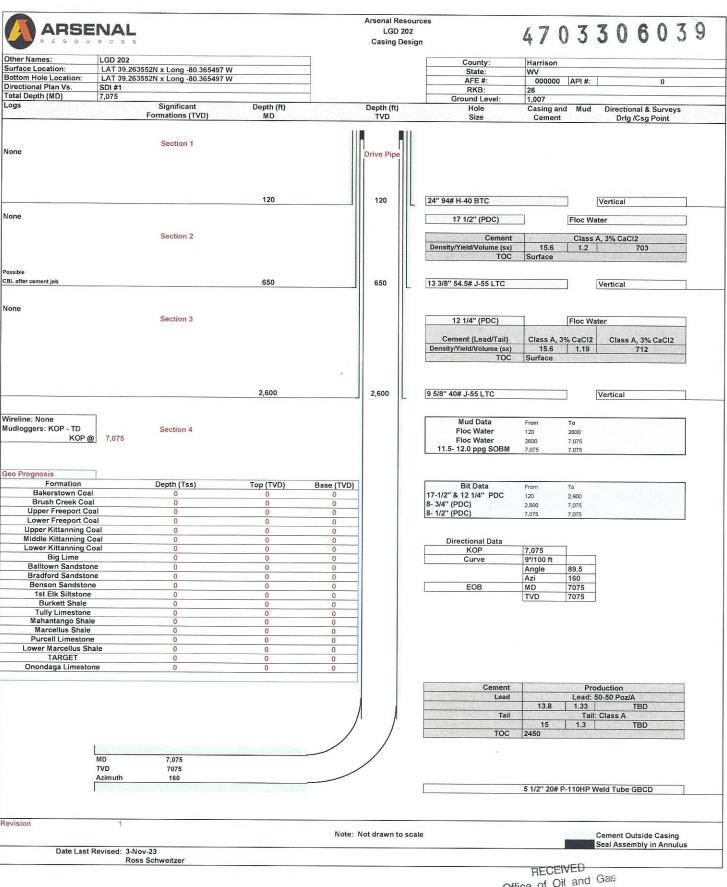
24" will be circulated to surface. The 13 3/8" casing will be cemented to surface with Class A/L cement and no greater than 3% CaCl (calcium chloride). The 9 5/8" casing will be cemented to surface with Class A/L cement, & no greater than 3% calcium chloride. The 5 1/2" production string will be cemented back to 1,350' (+/- 150' above the casing shoe for the 9 5/8") with Class A/L 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

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 of 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 surface, 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 circulate 2x bottoms up while watching shakers for signs of cuttings. Once at 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.

\*Note: Attach additional sheets as needed.

Ky Wielets Page 3 of 3



Office of Oil and Gas

JUL 12 2024

WV Department of Environmental Protection 08/16/2024 WW-9 (4/16)

API Number	47 -	033		
Ope	rator's	Wel	II No. Laura Goff Davis 202	

## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

#### FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

FLUIDS/ CUTTINGS DISPOSAL & RECLAMA	TION PLAN
Operator Name_Arsenal Resources	OP Code 494519412
Watershed (HUC 10) West Fork Quadrangle Cl	arksburg
Do you anticipate using more than 5,000 bbls of water to complete the proposed well	· · · · · · · · · · · · · · · · · · ·
Will a pit be used? Yes No	103 10 10 10 10 10 10 10 10 10 10 10 10 10
If so, please describe anticipated pit waste:	
Will a synthetic liner be used in the pit? Yes No If so,	what ml.?
Proposed Disposal Method For Treated Pit Wastes:	RECEIVED
Land Application	Office of Oil and Gas
Underground Injection (UIC Permit Number	)
Reuse (at API Number Various	JUL 1 2 2024
Off Site Disposal (Supply form WW-9 for disposal location	
Other (Explain	
	Environmental Protectio
Will closed loop system be used? If so, describe: Yes, the closed loop system will contain all of the drilling	g medium and drill cuttings on location and then be taken to a landfill
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, or	oil based, etc. Vertical: Freshwater, Horizontal: Oil based mud
-If oil based, what type? Synthetic, petroleum, etc. synthetic	
Additives to be used in drilling medium?Bentonite, soap & polymer sticks, soda ash, sodium bi	icarbonate, defoamer, base oil, emulsifiers, lime, barite
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etclandfill	
-If left in pit and plan to solidify what medium will be used? (cement, lime,	sawdust)_n/a
-Landfill or offsite name/permit number? Meadowfill Landfill/Waste Management	A STATE OF THE STA
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill West Virginia solid waste facility. The notice shall be provided within 24 hours of rej where it was properly disposed.	cuttings or associated waste rejected at any ection and the permittee shall also disclose
I certify that I understand and agree to the terms and conditions of the GEN on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of I provisions of the permit are enforceable by law. Violations of any term or conditional law or regulation can lead to enforcement action.  I certify under penalty of law that I have personally examined and am far application form and all attachments thereto and that, based on my inquiry of the obtaining the information, I believe that the information is true, accurate, and compensatives for submitting false information, including the possibility of fine or imprison Company Official Signature	Environmental Protection. I understand that the on of the general permit and/or other applicable uniliar with the information submitted on this those individuals immediately responsible for mplete. I am aware that there are significant
Company Official (Typed Name) Dave Boyer	Allegheny County
Company Official Title Director of Geology & Development Planning	My commission expires March 17, 2026 Commission number 1013834
	Member, Pennsylvania Association of Notaries
Subscribed and sworn before me this Oth day of Ulg	, 20 24
Donnaire O'Courses	Notary Public
3/17/2026	rouny 1 uono
My commission expires 5/11/50 FG	1/1/201

Form WW-9

Title: Inspector

Field Reviewed?

Operator's Well No. Laura Goff Davis 202 Arsenal Resources Proposed Revegetation Treatment: Acres Disturbed 17.050 Prevegetation pH 6.8 average Lime 2.67 \_ Tons/acre or to correct to pH 6.4 Fertilizer type 10-20-20 Fertilizer amount 1000 lbs/acre Mulch 3-4 Tons/acre Seed Mixtures Temporary Permanent Seed Type lbs/acre Seed Type lbs/acre **Orchard Grass** 129 **Orchard Grass** 129 Rye 93 Rye 93 Clover 24 Clover 24 Timothy 45 Timothy 45 Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area. Photocopied section of involved 7.5' topographic sheet. Plan Approved by: Ky Wielet Comments: RECEIVED Office of Oil and Gas WV Department of Environmental Protection

Date: 7/8/24

Yes (\_\_\_\_) No



## SITE SAFETY PLAN

Laura Goff Davis PAD, WELL #202

911 Address:

920 Armory Rd Clarksburg, WV 26301

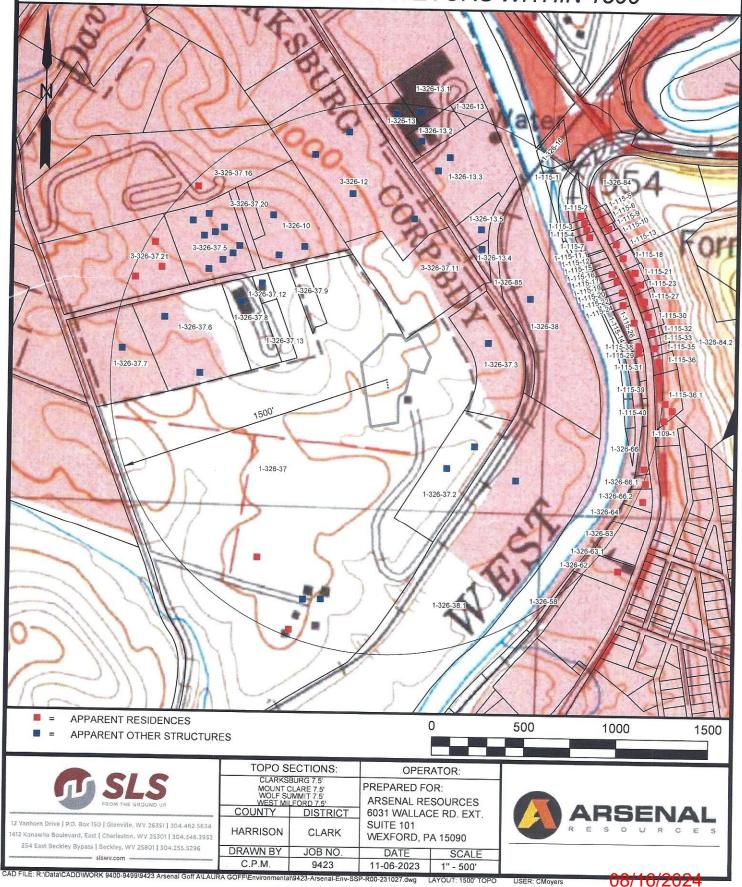
Ky Willow

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JUL 1 2 2024

WV Department of Environmental Protection

# ARSENAL RESOURCES 47 0 3 3 0 6 0 3 9 LGD WELL PAD POSSIBLE WATER PURVEYORS WITHIN 1500'



Office of Oil and Gas

JUL 1 2 2024

ARSENAL RESOURCES LGD WELL PAD PUBLIC WATER INTAKE MAP

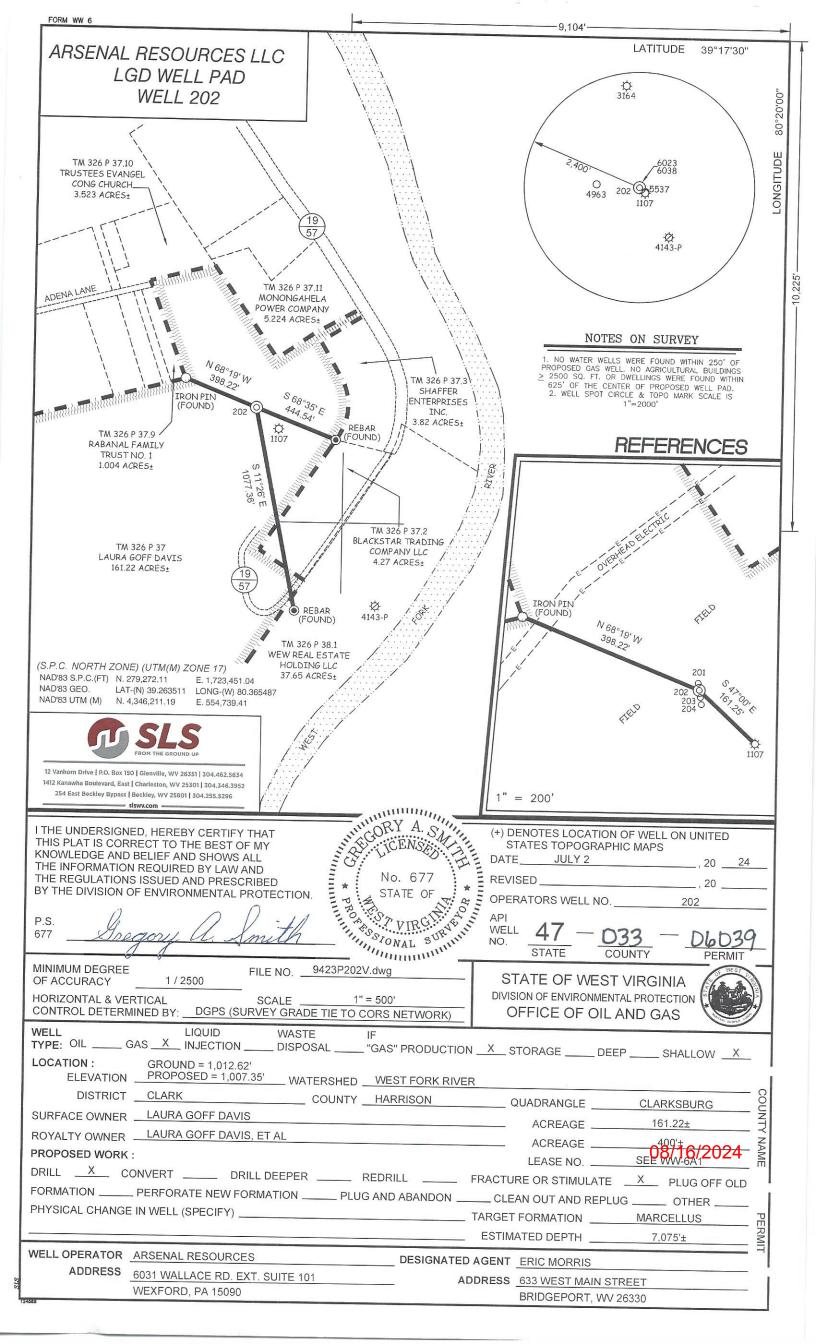


12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634 1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952 254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296

2022	AERIAL	OPER	ATOR:
		PREPARED FO	
COUNTY	DISTRICT	6031 WALLAC	E RD. EXT.
HARRISON	CLARK	SUITE 101 WEXFORD, P.	A 15090
DRAWN BY	JOB NO.	DATE	SCALE
C.P.M.	9423	11-06-2023	1" - 2000'



6000



Operator's Well No. Laura Goff Davis #202

### 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 Number

Grantor, Lessor, etc.

Grantee, Lessee, etc.

Royalty

Book/Page

See attached

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Office of Oil and Gas

JUL 1 2 2024

WV Department of Environmental Protection

#### 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:

By:

Dave Bove

Its:

Director of Geology & Development Planning

Page 1 of 2

### Attachment to WW-6A1, Laura Goff Davis 202

tter Designation/Number Designation on Plat	Grantor, Lessor, Assignor, etc.	Grantee, Lessee, Assignee, etc.	Royalty	Book/Page	Acreage
1 (00003556)	GOFF DAVIS	Petroleum Development Corporation	12.50%	1007 / 714	1622
	Petroleum Development Corporation	PDC Mountaineer LLC		1440 / 364	
	PDC Mountaineer LLC	River Ridge Energy LLC		59 / 1260	

## 4703306039

## 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:

- 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").
- 2. 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]

RECEIVED
Office of Oil and Gas

JUL 1 2 2024

WV 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

By: for L. Name: Joel E. Symonds

Name: Joel E. Symonds
Title: Vice President - Land

RIVER RIDGE HOLDINGS, LLC

Name: Joel E. Symonds

Title: Vice President - Land



People Powered. Asset Strong.

July 8, 2024

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; Laura Goff Davis

Dear Mr. Martin:

In preparation of filing a permit application for the above referenced well, Arsenal Resources has conducted a thorough title examination in order to determine the ownership of the oil and gas underlying roadways crossed by the proposed well(s). 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,

Jon Sheldon

Chief Operating Officer

Jon Sheldon

WW-PN (11-18-2015)

#### Horizontal Natural Gas Well Work Permit Application Notice By Publication

Notice is hereby given:

Pursuant to West Virginia Code 22-6A-10(e) prior to filing an application for a permit for a horizontal well the applicant shall publish in the county in which the well is located or is proposed to be located a Class II legal advertisement.

Paper: Expor	ent T	elegram				
<b>Public Notice</b>	Date	9-29-2023 and 10-6-202	23			
The following surface excludant thirty day p	ing pi	cant intends to apply for a pelines, gathering lines and.	a horizontal natur nd roads <b>or</b> utilize	al well worl	k permit which disturb two hundred ten thou	s three acres or more of sand gallons of water in
Applicant: Ar	senal	Resources		_ Well Num	ıber: Laura Goff Davis	s 201 <mark>,202,</mark> 203,204
Address: 603	1 Wal	lace Road Extension, Suit	te 101			
Wexford, PA 1	5090		100 (100 (100 (100 (100 (100 (100 (100			
	lucte	d: Natural gas production	n.			
Location –						RECEIVED
State:		West Virginia	C	ounty:	Harrison	Office of Oil and Gas
Distri	ct:	Clark	Q	uadrangle:	Clarksburg	111 1 2 2024
UTM	Coor	dinate NAD83 Northing:	4346215.68, <mark>43462</mark>	211.19, 434620	06.69, 4346202.20	301.
UTM Water		linate NAD83 Easting: West Fork River	554738.58, <mark>554739</mark>	<mark>9.41,5</mark> 54740.24	i, 554741.07	WV Department of Environmental Protection

#### **Coordinate Conversion:**

To convert the coordinates above into longitude and latitude, visit: <a href="http://tagis.dep.wv.gov/convert/llutm\_conus.php">http://tagis.dep.wv.gov/convert/llutm\_conus.php</a>

#### Electronic notification:

To receive an email when applications have been received or issued by the Office of Oil and Gas, visit <a href="http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx">http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx</a> to sign up.

#### **Reviewing Applications:**

Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE Charleston, WV 25304 (304-926-0450). Full copies or scans of the proposed permit application will cost \$15, whether mailed or obtained at DEP headquarters. Copies may be requested by calling the office or by sending an email to <u>DEP.comments@wv.gov</u>.

#### **Submitting Comments:**

Comments may be submitted online at <a href="https://apps.dep.wv.gov/oog/comments/comments.cfm">https://apps.dep.wv.gov/oog/comments/comments.cfm</a>, or by letter to Permit Review, Office of Oil and Gas, 601 57<sup>th</sup> Street, SE Charleston, WV 25304. Please reference the county, well number, and operator when using this option.

Regardless of format for comment submissions, they must be received no later than thirty days after the permit application is received by the Office of Oil and Gas.

For information related to horizontal drilling visit: www.dep.wv.gov/oil-and-gas/pages/default.aspx

## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE CERTIFICATION

Date of Notic	e Certification: 07/08/2024	<b>API No.</b> 47-	- 033 -	
		Operator's	Well No. 202	
		7	ame: Laura	
Notice has b	een given:			
Pursuant to the	e provisions in West Virginia Code	§ 22-6A, the Operator has provided the requ	uired parties	with the Notice Forms liste
State:	tract of failu as follows:			
County:	West Virginia		554746.04	
District:	Harrison Clark	Northing:	4346221.35	
Quadrangle:			Armory Road	
Watershed:	Clarksburg West Fork River	Generally used farm name:	Laura Goff Davis	3
watersheu.	West Fork River			
it has provided information re- of giving the strequirements of Virginia Code	the owners of the surface describ quired by subsections (b) and (c), se surface owner notice of entry to su of subsection (b), section sixteen of	every permit application filed under this nall contain the following information: (14) and in subdivisions (1), (2) and (4), subsection sixteen of this article; (ii) that the required pursuant to subsection (a), section test this article were waived in writing by the ender proof of and certify to the secretary that.	A certification (b), se uirement was en of this art	ton from the operator that (ction ten of this article, the deemed satisfied as a result tele six-a; or (iii) the notice when and Purpose the No.
Pursuant to W that the Opera	Vest Virginia Code § 22-6A, the Opator has properly served the required	erator has attached proof to this Notice Cer d parties with the following:	rtification	2 2 3 4 5 4 5
	CK ALL THAT APPLY			OOG OFFICE USE ONLY
☐ 1. NOT	ICE OF SEISMIC ACTIVITY or	NOTICE NOT REQUIRED BECAUS SEISMIC ACTIVITY WAS CONDUCTED	SE NO ED	RECEIVED/ NOT REQUIRED
■ 2. NOT	ICE OF ENTRY FOR PLAT SURV	EY or $\square$ NO PLAT SURVEY WAS CO	NDUCTED	☐ RECEIVED
☐ 3. NOTI	ICE OF INTENT TO DRILL or	NOTICE NOT REQUIRED BECAUS NOTICE OF ENTRY FOR PLAT SURVE WAS CONDUCTED or		RECEIVED/ NOT REQUIRED
		☐ WRITTEN WAIVER BY SURFACE (PLEASE ATTACH)	E OWNER	
■ 4. NOTI	CE OF PLANNED OPERATION	Office of Oil ar	ond Gas	☐ RECEIVED
■ 5. PUBL	IC NOTICE	JUL 12	2024	☐ RECEIVED
■ 6. NOTI	CE OF APPLICATION	JUL 1 2  WV Depart  Environmental	a of	☐ RECEIVED

#### Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

WW-6AC (1/12)

### Certification of Notice is hereby given:

THEREFORE, I Dave Boyer , have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator: Arsenal Resources

By:

Dave Boyer

Its:

Director of Geology and Development Planning

Telephone:

724-940-1100

Address:

6031 Wallace Road Extension, Suite 300

Wexford, PA 15090

Facsimile:

Email:

dboyer@arsenalresources.com

Commonwealth of POTAR WARAL Notary Seal Annmarie O'Connor, Notary Public

Allegheny County My commission expires March 17, 2026

Commission number 1013834 Member. Pennsylvania Association of Notaries Subscribed and sworn before me this

Notary Public

My Commission Expires

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

> RECEIVED Office of Oil and Gas

> > JUL 12 2024

WV Department of Environmental Protection WW-6A (9-13)

### 4703306039

API NO. 47- 033	
OPERATOR WE	ELL NO. 202
Well Pad Name:	Laura Goff Davis

## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application. Date of Notice: 07/08/2024 Date Permit Application Filed: 07/08/2024 Notice of: PERMIT FOR ANY ☐ CERTIFICATE OF APPROVAL FOR THE WELL WORK CONSTRUCTION OF AN IMPOUNDMENT OR PIT Delivery method pursuant to West Virginia Code § 22-6A-10(b) ☐ PERSONAL REGISTERED ☑ METHOD OF DELIVERY THAT REQUIRES A **SERVICE** MAIL RECEIPT OR SIGNATURE CONFIRMATION Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule. RECEIVED ☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice ☑ Well Plat Notice is hereby provided to: Office of Oil and Gas SURFACE OWNER(s)
Name: Laura Goff Davis, et al COAL OWNER OR LESSEE \_\_ JUL 1 2 2024 Name: Laura Goff Davis, et al Address: PO Box 707 Address: PO Box 707 Clarksburg, WV 26302 Clarksburg, WV 26302 W Department of Environmental Protection Name: □ COAL OPERATOR Address: Name: Address: ☑ SURFACE OWNER(s) (Road and/or Other Disturbance) Name: Blackstar Trading Company LLC ☑ SURFACE OWNER OF WATER WELL Address: 716 Armory Rd AND/OR WATER PURVEYOR(s) Clarksburg, WV 26302 Name: Laura Goff Davis, et al Name: Monongahela Power Company / Address: PO Box 707 Address: 800 Cabin Hill Dr Clarksburg, WV 26302 Greensburg PA 15601 ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD ☐ SURFACE OWNER(s) (Impoundments or Pits) Name: Name: Address: Address: \*Please attach additional forms if necessary

4703306039

## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice:7/10/2 Notice of:	024 Date Permit Applica	ntion Filed: 7/10/2024
PERSONAL SERVICE	☐ REGISTERED MAIL	■ METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION
Address:		Address: 624 Riverside Dr Annapolis MD 21403-3828  ADDITIONAL COAL OWNER OR LESSEE
44		Address: DO Day ((505
		ADDITIONAL MINERAL OWNER(s)  Name: Goff Energy LLC  Address: 624 Riverside Dr  Annapolis MD 21403-3828  *please attach additional forms if necessary
		ADDITIONAL MINERAL OWNER(s)  Name: Waldomore Interests LLC  Address: PO Box 66505  Houston TX 77266-6505  *please attach additional forms if necessary
		X ADDITIONAL MINERAL OWNER(s) Name: Zero Hollow LLC ✓ Address: 1935 Davisson Run Rd Clarksburg WV 26301-7648 *please attach additional forms if necessary

RECEIVED
Office of Oil and Gas

JUL 1 2 2024

WV Department of Protection

WW-6A (8-13) 4703306039

OPERATOR WELL NO. 202

Well Pad Name: Laura Goff Davis

#### Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

#### This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments. Which is of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner land and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyors right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <a href="https://www.gov/oil-and-gas/pages/default.aspx">www.dep.wv.gov/oil-and-gas/pages/default.aspx</a>.

#### **Well Location Restrictions**

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

WW-6A (8-13) 47 0 5 0 6 0 3 9 API NO. 47-033

OPERATOR WELL NO. 202

Well Pad Name: Laura Goff Davis

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

#### Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

#### Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

## Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

#### Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file Comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57<sup>th</sup> St. SE
Charleston, WV 25304
(304) 926-0450

JUL 1 2 2024

WV Department of Environmental Protection

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. **NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.** 

WW-6A (8-13) 4703306039

API NO. 47- 033

OPERATOR WELL NO. 202

Well Pad Name: Laura Goff Davis

### Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have **THIRTY (30) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

#### **Comment Requirements**

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site <a href="http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx">http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx</a> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

#### Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

RECEIVED
Office of Oil and Gas

JUL 12 2024

WV Department of Environmental Protection WW-6A (8-13)

## API No. 77-033 3 0 6 0 3 9 OPERATOR WELL NO. 202

OPERATOR WELL NO. 202
Well Pad Name: Laura Goff Davis

Notice is hereby given by:

Well Operator: Arsenal Resources
Telephone: 724-940-1100

Email: dboyer@arsenalresources.com

Address: 6031 Wallace Rd Ext Suite 101

Wexford PA 15090

Facsimile:

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at <a href="mailto:depprivacyofficer@wv.gov">depprivacyofficer@wv.gov</a>.

Commonwealth of Pennsylvania - Notary Seal Annmarie O'Connor, Notary Public Allegheny County My commission expires March 17, 2026 Commission number 1013834

Member, Pennsylvania Association of Notaries

Subscribed and sworn before me this lot day of Uly 202!

Notary Public

My Commission Expires 3/17/202

RECEIVED
Office of Oil and Gas

JUL 1 2 2024

WV Department of Environmental Protection

Operator	Well	No.	494519412	
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## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time R entry	equirement:	Notice shall be provi	ded at least S	SEVEN (7) da	rys but no more than	n FORTY-FIVE (45) days prior to		
Date of Notice:	10/30/2023	Date of Plan	ned Entry: _1	11/6/2023				
Delivery metho	od pursuant	to West Virginia Co	de § 22-6A-1	l0a				
☐ PERSONA	AL 🗆	REGISTERED	■ METI	HOD OF DEI	LIVERY THAT RE	EQUIRES A		
SERVICE		MAIL			NATURE CONFIR			
on to the surface but no more that beneath such tra owner of miner and Sediment C Secretary, whice	e tract to cond in forty-five d act that has fil als underlying Control Manua h statement slace owner to co	duct any plat surveys ays prior to such entred a declaration pursed such tract in the could and the statutes and tall include contact in the could all include contact in the could be a copies from the	required purs y to: (1) The uant to section to tax recorn rules related aformation, in	suant to this a surface owne on thirty-six, a ds. The notic I to oil and ga	rticle. Such notice set of such tract; (2) the strick six, chapter to be shall include a state sexploration and positions.	shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any attement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to		
		0:						
SURFACE				COAL OWNER OR LESSEE				
Name: Laura Goff Davis, et al				Name: Lat	ura Goff Davis, et al			
Address: PO Box 707			Address:	PO Box 707	RECEIVED			
Clarksburg, WV 26302			Clarksburg, W	W 26301	Office of Oil and Gas			
Name: Blackstar T		LC		_				
Address: 716 Armory Rd				■ MINI	ERAL OWNER(s)	JUL 1 2 2024		
Clarksburg, WV 26302				Name: Lau	ura Goff Davis, et al	301 2		
Name: Monongahela Power Company			Address:		W Department of			
Address: 800 Cal	bin Hill Dr			Clarksburg, WV 26301  *nlease attach additional forms if necessary  *nlease attach additional forms if necessary				
Greensburg PA 1560	1			The second secon	ch additional forms if ne	cessary		
a plat survey on State: VECOUNTY: HEDISTRICT: COUNTY:	st Virginia Co the tract of la Vest Virginia Harrison	ode § 22-6A-10(a), no and as follows:		Approx. Latit Public Road A Watershed:	rude & Longitude: Access:	operator is planning entry to conduct 39.263552, 80.365497 Armory Road West Fork River		
Quadrangle: _c	Clarksburg		and the second second	Generally use	ed farm name:	Goff		
may be obtained Charleston, WV	d from the Sec 25304 (304-	cretary, at the WV De	epartment of log of such documents	Environmenta nents or addit	al Protection headquional information re	il and gas exploration and production parters, located at 601 57th Street, SE, elated to horizontal drilling may be		
Notice is here	by given by	:						
Well Operator:	Arsenal Resourc			Address:	6031 Wallace Rd Ext Su	uite 101		
Telephone:	724-940-1100				Wexford PA 15090			
Email:	dboyer@arsenalr	PACOLIFCAS COM		Facsimile:	. 10000 A 10000			
	aboyer@arsenair	esources.com		i acommic.				

#### Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at <a href="mailto:depprivacyofficer@wv.gov">depprivacyofficer@wv.gov</a>.

## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

	ement: Notice shall be prov	vided at least SEVEN (7) days but no more than FORTY-FIVE (45) d	ays prior to
entry  Date of Notice: 10/30/2	Date of Plan	nned Entry: 11/6/2023	
Delivery method pur	rsuant to West Virginia C		
Denvery method pur	suant to west virginia C	ode § 22-0A-10a	
☐ PERSONAL	☐ REGISTERED	■ METHOD OF DELIVERY THAT REQUIRES A	
SERVICE	MAIL	RECEIPT OR SIGNATURE CONFIRMATION	
☐ ADDITIONAL S	URFACE OWNER(s)	X ADDITIONAL COAL OWNER OR LESSEE	
Name:		Name: Goff Energy LLC	
Address:			
Name:		Annapolis MD 21403-3828	
Address:		ADDITIONAL COAL OWNER OR LESSEE	
Name:		Name: Waldomore Interests LLC	
Address:		Address. PO Box 66303	
		Houston TX 77266-6505	
		ADDITIONAL COAL OWNER OR LESSEE	
		Name: Zero Hollow LLC	
		Address: 1935 Davisson Run Rd	
		Clarksburg WV 26301-7648	
		■ ADDITIONAL MINERAL OWNER(s)	
		Name: Goff Energy LLC	
		Address: 624 Riverside Dr	RECEIVED
			of Oil and Gas
		*please attach additional forms if necessary	*** * @ 202/
			UL 12 2024
		☒ ADDITIONAL MINERAL OWNER(s)	2
		Name: Waldomore Interests LLC W	V Department of
		TO BOIL OUD OF	onmental Protection
		Houston TX 77266-6505	
		*please attach additional forms if necessary	
		☒ ADDITIONAL MINERAL OWNER(s)	
		Name: Zero Hollow LLC	
		Address: 1935 Davisson Run Rd	
		Clarksburg WV 26301-7648	
		*please attach additional forms if necessary	

WW-6A5 (1/12)

Operator Well No. 20	2
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## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

Notice Date of	Time Requirement: not of Notice: 07/10/2024	tice shall be provided  Date Permit	no later than the filing Application Filed: 07	date of permit	application.	RECEIVED Office of Oil and Gas
Delive	ry method pursuant to	West Virginia Code	§ 22-6A-16(c)			JUL 12 2024
	CERTIFIED MAIL RETURN RECEIPT REC	QUESTED	HAND DELIVERY			WV Department of Environmental Protection
return in the plan required drilling damage	receipt requested or hand unned operation. The no ed to be provided by subset g of a horizontal well; ar es to the surface affected to notices required by this	delivery, give the su tice required by this ection (b), section ten id (3) A proposed so by oil and gas opera	orface owner whose land subsection shall include the subsection shall include to a surplant of this article to a surplant compensations to the extent the details.	d will be used for ide: (1) A copy face owner whos sation agreement amages are com	or the drilling of of this code so se land will be at containing a pensable under	rator shall, by certified mail of a horizontal well notice of section; (2) The information used in conjunction with the n offer of compensation for article six-b of this chapter. ords of the sheriff at the time
	is hereby provided to the					
	address listed in the recor	ds of the sheriff at the	,		100000	
	Laura Goff Davis, et al			Blackstar Trading Con	npany LLC	Monongahela Power Company
	Address: PO Box 707 Clarksburg, WV 26302			S: 716 Armory Rd urg, WV 26302		800 Cabin Hill Dr Greensburg PA 15601
Pursuar operation State: County District	t: Clark	§ 22-6A-16(c), notices land for the purpos	e of drilling a horizont  UTM NAD Public Road	Easting: Northing: Access:	well operator h ct of land as fo 554746.04 4346221.35 Armory Road	as developed a planned llows:
Quadra			Generally us	ed farm name:	Laura Goff Davis	
Pursuar to be p horizon surface informa headqua	otice Shall Include: nt to West Virginia Code provided by W. Va. Coo ntal well; and (3) A propo- te affected by oil and gas	de § 22-6A-10(b) to osed surface use and operations to the ex all drilling may be of	a surface owner whos compensation agreement tent the damages are co- tained from the Secre	e land will be unt containing an ompensable und tary, at the WV	sed in conjunt offer of comp er article six-b Department of	2) The information required ction with the drilling of a pensation for damages to the of this chapter. Additional of Environmental Protection www.dep.wv.gov/oil-and-
Well O	perator: Arsenal Resources		Address:	6031 Wallace Road	Extension, Suite 300	)
Telepho	one: 724-940-1100			Wexford, PA 15090		
Email:	dboyer@arsenalreso	urces.com	Facsimile:	enganismos (1,17)		
	-	100 may 100 100 mg/s		2 <del></del>		A STATE OF THE STA

#### Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at <a href="mailto:deprivacyofficer@wv.gov">deprivacyofficer@wv.gov</a>.

FRACTURING ADDITIVES					
	PURPOSE	TRADE NAME	CAS#		
Additive #1:	Friction Reducer	WFRA-405	Proprietary		
Additive #2:	Scale Inhibitor	SI-1000	7440-21-3		
Additive #3:	Biocide	BIOCLEAR 2000	25314-61-8		
Additive #4:	Gelling Agent	LGC-15	9000-30-0		
Additive #5:	Corrosion Inhibitor	AI-300	111-76-2		
Additive #6:	Gel Breaker	AP-One	7727-54-0		
Additive #7:	Acid	HCI - 7.5%	7647-01-0		

RECEIVED
Office of Oil and Gas

JUL 12 2024

WV Department of Environmental Protection



## WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

**Division of Highways** 

1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505 **Deputy Secretary of Transportation** 

Jimmy Wriston, P. E. Secretary of Transportation Commissioner of Highways

November 17, 2023

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

Subject: DOH Permit for the Laura Goff Davis Pad, Harrison County

Laura Goff Davis 202 Well Site

Dear Mr. Martin,

Alanna J. Keller, P.E.

**Deputy Commissioner of Highways** 

This well site will be accessed from a DOH permit #04-2023-0600 which has been issued to Arsenal Resources, LLC for access to the State Road for a well site located off Harrison County Route 19/57 SLS MP 0.97.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a DISTRICT WIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated March 6, 2023. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Gary K. Clayton, P.E.

Jary K. Clayton

Regional Operations Engineer Central Office O&G Coordinator

Cc: Ross Schweitzer

Arsenal Resources, LLC

OM, D-4

File

#### PROJECT INFORMATION

SURFACE OWNERS LAURA GOFF DAVIS TM 326 PAR 37 HARRISON COUNTY WY TOTAL PROPERTY AREA: 161.22 ACRES DISTURBANCE AREA: 15,39 ACRES

BLACKSTAR TRADING COMPANYING TM 325 PAR 37,2 HARVESON COUNTY, WY

TOTAL PROPERTY AREA: 427 ACRES DISTURBANCE AREA: USZ ACRES

MONONGAHELA POWER COMPANY TM 328 PAR 37.11 CLARKSEURG CORPORATION DIRTRICT HARRISON COUNTY, WV TOTAL PROPERTY AREA: 0.224 ACRES DISTURBANCE AREA 0.24 ACRES

SITE LOCATION

THE LIST WELL PAD IS LIGCATED ON THE NORTH SIDE OF THE WEST FORK RIVER, WEST OF HARRISON COUNTY ROUTE 1957 AND HAVING AN ENTRANCE OFF COUNTY ROUTE 1957 THAT IS APPROXIMATELY 0.9 MILES SOUTH OF THE INTERSECTION OF U.S. ROUTE 10.

LOCATION COORDINATES

WELL PAD ACCESS ROAD #1 LATITUDE: 39.250597 LONGITUDE: -80.246398 (NAD 83)

WELL PAD ACCESS ROAD #2 LA HTUDE: 39.284926 LONGITUDE: -80.353563 (NAD 63)

CENTER OF WELL PAD LATITUDE 39,263610 LONGITUDE -69,366413 (NAD 83)

CENTER OF AST LATITUDE: 39.201545 LONGITUDE: -60.385086 (NAD 83)

AST ACCESS BOAD LATITUDE 39,262727 LONGITUDE -80,363211 (NAD 83)

STOCKPILE #Z ACCESS FIOAD LATITUDE: 39:261315 LONGITUDE: -80:365667 (NAD 83)

SITE DISTURBANCE COMPUTATIONS
WELL PAD AREA

\* 5.54 1 ACRES ACCESS ROADS
ABT AREA
BURIED ELECTRIC RELOCATION
EXCESSITOPSON, STOCKPR, REAS # 0.24 A ACRES

A STORAGE AREAS TOTAL SITE DISTURBANCE TREE CLEARING AREA # 4.15 ± ACRES

ENTRANCE PERMIT
ARBINAL NEGOTICES WILL OSTAN ENCROACHMENT PERMITS (FORM MIN-109) FROM THE IVEST MERCHA
OPPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS, PRIOR TO COMMENCEMENT OF CONSTRUCTION
ACTUATIES.

MISS UTILITY STATEMENT MISS UTILITY OF WEST VIRGING MOTHED FOR THE LOCATING OF UTILITIES PRIOR TO THIS PROJECT DESIGN. TICKET I'M 222449213, 22715937, AND 237259336.
IN ADDITION MISS UTILITY WILL BE CONTACTED PRIOR TO START OF THE PROJECT.

FI. CODPLAIN NOTE
THE PROPOSED LIMITS OF DISTURBANCE FOR THIS PROJECT IS NOT LOCATED WITHIN DELIREATED FLOOD
NAZARD ZONE PER PLOCO INSURANCE RATE MAP NUMBER 64336074130 DATED CCTORER 2, 2412. GEOTECHNICAL NOTE

A SUBSURFACE INVESTIGATION WAS NOT PERFORMED DURING THE INITIAL DESIGN. A SUBSURFACE INVESTIGATION VALL BIS PERFORMED AT A LATER DATE. ENVIRONMENTAL NOTE

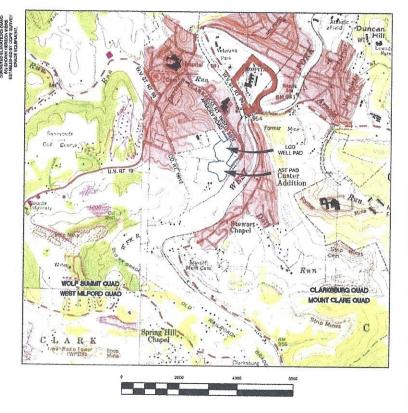
A WITLANDSTRUM DELINEATION WAS PERFORMED ON GRAG-222 AND 16-12-223 BT ALISTAN ECOLOGY TO ROUND THEORY PERFORMANCE AND WELLAGED THAT ARE MOST LIKELY WITHIN THE REQULATORY PERFORMANCE OF THE LLA SAME CORPS OF ROUNDARD (LABOR SOUTHWASTERN AND MET LAND WAS PERFORMED A JARROGETTORAL DESERVANTION OF THE LANDWARD LINES OF WATERS AND WELLAGED WHICH MAY BE RECOLATED TO THE WASCE. IT IS SHOWN YELCOMORDO THAT THE WASCE TO CONSTRUCT WAS A WATER TO CAN WRITTEN COMPINATION OF THE DEBERTION DESCRIPTOR TO THE MADE TO THE WASCE. IT IS SHOWN YELCOMORDO THAT THE WASCE OF CONSTRUCTION OF THE PROPRIET OF THE DEBERTION DESCRIPTOR OF THE WASCE RESTRICTIONS NOTES:

- THERE IS ONE (1) WITLAND WITHH 107 OF THE VIELL PAD LOD, WAVER TO BE OBTAINED.
  THERE REE TWO C2) EPHEMERAL STREAM MEASTS WITHEN THE TOTAL SITE LOD.
  THERE IS ONE (1) INTERMENT STREAM MEAST WITHHIN THE TOTAL SITE LOD.
  THERE IS ONE (1) PRESENTING STREAM MEAST WITHIN THE OTHER WILL PAD LOD.
  THERE ARE ONE OWN THREAT STREAM MEAST WITHIN 107 SECT OF THE WILL PAD LOD.
  THERE ARE NO THAT WATHLY PRODUCED THOU THOU THE WITHIN 107 OF THE WILL PAD LOD.
  THERE ARE NO OR ORGANOWATER PLANE OR PUBLIC WATER SUPPLY FAGEITIES WITHIN 1002 PEET OF THE
- THERE ARE NO APPARENT EXISTING WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF THE
- WELLIS) DEMO IMPLIED. THERE ARE NO DWELLINGS WITHIN 626 FEET OF THE CENTER OF THE WELL PAD. THERE ARE NO AGRICULTURAL BUILDINGS LAGGER THAN 2,500 SQUARE FEET WITHIN 626 FEET OF THE CENTER OF THE WELL PAD.

### LGD WELL PAD FINAL SITE PLAN ARSENAL RESOURCES

PROPOSED WELL NO.'S 201, 202, 203, & 204

SITUATE ON THE WATERS OF WEST FORK RIVER IN CLARK DISTRICT, HARRISON COUNTY, WEST VIRGINIA.



State Prime thad by to	AND PERSONAL PROPERTY.	OTM (factor) Metets (fa)	O MA (flad & t) Meters (\$)	salduate (20a46-2)	Lut. 10 and a Care Street	Para services
	\$72,944) 5s	4846115.69	55473552	\$974.15.5.2	91 7a5 197	1637 15
27427211	172 9401 04	4349/1117	5547 (2.4)			
27529712	172 2451 52	4146776 45	67.45.00 NA			100.44
27974247	17/3 Ma (1)	484670176	MANUAY	39461412	60 245A44	103735
	27928896 27427934 27938737	279,2876 17,244156 274,2723 17,301304 273,4773 17,33142	273,28576 17,2840.58 44,64115.69 274,773.4 17,2801.94 4846,711.59 273,973.11 177,283.52 2146,76.55			17.55   17.44   5

RUCTED TO AID IN THE DEVELOPMENT OF INDIVIDUAL

#### LIST OF DRAWINGS

1 COVER SHEET

2-4 NOTES S UTILITY SHEET

6 DVERALL SITE PLAN

7 WELL PAD, STOCKPILE #1, & WELL PAD ACCESS ROAD #2

6 WELL PAD ACCESS ROAD #1 & STOCKPLE #2

9 WELL PAD ACCESS ROAD #2 AND BURIED ELECTRIC RELOCATION 1911 VIELL PAD ACCESS ROAD #1 PROFILE

12AST ACCESS HOAD PROFILE

13-14 WELL PAD ACCESS ROAD#1 SECTIONS

16WELL PAD ACCESS ROAD 82 SECTIONS

16 STOCKPILE #2 ACCESS ROAD PROFILE AND SECTIONS

17 AST PAD ACCESS ROAD SECTIONS

LEGEND

15-19 CHEVERT & TRENCH DRAIN DETAILS

2021 WELL PAD PROFILES

22-75 STOCKPILES PROFILES

24 AST PAD PRODUCT

EXISTING

ENCELINE

OWER POLE

UILDING

OPERATOR

25/28 MECLANATION PLAN 2743 CONSTRUCTION DETAILS

PROPOSED



A-SUCTION PROPOSED GRADE SECTION EXISTING CRAIN



**ENGINEER/SURVEYOR** ARSENAL RESOURCES 6031 WALLACE ROAD EXT. SUITE 101 WEXFORD, PA 15000 PHONE (724) 940-1137

SLS LAND & ENERGY DEVELOPMEN

LGD WELL PAD FINAL STE PLAN CLARK DISTRICT

4

DATE 11-05-2023

SCALE: AB SHOWN DESKNED BY: C.P.M.

3423

Ky Willet 11/8/23

#### PROTECT INFORMATION

LAURA GOFF DAVIS

TM 326 PAR 37

HARRISON COUNTY, WV

TOTAL PROPERTY AREA, 161.22 ACRES DISTURBANCE AREA: 15.36 ACRES

BLACKSTAR TRADING COMPANY LLC

TM 326 PAR 37.2 CLARK DISTRICT

HARRISON COUNTY, WV

TOTAL PROPERTY AREA 4.27 ACRES

DISTURBANCE AREA, 1 97 ACRES

#### MONONGAHELA POWER COMPANY

TM 326 PAR 37.11

CLARKSBURG CORPORATION DISTRICT HARRISON COUNTY, WV

TOTAL PROPERTY AREA 5.224 ACRES DISTURBANCE AREA 0.24 ACRES

#### SITE LOCATION

THE LGD WELL PAD IS LOCATED ON THE NORTH SIDE OF THE WEST FORK RIVER, WEST OF HARRISON COUNTY ROUTE 19:57 AND HAVING AN ENTRANCE OFF COUNTY ROUTE 19:57 THAT IS APPROXIMATELY 0.9 MILES SOUTH OF THE INTERSECTION OF U.S. ROUTE 19.

#### LOCATION COORDINATES

WELL PAD ACCESS ROAD (1 LATITUDE: 39.260597 LONGITUDE: -80.365395 NAD 83

WELL PAD ACCESS ROAD (2 LATITUDE: 39.264926 LONGITUDE: -80.363563 (NAD 83.)

CENTER OF WELL PAD LATITUDE: 39.263610 LONGITUDE: -80.365413 :NAD 830

CENTER OF AST LATITUDE: 39.261545 LONGITUDE: -80.365086 NAD 83

AST ACCESS ROAD LATITUDE 39:262727 LONGITUDE: -80:363211 (NAD 83)

STOCKPILE 12 ACCESS ROAD LATITUDE: 39.261315 LONGITUDE: -80.365687 INAD 83

SITE DISTURBANCE COMPUTATIONS
WELL PAD AREA = 8.54 ± ACRES ACCESS ROADS AST AREA BURIED ELECTRIC RELOCATION EXCESS TOPSOIL STOCKPILE AREAS

TREE CLEARING AREA = 4.15 ± ACRES

ENTRANCE PERMIT
ARSINIA, RESOURCES WILL OSTAIN ENCROACHMENT PERMITS (FORM MM-109: FROM THE WEST VIRGINA
DEPARTMENT) OF TRANSPORTATION DIVISION OF HIGHWAYS, PRIOR TO COMMENCEMENT OF CONSTRUCTION

MISS UTILITY STATEMENT
MISS UTILITY OF WEST VIRGINIA WAS NOTIFIED FOR THE LOCATING OF UTILITIES PRIOR TO THIS PROJECT DESIGNLITICKET IIS 2324143913, 2327158870, AND 2327259538
IN ADDITION, MISS UTILITY WILL BE CONTACTED PRIOR TO START OF THE PROLECT

#### FLOODPLAIN NOTE THE PROPOSED LIMITS OF DISTURBANCE FOR THIS PROJECT IS NOT LOCATED WITHIN DELINEATED FLOOD.

HALTARD FONE PER FLOOD INSURANCE RATE MAP NUMBER 54033C0163D DATED OCTOBER 2, 2012 GEOTECHNICAL NOTE

A SUBSURFACE INVESTIGATION WAS NOT PERFORMED DURING THE INITIAL DESIGN. A SUBSURFACE INVESTIGATION WILL BE PERFORMED AT A LATER DATE.

#### ENVIRONMENTAL NOTE

A WEILAND STREAM DELINEATION WAS PERFORMED ON 09-06-2023 AND 10-12-2023 BY ALLSTAR ECOLOGY TO REVIEW THE SITE FOR WAITERS AND WEILANDS THAT ARE MOST LIKEY WITHIN THE REGULATORY PURVIEW OF THE U.S. ARMY CORPS OF ENDINEERS (USACE). THE U.S. ARMY CORPS OF THE U.S. ARMY REPRESENT LIMISDOCTIONAL DETERMINATION OF THE LANDWARD LIMITS OF WAITERS AND WEILANDS WHICH MAY BE REGULATED BY THE USACE. IT IS STRONGLY RECOMMENDED THAT THE USAGE ECOSIST, LED IN A DEFORM TO GO AND WAITER OF THE USACE. IT IS STRONGLY RECOMMENDED THAT THE USAGE ECOSIST, LED IN A DEFORM TO GO AND WAITER OF THE USACE. IT IS STRONGLY RECOMMENDED THAT THE USAGE ECOSIST LED IN A DEFORM TO GO AND WAITER OF THE USACE. IT IS STRONGLY RECOMMENDED THAT THE USAGE OF THE OFFICE AND ADDITIONAL THAT WAS AND AND ADDITIONAL THAT WAS AND ADD

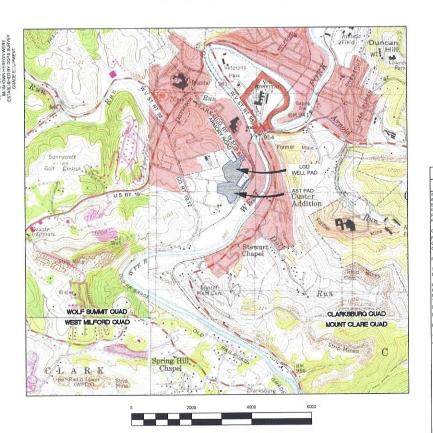
#### RESTRICTIONS NOTES:

- THERE IS YOUR IT WETLAND WITHIN DOLD THE WELL PAD LOD. WHIVER TO BE OBTAINED. THERE ARE TWO ZEROWERS AND ZEROWERS. THERE MANDETS WITHIN THE TOTAL STELL OD. THERE IS ONE IT INTERMIT STREAM IMPACT WITHIN THE TOTAL STELL OD. THERE IS ONE TO THE WHITH AND THE TOTAL STELL OF THE WELL PAD LOD. THERE IS ONE TO THE WELL PAD LOD. THERE ARE NO NATURALLY PRODUCING TROUT STREAMS WITHIN 300 FEET OF THE WELL PAD AND LOD. THERE ARE NO DONCOMMENTER INTERE OF PUR PROPERTY SUPPLY THE WITHIN TOO TEET OF THE
- THERE ARE NO APPARENT EXISTING WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF THE
- CHELLIS.BEING ORILLED
  THERE ARE NO OWELLINGS WITHIN \$25 FEET OF THE CENTER OF THE WELL PAD
  THERE ARE NO AGRICULT UPRAL BUILDINGS LARGER THAN 2.500 SILIARE FEET WITHIN \$25 FEET OF THE
  CENTER OF THE WELL PAD.

### LGD ☐ ELL PAD FINAL SITE PLAN ARSENAL RESOURCES

PROPOSED | ELL NO.'S 201 202 203 204

SITUATE ON THE WATERS OF WEST FORK RIVER IN CLARK DISTRICT, HARRISON COUNTY, WEST VIRGINIA.



ell Number	State Plane (Nad 83) N	State Plane (Nad 83) E	UTM (Nsd 83) Meters (N)	UTM (Nad 83) Meters (E)	Latitude (Nad 83)	Longitude (Nad 83)	Proposed Elevation
201	279286.90	1723446.56	4346215.60	55.4738.50	39.263552	80.365497	1007.35'
202	279272.11	1723451.04	4346211.19	554739 41	39.263511	83.365487	1007.35
203	279257.32	1723453.52	4346206.69	55 4740 24	39.263471	80.365478	1007.35
203	279242.52	1723456.00	4346202.20	554741.07	29.263430	80.365469	1007.35'

STRUCTED TO AID IN THE DEVELOPMENT OF INDIVIDUAL

#### LIST OF DRAWINGS

- 1 COVER SHEET
- 2-4 NOTES 5 UTILITY SHEET
- 6 OVERALL SITE PLAN
- 7 WELL PAD, STOCKPILE (1), (1) WELL PAD ACCESS ROAD (2) 8 WELL PAD ACCESS ROAD OF U STOCKPILE 12
- 9 WELL PAD ACCESS ROAD 12 AND BURIED ELECTRIC RELOCATION
- 10-11 WELL PAD ACCESS ROAD (1) PROFILE
- 12 AST ACCESS ROAD PROFILE
- 13 -14 WELL PAD ACCESS ROAD IT SECTIONS
- 15 WELL PAD ACCESS ROAD 2 SECTIONS
- 16 STOCKPILE 2 ACCESS ROAD PROFILE AND SECTIONS
- 17 AST PAD ACCESS ROAD SECTIONS
- 18-19 CULVERT | TRENCH DRAIN DETAILS
- 20-21 WELL PAD PROFILES
- 22-23 STOCKPILES PROFILES 24 AST PAD PROFILES

27:33 CONSTRUCTION DETAILS

<u>LI</u>	EGEND	The same
EXISTING	PROPOSED	
DEX CONTOUR TERMEDIATE CONTOUR OUNDARY LINER OAD EDGE OF GRAVELIBIRT OAD EDGE OF PAVEMENT OAD CENTERLINE	INDEX CONTOUR INTERMEDIATE CONTOUR CUT FILL CUTSILL UNE LIMITS OF DISTURBANCE LIMITS OF DISTURBANCE	
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ENCELINE # ### ATE ### VERHEAD ELECTRIC #### ###############################	SUMP DRAIN CONTAINMENT BERM	M design a
OWER POLE Ø	4" PVC TOE KEY DRAIN I OUTLET PROTECTION RIP-RAP DITCH	Baran
ELEPHONE LINE ASLINE	ROAD EDGE OF GRAVEL ROAD CENTERLINE	PARONAL PROPERTY.
ATERLINE VATER METER AS WELL	PAD UNDERDRAIN  DITCH RELIEF CULVERT IDRCII	PREPAREI LAND DE DEVELO
REELINE ELINEATED STREAM	RIP-RAP OUTLET PROTECTION	FOR: AR
ELINEATED STRCAM ELINEATED WETLAND	12' COMPOST FILTER SOCK —CS-12— 18' COMPOST FILTER SOCK —CS-18—	RESOL
UILDING	24" COMPOST FILTER SOCK 18" TRIPLE STACK COMPOST FILTER SOCK CS-ST	_
00 WETLAND STREAM BUFFER	ORANGE SAFETY FENCE	
LLSTAR AREA OF INTEREST	PROFILE LINE PROFILE 1	A 0150
	X-SECTION GRID INDEX	SHEET SHEET
	X-SECTION PROPOSED GRADE  X-SECTION EXISTING GRADE	WEL
	SUBGRADE ELEVATION 1000 00 SUBGRADE SLOPE FINISH GRADE ELEVATION 1001 00	COVER GD WE
	BLIND DITCH	=   =
	BIN BLOCKS -	
	GUARD RAIL	-
		DATE 11-0

OPERATOR ENGINEER SURVEYOR

ARSENAL RESOURCES 6031 WALLACE ROAD EXT SUITE 101 WEXFORD, PA 15090 PHONE: 724\_940-113

SUS LAND IT ENERGY DEVELOPMENT 12 VANHORN DRIVE P.O. BOX 150 GLENVILLE, WV 26351 PHONE: (304):462-563

4 Z Ш S









FINAL SITE PLAN

TE 11-06-2023

CALE AS SHOWN ESIGNED BY C.P.M 9423 FILENO

SHEET 1 OF 32