



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

Thursday, June 26, 2025
WELL WORK PERMIT
Horizontal 6A / New Drill

ARSENAL RESOURCES LLC
6031 WALLACE RD EXT., SUITE 101

WEXFORD, PA 15090

Re: Permit approval for SLH 213
47-033-06111-00-00

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- 0450.

A handwritten signature in blue ink, appearing to read "James A. Martin", is written over a faint, larger blue outline of the signature.

James A. Martin
Chief

Operator's Well Number: SLH 213
Farm Name: JERRY R NEWBROUGH
U.S. WELL NUMBER: 47-033-06111-00-00
Horizontal 6A New Drill
Date Issued: 06/26/2025

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.

06/27/2025

WW-6B
(04/15)

4703306111
API NO. 47-033
OPERATOR WELL NO. 213
Well Pad Name: SLH

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: 213 Well Pad Name: SLH
- 3) Farm Name/Surface Owner: Newbrough Public Road Access: C.R. 23/9
- 4) Elevation, current ground: 1042' Elevation, proposed post-construction: 1045'
- 5) Well Type (a) Gas ☒ Oil ☐ Underground Storage ☐
Other ☐
(b) If Gas Shallow ☒ Deep ☐
Horizontal ☒
- 6) Existing Pad: Yes or No No
- 7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus Shale, 7,217' (TVD Top) - 7,317' (TVD Bottom), 100 ft, 0.5 psi/ft
- 8) Proposed Total Vertical Depth: 7,305'
- 9) Formation at Total Vertical Depth: Marcellus Shale
- 10) Proposed Total Measured Depth: 7,677'
- 11) Proposed Horizontal Leg Length: 0'
- 12) Approximate Fresh Water Strata Depths: 25', 40', 200', 488'
- 13) Method to Determine Fresh Water Depths: Offsetting well reported water depths (033-02704, 033-03178, 033-05119)
- 14) Approximate Saltwater Depths: 700', 1550'
- 15) Approximate Coal Seam Depths: Bakerstown-272', Brush Creek-352', Upper Freeport-392', Clarion-672'
- 16) Approximate Depth to Possible Void (coal mine, karst, other): None expected
- 17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes ☐ No ☒
- (a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

JP
5-15-2025

06/27/2025

4703306111

WW-6B
(04/15)

API NO. 47- 033

OPERATOR WELL NO. 213

Well Pad Name: SLH

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	94	80	80 ✓	CTS
Fresh Water	13.375	New	J-55	54.5	550	550 ✓	CTS ✓
Coal							
Intermediate	9.625	New	J-55	40	1,500	1,500 ✓	CTS
Production	5.5	New	P-110	23	7,677'	7,677' ✓	TOC @ 1,350
Tubing							
Liners							

Q-H Propost
5-15-2025 ✓

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/L, 3% CaCl ₂	1.2
Fresh Water	13.375	17.5	0.38	2,730	900	Class A/L, 3% CaCl ₂	1.2
Coal							
Intermediate	9.625	12.25	0.395	3,950	1,500	Class A/L, 3% CaCl ₂	1.29
Production	5.5	8.5-8.75	0.415	14,520 ✓	9,500	Class A/L, Poz	1.29/1.34
Tubing							
Liners							

PACKERSRECEIVED
Office of Oil and Gas

MAY 19 2025

WV Department of
Environmental Protection

Kind:				
Sizes:				
Depths Set:				

06/27/2025

4703306111

WW-6B
(10/14)

API NO. 47- 033 -
OPERATOR WELL NO. 213
Well Pad Name: SLH

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 1/2" 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- 1/4" intermediate hole to the programmed depth, run 9- 5/8" casing and cement to surface. The rig will then continue to drill an 8- 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 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 11,500 psi.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 9.59

22) Area to be disturbed for well pad only, less access road (acres): 4.82

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 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 1,450'; there will be no centralizers from 1,450' 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% CaCl₂ (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 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 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.

*9-44 Pursant
5-15-2025*

4703306111

CEMENT ADDITIVES		
	Name	Purpose
Additive #1:	Bentonite	Helping fluid loss, reducing free water
Additive #2:	Calcium Chloride	Accelerator for low temp application
Additive #3:	Celloflake	Loss circulation additive
Additive #4:	Gypsum	Used for thixotropic properties
Additive #5:	Lignosulfonate	Low temp cement retarder
Additive #6:	Naphthalene Based Dispersant	Used to improve rheological properties of cement
Additive #7:	Cellulose	Help with fluid loss

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Office of Oil and Gas
MAY 19 2025
WV Department of
Environmental Protection

06/27/2025



4703306111

People Powered. Asset Strong.

May 15, 2025

West Virginia Department of Environmental Protection
Office of Oil and Gas
ATTN: Taylor Brewer
601 57th Street SE
Charleston, WV 25304

RE: SLH #213 and 214 - Permit Application – New Well Permits

Dear Mr. Brewer,

Enclosed please find the permit applications for the SLH #213 and 214. I have enclosed a USB flash drive containing the E&S Plan, Site Safety Plan, and the MSDS.

These permits are filed with 0 foot lateral with the intention of a future modification increasing the lateral length.

As part of the permit applications for the SLH #213 and 214 laterals, Arsenal Resources is requesting a cement variance.

Arsenal's third-party cement contractors are being switched over to Class L cement and many are unable to secure the required supplies of Class A to meet our operational needs. The modification includes the listing of Class L with Class A Cement allowing for options depending upon our suppliers' product. This requires the modification to Class L based on West Virginia Department of Environmental Protection, Office of Oil and Gas order number 2022-14.

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

Sincerely,

A handwritten signature in black ink that reads 'Emily Glick'.

Emily Glick
Geologist & Permitting Specialist
(c) 724-759-9612
(e) eglick@arsenalresources.com

RECEIVED
Office of Oil and Gas
MAY 19 2025
WV Department of
Environmental Protection

6031 Wallace Road Ext., Suite 200
Wexford, PA 15090
P - 724-940-1100
F - 800-428-0981
www.arsenalresources.com

06/27/2025



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
Phone (304) 926-0450

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

**BEFORE THE OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE OF WEST VIRGINIA**

IN THE MATTER OF A VARIANCE FROM)	
LEGISLATIVE RULE 35CSR4)	ORDER NO. 2022-14
SECTION 11.5 AND LEGISLATIVE RULE)	
35CSR8 SECTION 9.2.h.8.,)	
RELATING TO THE CEMENTING)	
OF OIL AND GAS WELLS)	

REPORT OF THE OFFICE

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well construction.

FINDINGS OF FACT

1. On July 14, 2022, Northeast Natural Energy (NNE) submitted a variance request from Legislative Rule 35CSR8 Section 9.2.h.8., for the use of API Class L cement in place of API Class A cement, relating to the construction of horizontal wells.
2. Laboratory analysis submitted by NNE on July 14, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR4 Section 11.5., for the use of API Class L cement in place of API Class A cement, relating to the construction of vertical wells.

Responsible for the report

06/27/2025

4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

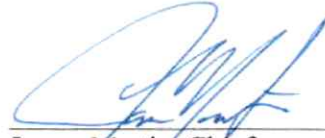
ORDER

It is ordered that the Class L cement product approved and monogrammed by API is approved for use in place of API Class A cement for well construction subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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



James Martin, Chief
Office of Oil and Gas

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MAY 19 2025
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Environmental Protection



Arsenal Resources
SLH #213
Casing Design

Other Names: N/A
Surface Location: LAT 39.217809N x Long 80.222185W
Bottom Hole Location: LAT 39.219214N x Long 80.221814W
Directional Plan Vs. 523'
Total Depth (MD) 7,677

County: Harrison
State: WV
AFE #: xxx API #: 47-033-xxxxx
RKB: 27
Ground Level: 1045'

Logs Significant Formations (TVD) Depth (ft) MD Depth (ft) TVD Hole Size Casing and Cement Mud Directional & Surveys Drig /Csg Point

None	Section 1	80	80	24" 94# H-40 BTC	Vertical
None	Section 2	550	550	17 1/2" (PDC)	Floc Water
Possible CBL after cement job				Cement	Class A/L, 3% CaCl2
				Density/Yield/Volume (sx)	15.6 1.2 703
				TOC	Surface
None	Section 3	1,500	1,500	13 3/8" 54.5# J-55 LTC	Vertical
				12 1/4" (PDC)	Floc Water
				Cement (Lead/Tail)	Class A/L, 3% CaCl2 Class A/L, 3% CaCl2
				Density/Yield/Volume (sx)	14.5 1.19 712
				TOC	Surface
				9 5/8" 40# J-55 LTC	Vertical

Wireline: None
Mudloggers: KOP - TD
KOP @ 6,656

Geo Prognosis

Formation	Depth (Tss)	Top (TVD)	Base (TVD)
Bakerstown Coal	0	0	0
Brush Creek Coal	0	0	0
Upper Freeport Coal	0	0	0
Lower Freeport Coal	0	0	0
Upper Kittanning Coal	0	0	0
Middle Kittanning Coal	0	0	0
Lower Kittanning Coal	0	0	0
Big Lime	0	0	0
Balltown Sandstone	0	0	0
Bradford Sandstone	0	0	0
Benson Sandstone	0	0	0
1st Elk Siltstone	0	0	0
Burkett Shale	0	0	0
Tully Limestone	0	0	0
Mahantango Shale	0	0	0
Marcellus Shale	0	0	0
Purcell Limestone	0	0	0
Lower Marcellus Shale	0	0	0
TARGET	0	0	0
Onondaga Limestone	0	0	0

MD 7,677
TVD 7,305
Azimuth 341

Mud Data	From	To
Floc Water	80	1,500
Floc Water	1,500	7,677
11.5- 12.0 ppg SOBM	7,677	7,677

Bit Data	From	To
17-1/2" & 12 1/4" PDC	80	1,500
8- 3/4" (PDC)	1,500	7,677
8- 1/2" (PDC)	7,677	7,677

Directional Data	
KOP	6,656
Curve	9"/100 ft
Angle	90.0
Azi	341
EOB	MD 7,677
	TVD 7,305

Cement	Production
Lead	Lead: 50-50 Poz/A
	13.8 1.33 TBD
Tail	Tail: Class A
	15 1.3 TBD
TOC	1,350

5 1/2" 23# P-110HP Weld Tube GBCD

Revision 1

Note: Not drawn to scale

Date Last Revised: 5/2025
Ross Schweitzer

Cement Outside Casing
Seal Assembly in Annulus

06/27/2025

WW-9
(4/16)

API Number 47 - 033 -
Operator's Well No. SLH 213

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Arsenal Resources OP Code 494519412

Watershed (HUC 10) West Fork Quadrangle Brownston

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes ☒ No ☐

Will a pit be used? Yes ☐ No ☒

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:

- ☐ Land Application
☐ Underground Injection (UIC Permit Number _____)
☒ Reuse (at API Number Various)
☐ Off Site Disposal (Supply form WW-9 for disposal location)
☐ Other (Explain _____)

Will closed loop system be used? If so, describe: Yes, the closed loop system will contain all of the drilling medium and drill cuttings on location and then be taken to a landfill

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, 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 bicarbonate, defoamer, base oil, emulsifiers, lime, barite

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. landfill ✓

-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, Westmoreland Sanitary Landfill, Apex Landfill ✓

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto 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 **RECEIVED** there are significant penalties for submitting false information, including the possibility of fine or imprisonment. **Office of Oil and Gas**

Company Official Signature Emily Glick

MAY 19 2025

Company Official (Typed Name) Emily Glick

Company Official Title Geologist & Permitting Specialist

WV Department of
Environmental Protection

Subscribed and sworn before me this 15th day of May, 20 25

Annmarie O'Connor

Notary Public

My commission expires 3/17/2026

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

John P. Parnot
5-15-2025

06/27/2025

Form WW-9

Operator's Well No. SLH 213**Arsenal Resources**Proposed Revegetation Treatment: Acres Disturbed 9.59 Prevegetation pH 6.8 averageLime 2.67 Tons/acre or to correct to pH 6.4Fertilizer type 10-20-20Fertilizer amount 1000 lbs/acreMulch 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

Attach:

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: Jay Purpot 5-15-2025Comments: Cover all areas Per procedureRECEIVED
Office of Oil and Gas

MAY 19 2025

WV Department of
Environmental ProtectionTitle: InspectorDate: 5-15-2025

Field Reviewed?

(☒) Yes(☐) No

06/27/2025



ARSENAL
R E S O U R C E S

SITE SAFETY PLAN

SLH Well Pad

911 Address:

*944 Proposal
5-15-2025*

**4795 Brushy Fork Rd
Bridgeport, WV 26330**

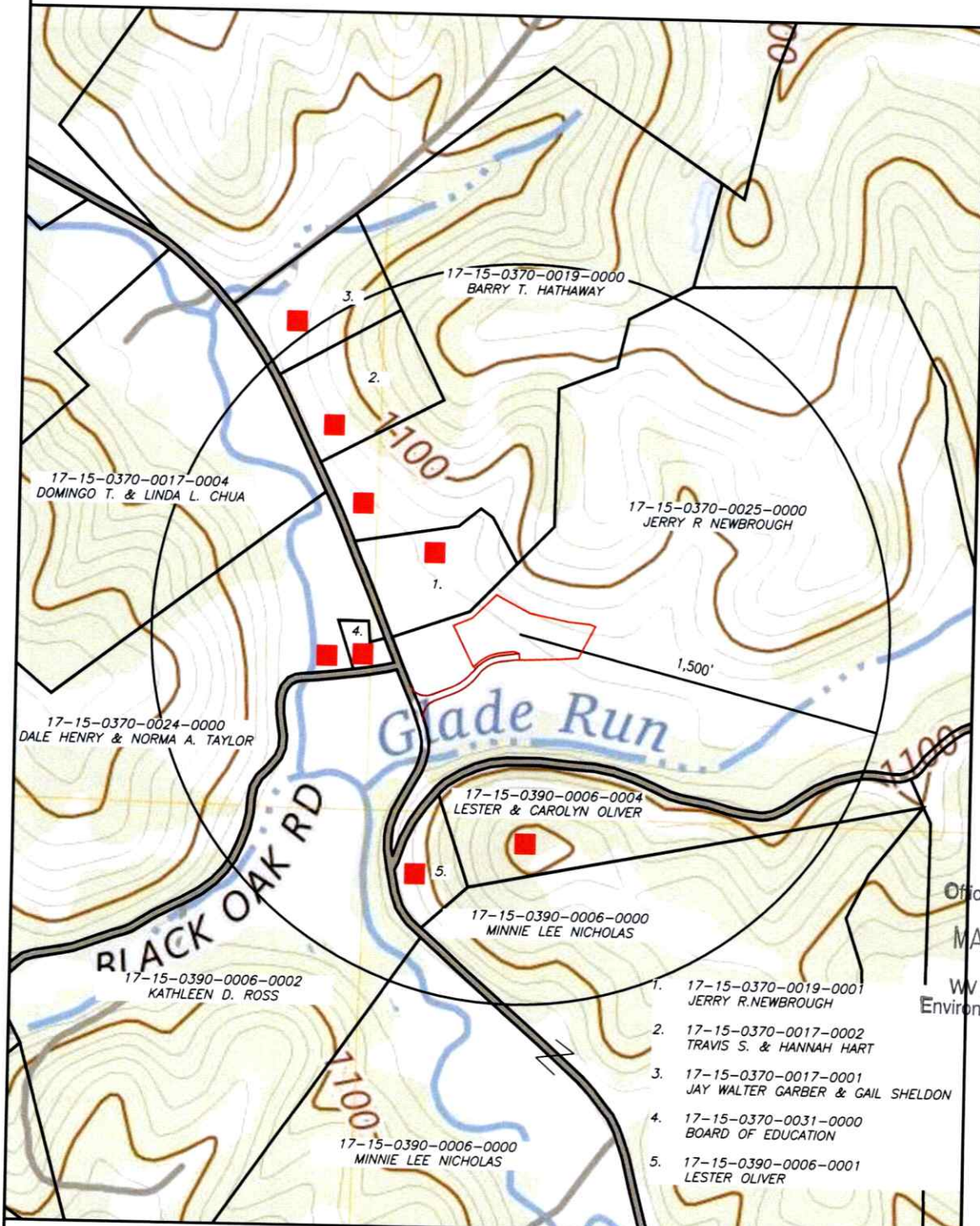
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Office of Oil and Gas

MAY 19 2025

WV Department of
Environmental Protection



ARSENAL RESOURCES S.L.H. WELL PAD AND AST PAD POSSIBLE WATER PURVEYORS WITHIN 1500'



■ = APPARENT RESIDENTS

500' 0 500'
GRAPHIC SCALE IN FEET

ASCENT
Consulting & Engineering
SURVEYOR/ENGINEER
1700 ANMOORE RD.
BRIDGEPORT, WV 26330
1-304-933-3463

TOPO SECTIONS	
BROWNTON 7.5'	
COUNTY	DISTRICT
HARRISON	SIMPSON-OUTSIDE
DRAWN BY	JOB No.
XXX	10-4254

OPERATOR:	
ARSENAL RESOURCES 6031 WALLACE RD. EXT. SUITE 200 WEXFORD, PA 15090	
DATE	SCALE
05-06-2025	1"=500'



RECEIVED
Office of Oil and Gas
MAY 19 2025
WV Department of
Environmental Protection

POSSIBLE WATER PURVEYORS WITHIN 1,500 FEET

Well Pad: S.L.H. Well Pad and AST Pad

District: SIMPSON-OUTSIDE

County: HARRISON

State: WV

17-15-0370-0017-0001 NAME: GARBER JAY WALTER & GAIL SHELDON PHYSICAL ADDRESS: 4541 BRUSHY FORK RD BRIDGEPORT WV 26330 TAX ADDRESS: 4541 BRUSHY FORK RD BRIDGEPORT WV 26330	17-15-0370-0017-0002 NAME: HART TRAVIS S & HANNAH PHYSICAL ADDRESS: 4621 BRUSHY FORK RD, BRIDGEPORT, WV 26330 TAX ADDRESS: 4621 BRUSHY FORK RD, BRIDGEPORT, WV 26330	17-15-0370-0019-0000 NAME: HATHAWAY BARRY T PHYSICAL ADDRESS: ROUTE 23 BRIDGEPORT 26330 TAX ADDRESS: 4683 BRUSHY FORK RD BRIDGEPORT WV 26330
17-15-0370-0019-0001 NAME: NEWBROUGH JERRY R PHYSICAL ADDRESS: 4749 BRUSHY FORK RD BRIDGEPORT WV 26330 TAX ADDRESS: 4749 BRUSHY FORK RD BRIDGEPORT WV 26330	17-15-0370-0031-0000 NAME: BOARD OF EDUCATION PHYSICAL ADDRESS: NOT PROVIDED TAX ADDRESS: PO BOX 1370, CLARKSBURG, WV 26302	17-15-0370-0024-0000 NAME: TAYLOR DALE HENRY & NORMA A PHYSICAL ADDRESS: 32 BLACK OAK HOLLOW RD, BRIDGEPORT, WV 26330 TAX ADDRESS: NOT PROVIDED
17-15-0390-0006-0001 NAME: OLIVER LESTER PHYSICAL ADDRESS: 4995 BRUSHY FORK RD BRIDGEPORT WV 26330 TAX ADDRESS: 4995 BRUSHY FORK RD BRIDGEPORT WV 26330	17-15-0390-0006-0004 NAME: OLIVER LESTER & CAROLYN PHYSICAL ADDRESS: BRIDGEPORT 26330 TAX ADDRESS: NOT PROVIDED	17-15-0370-0025-0000 NAME: NEWBROUGH JERRY R PHYSICAL ADDRESS: RT 23-5 BRIDGEPORT 26330 TAX ADDRESS: 4749 BRUSHY FORK RD, BRIDGEPORT, WV 26330
17-15-0370-0017-0004 NAME: DOMINGO T & LINDA L CHUA PHYSICAL ADDRESS: NOT PROVIDED TAX ADDRESS: 100 SOUTHVIEW DR, ELKINS, WV 26241	17-15-0390-0006-0002 NAME: ROSS KATHLEEN D PHYSICAL ADDRESS: 481 BLACK OAK HOLLOW RD, BRIDGEPORT, WV 26330 TAX ADDRESS: 481 BLACK OAK HOLLOW RD, BRIDGEPORT, WV 26330	17-15-0390-0006-0000 NAME: NICHOLAS MINNIE LEE PHYSICAL ADDRESS: 5239 BRUSHY FORK RD BRIDGEPORT 26330 6838 TAX ADDRESS: 5239 BRUSHY FORK RD BRIDGEPORT 26330 6838

RECEIVED
Office of Oil and Gas

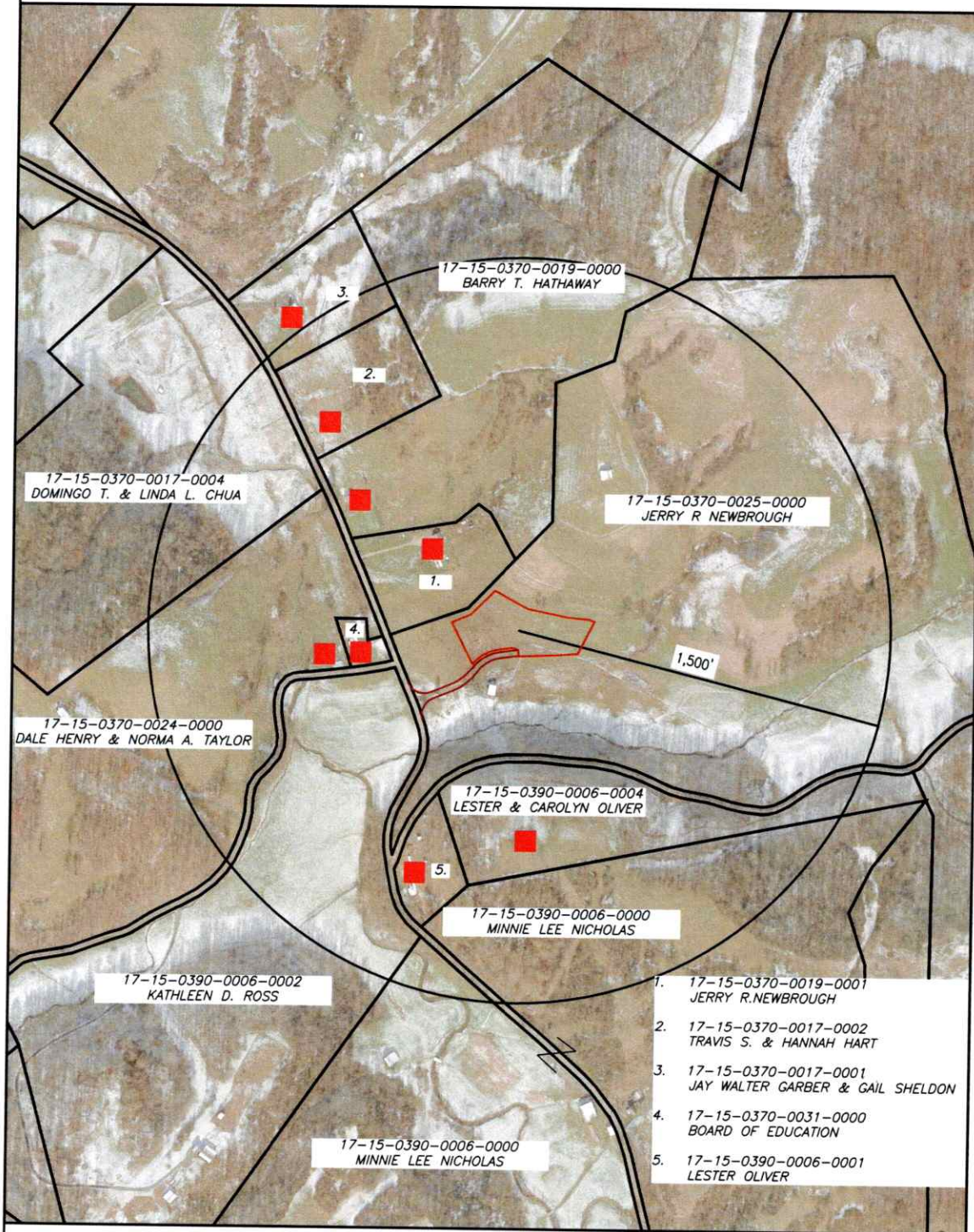
MAY 19 2025

WV Department of
Environmental Protection

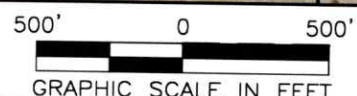
06/27/2025



ARSENAL RESOURCES S.L.H. WELL PAD AND AST PAD POSSIBLE WATER PURVEYORS WITHIN 1500'



■ = APPARENT RESIDENTS



ASCENT
Consulting & Engineering
SURVEYOR/ENGINEER
1700 ANMOORE RD
BRIDGEPORT, WV 26330
1-304-933-3463

2024 AERIAL	
COUNTY	DISTRICT
HARRISON	SIMPSON-OUTSIDE
DRAWN BY	JOB No.
TMF	10-4254

OPERATOR:	
ARSENAL RESOURCES 6031 WALLACE RD. EXT. SUITE 200 WEXFORD, PA 15090	
DATE	SCALE
05-06-2025	1"=500'



06/27/2025



SURVEYOR/ENGINEER:
1-304-933-3463
1700 ANMOORE RD,
BRIDGEPORT, WV 26330

SURFACE HOLE LOCATION (SHL):

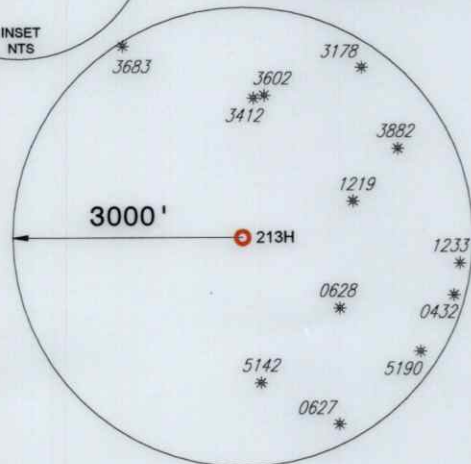
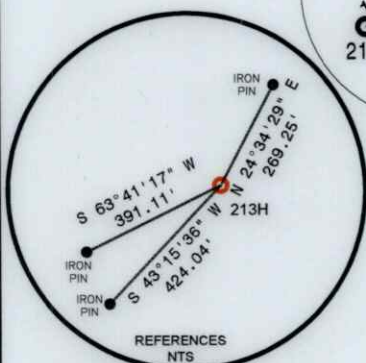
GEOGRAPHIC (NAD83):
LATITUDE: 39.217809°
LONGITUDE: -80.222185°
SPCS (NAD83, WV NORTH, FEET):
NORTHING: 262,268.122
EASTING: 1,763,890.154
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,341,235.712
EASTING: 567,145.799

BOTTOM HOLE LOCATION (BHL):

GEOGRAPHIC (NAD83):
LATITUDE: 39.219215°
LONGITUDE: -80.221814°
SPCS (NAD83, WV NORTH, FEET):
NORTHING: 262,779.352
EASTING: 1,763,999.167
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,341,391.969
EASTING: 567,176.455



TAG	PARCEL	SURFACE OWNER / ROAD / RIVER	ACREAGE
A	17-15-370-25	JERRY R. NEWBROUGH	90.0
B	17-15-370-19	BARRY T. HATHAWAY	41.3



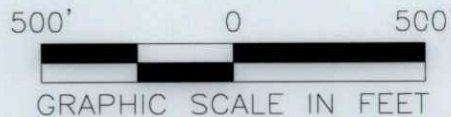
WELL RESTRICTIONS

- ONE OCCUPIED DWELLINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

NOTES ON SURVEY

- TIES TO WELLS AND CORNERS ARE BASED ON UTM, NAD83 DATUM, ZONE 17, US FT.
- WELL LAT./LONG. ESTABLISHED BY DIRECT GPS NAD '83.
- BOUNDARIES SHOWN ARE TAKEN FROM TAX MAPS, DEEDS, AND FIELD SURVEY. THIS DRAWING IS NOT REPRESENTATIVE OF A FULL BOUNDARY SURVEY.
- SURFACE OWNER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF BARBOUR COUNTY IN OCTOBER OF 2021.
- WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDEP.

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)

S.L.H. WELL PAD AND AST PAD
OPERATOR'S WELL #: #213H
API WELL #: 47 033 06111
STATE COUNTY PERMIT

WELL TYPE: OIL ☐ WASTE DISPOSAL ☐ PRODUCTION ☒ DEEP ☐ GAS ☒ LIQUID INJECTION ☐ STORAGE ☐ SHALLOW ☒
WATERSHED: WEST FORK ELEVATION: 1045
DISTRICT: Simpson-Outside District COUNTY: HARRISON QUADRANGLE: BROWNTON
SURFACE OWNER: JERRY R. NEWBROUGH ACREAGE: ±90.0
OIL & GAS ROYALTY OWNER: Chad W. Johnson, Betty Lee Stout, Charles Lloyd Stout, & Jennifer K Sprouse, Trustee of the Ruth Ann Kniceley Irrevocable Trust ACREAGE: ±90.0
DRILL ☒ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☒ PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☒
CONVERT ☐ PLUG & ABANDON ☐ CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐ (SPECIFY) 06/27/2025
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,305' TVD 7,677' TMD

WELL OPERATOR: ARSENAL RESOURCES DESIGNATED AGENT: ERIC MORRIS
ADDRESS: 6031 WALLACE RD. EXT. SUITE 200 ADDRESS: 633 WEST MAIN STREET
CITY: WEXFORD, STATE: PA ZIP CODE: 15090 CITY: BRIDGEPORT STATE: WV ZIP CODE: 26330

LEGEND:	REVISIONS:	DATE:
PROPOSED SURFACE HOLE / BOTTOM HOLE	SURVEYED BOUNDARY	05-08-2025
EXISTING / PRODUCING WELLHEAD	DRILLING UNIT	FILE NO: 10-4254
LPL LANDING POINT LOCATION	LEASE BOUNDARY	DRAWN BY: TMF
	500' OFFSET LINE	SCALE: 1" = 500'
	PROPOSED PATH	DRAWING NO: xxxxx
		WELL LOCATION PLAT 1

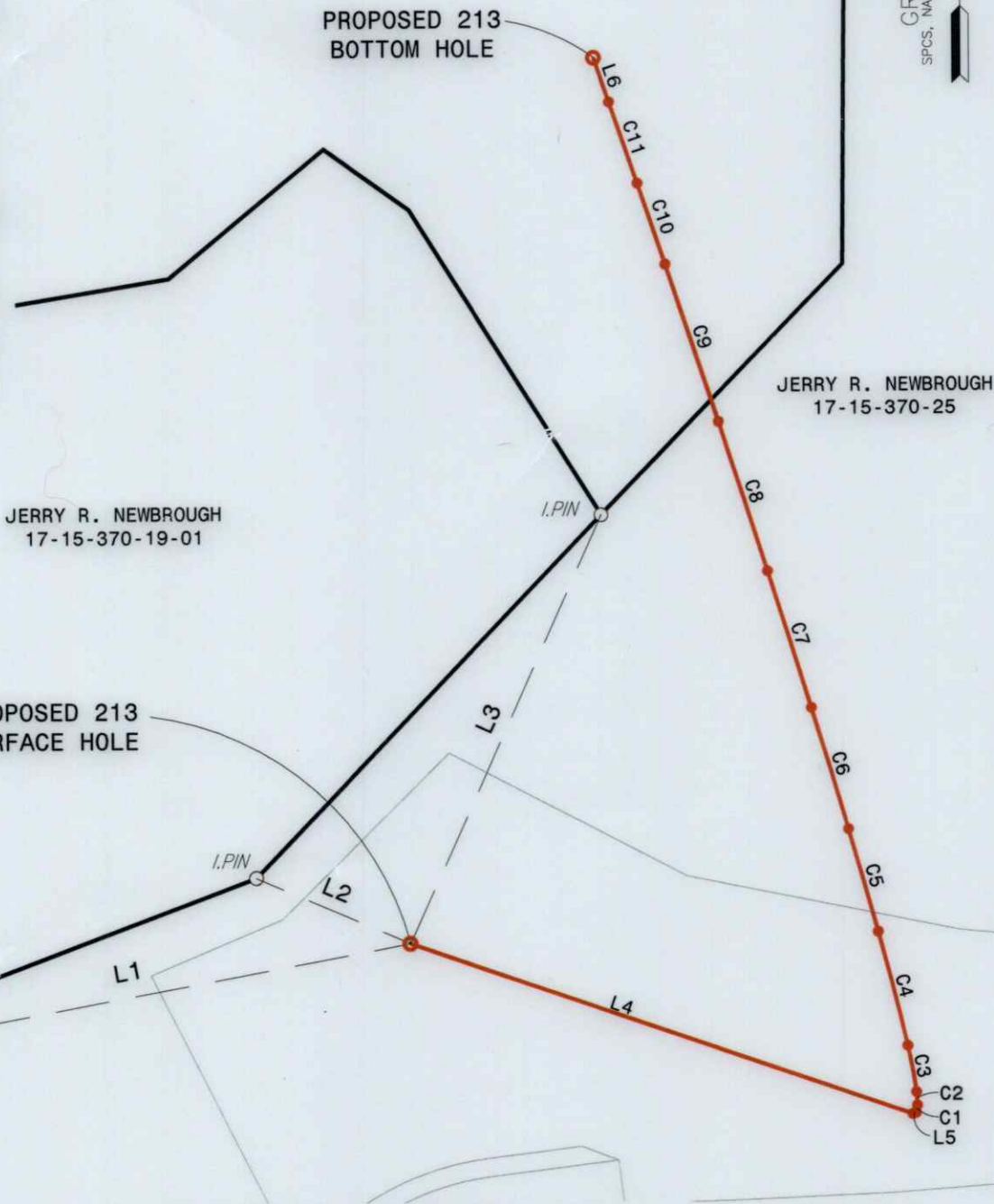


SURVEYOR/ENGINEER:
1-304-933-3463
1700 ANMOORE RD.
BRIDGEPORT, WV 26330

BARRY T. HATHAWAY
17-15-370-19

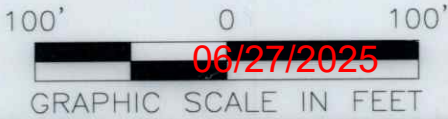


SURFACE HOLE LOCATION (SHL):	
GEOGRAPHIC (NAD83):	
LATITUDE: 39.217809°	
LONGITUDE: -80.222185°	
SPCS (NAD83, WV NORTH, FEET):	
NORTHING: 262,268.122	
EASTING: 1,763,890.154	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,341,235.712	
EASTING: 567,145.799	
BOTTOM HOLE LOCATION (BHL):	
GEOGRAPHIC (NAD83):	
LATITUDE: 39.219215°	
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SPCS (NAD83, WV NORTH, FEET):	
NORTHING: 262,779.352	
EASTING: 1,763,999.167	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,341,391.969	
EASTING: 567,176.455	



LINE	BEARING	DISTANCE
L1	S 79°38'39" W	388.60'
L2	N 65°42'43" W	100.29'
L3	N 24°34'29" E	269.25'
L4	S 71°01'51" E	306.49'
L5	N 69°00'00" E	1.86'
L6	N 18°57'12" W	27.20'

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	12.41'	4.33'	4.30'	N 10°21'35" E	19°58'07"
C2	56.37'	7.94'	7.93'	N 03°39'30" W	8°04'02"
C3	292.83'	27.11'	27.10'	N 10°20'39" W	5°18'16"
C4	1,623.79'	67.72'	67.72'	N 14°11'28" W	2°23'23"
C5	3,439.79'	61.66'	61.66'	N 15°53'58" W	1°01'38"
C6	6,580.55'	73.18'	73.18'	N 16°43'54" W	0°38'14"
C7	7,663.57'	82.90'	82.90'	N 17°21'37" W	0°37'11"
C8	13,469.69'	90.59'	90.59'	N 17°51'46" W	0°23'07"
C9	11,151.50'	96.06'	96.06'	N 18°18'08" W	0°29'37"
C10	30,907.52'	49.34'	49.34'	N 18°35'41" W	0°05'29"
C11	9,122.55'	49.81'	49.81'	N 18°47'49" W	0°18'46"



REVISIONS:	47-033-0611

COMPANY:			
OPERATOR'S		S.L.H. WELL PAD AND AST PAD	
WELL #:		#213H	
DISTRICT:		COUNTY:	STATE:
Simpson-Outside District		HARRISON	WV
DATE:		05-08-2025	
DRAWN BY:		TMF	
SCALE:		DRAWING NO: xxxxx	
WELL LOCATION PLAT 2			

WW-6A1
(5/13)

Operator's Well No. SLH 213

**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

**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: Emily Glick
By: Emily Glick
Its: Geologist & Permitting Specialist

Attachment to WW-6A1, SLH 213

TAG	Parcel #	Lease #	Owner Name	Lessee Name	BK	PG	LOR	Acres
/ A	47-033-15-370-25	00003705	Harley M Reeder and Orba H Reeder	Petroleum Development Corp	1018	77	12.5%+	90
			Petroleum Development Corp	PDC Mountaineer LLC	1440	364		
			PDC Mountaineer LLC	River Ridge Energy	59	1260		
/ B	47-033-15-370-19	00004299	N D Parks ET UX ET AL	Union Carbide Corporation	852	563	12.5+	250
			Union Carbide Corp	Creslenn Oil Company	897	286		
			Creslenn Oil Company	Delta Producing Corp	919	740		
			Delta Producing Corp	Ernest L Linthicum D/B/A/ Delta	923	65		
			Delta Petroleum Co	Petroleum Co	923	146		
			Delta Petroleum Co	R W Johnston	923	235		
			Delta Petroleum Co	R L Eubanks	923	236		
			Delta Petroleum Co	Michael D Brown	923	250		
			Delta Petroleum Co	Robert L Parker	923	268		
			Delta Petroleum Co	M Roy Spielman	923	532		
			Delta Petroleum Co	Miles J Willard	923	708		
			Delta Petroleum Co	Loring JV	923	631		
			Delta Petroleum Co	James Ryan	925	217		
			R W Johnston	M Roy Spielman	26	225		
			Robert L Parker	M Roy Spielman	26	221		
			M Roy Spielman	Petroleum Corporation of America	26	146		
			Michael D Brown	R L Eubanks	956	149		
			R L Eubanks	Petroleum Corporation of America	956	153		
			Miles J Willard	Petroleum Corporation of America	956	118		
			Delta Petroleum Co	Petroleum Corporation of America	958	178		
			James Ryan	Petroleum Corporation of America	958	575		
			Delta Petroleum Co	Petroleum Corporation of America	967	165		
			Petroleum Corporation of America	Petroleum Development Corp	977	73		
			Petroleum Development Corp	Oil Discoveries Inc	1068	173		
			Oil Discoveries Inc	X-oil Drilling Partners	1068	696		
			Oil Discoveries Inc	X-oil Drilling Partners	1068	1096		
			Petroleum Corporation of America	Petroleum Development Corp	1081	626		
			Loring JV	Ernest L Linthicum D/B/A/ Delta	1082	629		
			Loring JV	Petroleum Co	1082	632		
			Loring JV	Ernest L Linthicum D/B/A/ Delta	1082	634		
			Loring JV	Petroleum Co	1082	531		
			Ernest L Linthicum D/B/A/ Delta	Petroleum Development Corp	1083	601		
			Petroleum Co	Comet Investments LTD	1125	952		
			Petroleum Development Corp	Petroleum Development Corp	1262	912		
			Comet Investments LTD	Petroleum Development Corp	1268	364		
			X-oil Drilling Partners	PDC Mountaineer LLC	1440	1260		
			Petroleum Development Corp	River Ridge Energy	59			
			PDC Mountaineer LLC					

RECEIVED
Office of Oil and Gas
MAY 19 2025
WV Department of
Environmental Protection

06/27/2025

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").
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]

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

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

RIVER RIDGE ENERGY, LLC

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

RIVER RIDGE HOLDINGS, LLC

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

RECEIVED
Office of Oil and Gas
MAY 19 2025
WV Department of
Environmental Protection



People Powered. Asset Strong.

May 15, 2025

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; SLH Unit (Well 213)

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,

A handwritten signature in cursive script that reads 'Jon Sheldon'.

Jon Sheldon
Chief Operating Officer

RECEIVED
Office of Oil and Gas
MAY 19 2025
WV Department of
Environmental Protection

06/27/2025

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: Exponent Telegram

Public Notice Date: 4-23-2025 and 4-30-2025

The following applicant intends to apply for a horizontal natural well work permit which disturbs three acres or more of surface excluding pipelines, gathering lines and roads **or** utilizes more than two hundred ten thousand gallons of water in any thirty day period.

Applicant: Arsenal Resources **Well Number:** SLH 211, 212, 213, 214, 215

Address: 6031 Wallace Road Extension, Suite 200
Wexford, PA 15090

Business Conducted: Natural gas production.

Location –

State:	<u>West Virginia</u>	County:	<u>Harrison</u>
District:	<u>Simpson</u>	Quadrangle:	<u>Brownton</u>
UTM Coordinate NAD83 Northing:	<u>4341230.65, 4341233.13, 4341235.71, 4341238.19, 4341240.66</u>		
UTM coordinate NAD83 Easting:	<u>567138.25, 567142.02, 567145.8, 567149.66, 567153.44</u>		
Watershed:	<u>Elk Creek</u>		

Coordinate Conversion:

To convert the coordinates above into longitude and latitude, visit: http://tagis.dep.wv.gov/convert/llutm_conus.php

Electronic notification:

To receive an email when applications have been received or issued by the Office of Oil and Gas, visit <http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx> 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 57th 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 DEP.comments@wv.gov.

Submitting Comments:

Comments may be submitted online at <https://apps.dep.wv.gov/oog/comments/comments.cfm>, or by letter to Permit Review, Office of Oil and Gas, 601 57th 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

06/27/2025

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

Date of Notice Certification: 05/13/2025

API No. 47- 033

Operator's Well No. SLH 213

Well Pad Name: SLH

Notice has been given:

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State: West Virginia
County: Harrison
District: Simpson
Quadrangle: Brownston
Watershed: West Fork

UTM NAD 83

Easting: 567183.729

Northing: 4341221.870

Public Road Access:

C.R. 23/9

Generally used farm name:

Newbrough

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:	
*PLEASE CHECK ALL THAT APPLY	
<input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	OOG OFFICE USE ONLY <input type="checkbox"/> RECEIVED/ NOT REQUIRED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED/ NOT REQUIRED
<input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED	
<input type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or	
<input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)	
<input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION	
<input checked="" type="checkbox"/> 5. PUBLIC NOTICE	
<input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION	<input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED <input type="checkbox"/> 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.

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(1/12)

Certification of Notice is hereby given:

THEREFORE, I Emily Glick, 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:	<u>Arsenal Resources</u>	Address:	<u>6031 Wallace Road Ext, Suite 200</u>
By:	<u>Emily Glick</u>		<u>Wexford, PA 15090</u>
Its:	<u>Geologist & Permitting Specialist</u>	Facsimile:	<u>800-428-0981</u>
Telephone:	<u>724-940-1100</u>	Email:	<u>eglick@arsenalresources.com</u>

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 15th day of May, 2025

Annmarie O'Connor Notary Public

My Commission Expires 3/17/2026

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.

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MAY 19 2025
WV Department of
Environmental Protection

06/27/2025

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(9-13)

4703306111
API NO. 47- -
OPERATOR WELL NO. 213
Well Pad Name: SLH

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: 05/13/2025 **Date Permit Application Filed:** 05/15/2025

Notice of:

- ☒ PERMIT FOR ANY WELL WORK ☐ CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

- ☐ PERSONAL SERVICE ☐ REGISTERED MAIL ☒ METHOD OF DELIVERY THAT REQUIRES A 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.

☐ Application Notice ☐ WSSP Notice ☐ E&S Plan Notice ☐ Well Plat Notice is hereby provided to:

☒ SURFACE OWNER(s)

Name: Jerry R. Newbrough
Address: 4749 Brushy Fork Road
Bridgeport, WV 26330
Name: _____
Address: _____

☒ SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: Jerry R. Newbrough
Address: 4749 Brushy Fork Road
Bridgeport, WV 26330
Name: _____
Address: _____

☐ SURFACE OWNER(s) (Impoundments or Pits)

Name: _____
Address: _____

☒ COAL OWNER OR LESSEE

Name: Jerry R. Newbrough
Address: 4749 Brushy Fork Road
Bridgeport, WV 26330

☐ COAL OPERATOR

Name: _____
Address: _____

☒ SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: See Attached
Address: _____

☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: _____
Address: _____

*Please attach additional forms if necessary

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Office of Oil and Gas

MAY 19 2025

WV Department of
Environmental Protection

06/27/2025

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, notice 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 and any water purveyor or surface owner subject to notice 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 purveyor's 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 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

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

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API NO. 47- -
OPERATOR WELL NO. 213
Well Pad Name: SLH

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. RECEIVED
Office of Oil and Gas

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

MAY 19 2025

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, or 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 written 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 57th St. SE
Charleston, WV 25304
(304) 926-0450

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.**

06/27/2025

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 <http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx> 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.

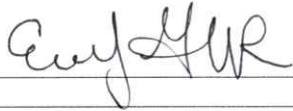
WW-6A
(8-13)

4703306111

API NO. 47- _____
OPERATOR WELL NO. 213
Well Pad Name: SLH

Notice is hereby given by:

Well Operator: Arsenal Resources
Telephone: 724-940-1100
Email: eglick@arsenalresources.com



Address: 6031 Wallace Road Ext, Suite 200
Wexford, PA 15090
Facsimile: 800-428-0981

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.

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 15th day of May 2025
Annmarie O'Connor Notary Public
My Commission Expires 3/17/2026

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Office of Oil and Gas
MAY 19 2025
WV Department of
Environmental Protection

06/27/2025

WW-6A3
(1/12)

Operator Well No. SLH 211

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

Notice Time Requirement: Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry

Date of Notice: 5/1/2025 **Date of Planned Entry:** 5/8/2025

Delivery method pursuant to West Virginia Code § 22-6A-10a

☐ **PERSONAL SERVICE** ☒ **REGISTERED MAIL** ☐ **METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION**

Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.

Notice is hereby provided to:

☒ **SURFACE OWNER(s)**

Name: Jerry R. Newbrough
 Address: 4794 Brushy Fork Road
Bridgeport, WV 26330

Name: _____
 Address: _____

Name: _____
 Address: _____

☒ **COAL OWNER OR LESSEE**

Name: See Attached
 Address: _____

☒ **MINERAL OWNER(s)**

Name: See Attached
 Address: _____

*please attach additional forms if necessary

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: West Virginia
 County: Harrison
 District: Simpson
 Quadangle: Brown-ton

Approx. Latitude & Longitude: 39.2185113, -80.2171650
 Public Road Access: Co. 23/9 (Brushy Fork Rd)
 Watershed: Elk Creek
 Generally used farm name: Newbrough

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator: Arsenal Resources
 Telephone: 724-940-1100
 Email: dboyer@arsenalresources.com

Address: 6031 Wallace Road Ext, Suite 200
Wexford PA 15090
 Facsimile: 800-428-0981

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.

06/27/2025

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF PLANNED OPERATION

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

Date of Notice: 05/13/2025 **Date Permit Application Filed:** 05/15/2015

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

☒ CERTIFIED MAIL ☐ HAND
RETURN RECEIPT REQUESTED DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

Name: Jerry R. Newbrough

Address: 4749 Brushy Fork Road

Bridgeport, WV 26330

Name: _____

Address: _____

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Office of Oil and Gas

MAY 19 2025

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: West Virginia
County: Harrison
District: Simpson
Quadrangle: Brownton
Watershed: Elk Creek

UTM NAD 83

Easting: 567183.729

Northing: 4341221.870

Public Road Access:

Co. 23/9 (Brushy Fork Rd)

Generally used farm name:

Newbrough

WV Department of
Environmental Protection

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Operator: Arsenal Resources

Telephone: 724-940-1100

Email: eglick@arsenalresources.com

Address: 6031 Wallace Road Ext Suite, 200

Wexford, PA 15090

Facsimile: 800-428-0981

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.

06/27/2025

WW-6RW
(1-12)

API NO. 47-
OPERATOR WELL NO. 213
Well Pad Name: 5111 AND THE EAST 1/4

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL LOCATION RESTRICTION WAIVER

The well operator, Arsenal Resources LLC is applying for a permit from the State of West Virginia to conduct oil or gas well work. Please be advised that well work permits are valid for twenty-four (24) months.

Well Location Restrictions

Pursuant to West Virginia Code § 22-6A-12(a), 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.

WAIVER

I, John Booth, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit, WW-6A and attachments consisting of pages one (1) through 1, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State: <u>WV</u>	UTM NAD 83 Easting: <u>567145 832</u>	<p>RECEIVED Office of Oil and Gas MAY 19 2025 WV Department of Environmental Protection</p>
County: <u>HARRISON</u>	UTM NAD 83 Northing: <u>4341235 664</u>	
District: <u>SIMPSON-OUTSIDE</u>	Public Road Access: <u>C.R. 219 - BRUSHY FORK ROAD</u>	
Quadrangle: <u>BROWNTON</u>	Generally used farm name: <u></u>	
Watershed: <u>WEST FORK</u>		

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials and I therefore waive all well site restrictions listed under West Virginia Code § 22-6A-12(a).

WELL SITE RESTRICTIONS BEING WAIVED

*Please check all that apply

- ☒ EXISTING WATER WELLS
☒ DEVELOPED SPRINGS
☒ DWELLINGS
☐ AGRICULTURAL BUILDINGS

FOR EXECUTION BY A NATURAL PERSON

Signature: John Booth

Print Name: John Booth

Date:

FOR EXECUTION BY A CORPORATION, ETC.

Company:

By:

Its:

Signature:

Date:

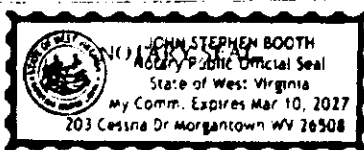
Well Operator: ARSENAL RESOURCES LLC

By:

Its:

Signature:

Telephone:



Subscribed and sworn before me this 5th day of May, 2027

John Booth John Booth Notary Public

My Commission Expires Mar 10, 2027

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 of your personal information, please contact DEP's Chief Privacy Officer at deppriva@wv.gov.

06/27/2025



**WEST VIRGINIA
DEPARTMENT OF TRANSPORTATION**

1900 Kanawha Boulevard East • Building Five • Room 109
Charleston, West Virginia 25305-0440 • (304) 558-0444

Michael J. DeMers
Deputy Secretary of Transportation

Stephen T. Rumbaugh, P.E.
Secretary of Transportation
Commissioner of Highways

May 8, 2025

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 SLH Well Pad, Harrison County
SLH 211 Well Site SLH 212 Well Site SLH 213 Well Site
SLH 214 Well Site SLH 215 Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #04-2025-7070 which has been issued to Arsenal Resources, LLC for access to the State Road for a well site located off Harrison County Route 23/9 SLS MP 1.938.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE 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,

Lacy D. Pratt
Central Office O&G Coordinator

Cc: Emily Glick
Arsenal Resources, LLC
OM, D-4
File

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	HCl - 7.5%	7647-01-0

06/27/2025

OPERATOR: Arsenal Resources

WELL NO: 213

PAD NAME: SLH

REVIEWED BY: Emily Glick

SIGNATURE: 

WELL RESTRICTIONS CHECKLIST

HORIZONTAL 6A WELL

Well Restrictions

☐ At Least 100 Feet from Pad and LOD (including any E&S Control Feature) to any Perennial Stream, Lake, Pond, Reservoir or Wetland; OR

☒ DEP Waiver and Permit Conditions

☒ At Least 300 Feet from Pad and LOD (including any E&S Control Feature) to any Naturally Producing Trout Stream; OR

☐ DEP Waiver and Permit Conditions

☒ At Least 1000 Feet from Pad and LOD (including any E&S Control Feature) to any Groundwater Intake or Public Water Supply; OR

☐ DEP Waiver and Permit Conditions

☒ At Least 250 Feet from an Existing Water Well or Developed Spring to Well Being Drilled; OR

☐ Surface Owner Waiver and Recorded with County Clerk, OR

☐ DEP Variance and Permit Conditions

☐ At Least 625 Feet from an Occupied Dwelling Structure to Center of the Pad; OR

☒ Surface Owner Waiver and Recorded with County Clerk, OR

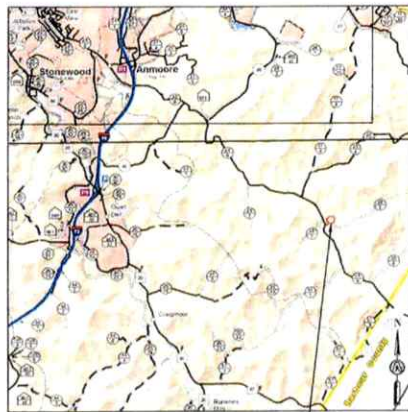
☐ DEP Variance and Permit Conditions

☒ At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the Center of the Pad; OR

☐ Surface Owner Waiver and Recorded with County Clerk, OR

☐ DEP Variance and Permit Conditions

06/27/2025



VICINITY MAP
HARRISON COUNTY, WV
GENERAL HIGHWAY MAP

DRIVING DIRECTIONS

- Starting at the intersection of WV-58 & I-79, Head east on WV-58 / Anmoore Rd., 0.3 miles
- Turn left onto Philippi Pike / County Hwy-239, 5.4 miles
- Arrive at S.L.H. Well Pad Access Rd., Brushy Fork Rd. / Philippi Pike



PERMITTING PLANS FOR S.L.H. WELL PAD & AST PAD PROPOSED WELL #'s 211, 212, 213, 214, & 215 HARRISON COUNTY, WV MAY 2025

*Jeff Purser
5-15-2025*

SITUATE ON THE WATERS OF THE WEST FORK
IN SIMPSON OUTSIDE DISTRICT, HARRISON COUNTY, WEST VIRGINIA.

LOCATION COORDINATES

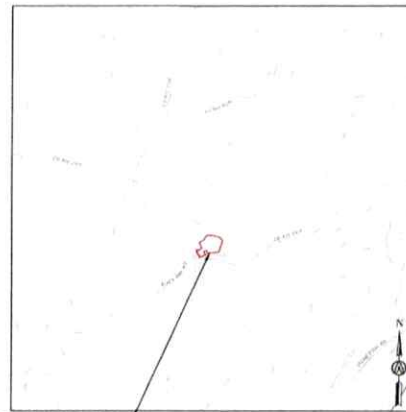
ACCESS ROAD ENTRANCE			
LATITUDE: 39.216892° N	LONGITUDE: 80.223205° W	(DECIMAL DEGREES)	
LATITUDE: 39°13' 00.77" N	LONGITUDE: 80° 13' 23.54" W	(DEGREES-MINUTES-SECONDS)	
NORTHING: 261832.8065	EASTING: 1763048.3184	(WV SP-NAD83, FEET)	
NORTHING: 4340153.213	EASTING: 567043.885	(UTM ZONE 17, METERS)	

WELL PAD CENTER			
LATITUDE: 39.217681° N	LONGITUDE: 80.221747° W	(DECIMAL DEGREES)	
LATITUDE: 39°13' 03.55" N	LONGITUDE: 80°13' 18.29" W	(DEGREES-MINUTES-SECONDS)	
NORTHING: 262220.7918	EASTING: 1764013.7557	(WV SP-NAD83, FEET)	
NORTHING: 262192.395	EASTING: 1755453.893	(WV SP-NAD83, FEET)	
NORTHING: 4341221.870	EASTING: 567183.729	(UTM ZONE 17, METERS)	

S.L.H. WELL PAD SURFACE HOLE LOCATIONS									
WELL NUMBER	STATE PLANE (NAD83) N	STATE PLANE (NAD83) E	UTM (NAD83) N	UTM (NAD83) E	UTM (NAD83) ZONE	LATITUDE (NAD83)	LONGITUDE (NAD83)	PROPOSED ELEVATION	
211	262251.996	1763864.856	4341230.625	567136.206	39 217764	80.222273	80.222273	1045.00	
212	262250.059	1763877.505	4341233.143	567142.019	39 217786	80.222299	80.222299	1045.00	
213	262266.122	1763890.154	4341236.664	567146.832	39 217809	80.222180	80.222180	1045.00	
214	262276.185	1763902.802	4341238.184	567149.645	39 217831	80.222140	80.222140	1045.00	
215	262294.248	1763915.451	4341240.705	567153.457	39 217853	80.222060	80.222060	1045.00	

LIMITS OF DISTURBANCE BY PROPERTY

PROPERTY#	PROPERTY OWNER	ACRES DISTURBED
TAX MAP 370, PARCEL 19.1	JERRY R. NEWBROUGH	0.34 AC
TAX MAP 370, PARCEL 25, TRACT 2	JERRY R. NEWBROUGH	9.13 AC
PHILIPPI PIKE R.O.W.	WEST VIRGINIA DEPT. OF HIGHWAYS	0.12 AC
TOTAL LIMITS OF DISTURBANCE:		9.59 ACRES



LOCATION MAP
BROWNTON QUADRANGLE MAP

LEGEND

EXISTING CONTOURS	PROPOSED CONTOURS
EXISTING PROPERTY LINES	PROPOSED PROPERTY LINES
EXISTING RIGHT OF WAY	PROPOSED RIGHT OF WAY
EXISTING FENCE LINE	PROPOSED FENCE LINE
EXISTING ROCK LINED DITCH	PROPOSED ROCK LINED DITCH
EXISTING EASE OF CONCERN	PROPOSED EASE OF CONCERN
EXISTING CONCRETE CURB	PROPOSED CONCRETE CURB
EXISTING DRAINAGE	PROPOSED DRAINAGE
EXISTING GULLY	PROPOSED GULLY
EXISTING FENCE LINE	PROPOSED FENCE LINE
EXISTING TIME LINE	PROPOSED TIME LINE
EXISTING FENCE LINE	PROPOSED FENCE LINE
EXISTING DITCH	PROPOSED DITCH
EXISTING WETLAND	PROPOSED WETLAND
EXISTING BURNING	PROPOSED BURNING
EXISTING GAS LINE	PROPOSED GAS LINE
EXISTING WATER LINE	PROPOSED WATER LINE
EXISTING OVERHEAD ELECTRIC	PROPOSED OVERHEAD ELECTRIC
EXISTING DAY WIRE	PROPOSED DAY WIRE
EXISTING FOUNTAIN	PROPOSED FOUNTAIN
EXISTING BORERHOLE LOCATION	PROPOSED BORERHOLE LOCATION

UTILITY CONTACTS:

HOPE GAS
48 COLUMBIA BLVD
CLARKSBURG, WV 26301
TYLER HITT
PHONE: (801) 428-4140
EMAIL: JAMES.L.HITT@HOPEGAS.COM

PROXIMATE RURAL ELECTRICAL

2100 SUN VALLEY RD.
CLARKSBURG, WV 26301
JASON LEMLEY
PHONE: (304) 622-1865
EMAIL: JASON.LEMLEY@TRC.COM

HARRISON RURAL ELECTRICAL

2100 SUN VALLEY RD.
CLARKSBURG, WV 26301
DONALD RUTTER
PHONE: (304) 677-4174
EMAIL: DONALD.RUTTER@COOP

911 EMERGENCY ADDRESS:

S.L.H. WELL PAD
4795 BRUSHY FORK RD.
BRIDGEPORT, WV 26330

PROJECT CONTACTS:

ENGINEER:
MICHAEL RESTON, PE
ASCENT CONSULTING & ENGINEERING
1700 ANMOORE ROAD
BRIDGEPORT, WV 26330
PHONE: (304) 833-3463
EMAIL: MRESTON@ASCENTWV.COM

CONSTRUCTION SUPERINTENDENT:

JONATHAN CLARY
ARSENAL RESOURCES
6031 WALLACE ROAD EXT., SUITE 200
WEXFORD, PA 15090
PHONE: (804) 688-6384
EMAIL: JCLARY@ARSENALRESOURCES.COM

WEST VIRGINIA 811
CALL BEFORE YOU DIG!
IT'S THE LAW!

MISS UTILITY OF WEST VIRGINIA
1-800-488-4888
WEST VIRGINIA STATE LAW
SECTION 24-2-3
REQUIRES THAT YOU CALL TWO
BUSINESS DAYS BEFORE YOU DIG IN
THE STATE OF WEST VIRGINIA.
IT'S THE LAW!



NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		

PREPARED FOR:
ARSENAL RESOURCES, LLC
6031 WALLACE ROAD EXT., SUITE 200
WEXFORD, PA 15090
WWW.ARSNALRESOURCES.COM
(724) 940-1100



1700 ANMOORE ROAD
BRIDGEPORT, WV 26330
WWW.ASCENTWV.COM
(304) 833-3463

PROJECT NUMBER	4254	DRAWN	EMS
DATE	5/1/2025	DESIGN	EMS
SCALE	AS SHOWN	CHECKED	MRN

CONSTRUCTION PLANS FOR
ARSENAL RESOURCES
S.L.H. WELL PAD & AST PAD
HARRISON COUNTY, WV

TITLE:	COVER SHEET
PLAN STATUS:	PERMITTING
SHEET NO.:	1

4703306111



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
dep.wv.gov

**ORDER
ISSUED UNDER
WEST VIRGINIA CODE, CHAPTER 22, ARTICLE 6A**

TO: Arsenal Resources, LLC
6031 Wallace Rd Ext., Suite 101
Wexford PA 15090

DATE: June 25, 2024
ORDER NO.: 2025-W-3

INTRODUCTION

This Order (hereinafter “Order”) is issued by the Office of Oil and Gas (hereinafter “OOG”), by and through its Chief, pursuant to the authority of W. Va. Code §§ 22-1-1, 22-6-1 and 22-6A-1 *et seq.* to Arsenal Resources, LLC (hereinafter “Arsenal” or “Operator”), collectively the “Parties.”

FINDINGS OF THE CHIEF

In support of this Order, the Chief hereby finds the following:

1. OOG, an office within the West Virginia Department of Environmental Protection, is the agency with the duty and authority to execute and enforce W. Va. Code §22-6-1 and §22-6A-1 *et seq.*, and the rules and regulations promulgated thereunder.
2. Arsenal is a “person” as defined by W. Va. Code §22-6-1(n), with a corporate address as 6031 Wallace Rd Ext., Suite 101, Wexford PA 15090.
3. On May 9, 2025, Arsenal submitted well work permit applications identified as API# 47-033-06111 and 47-033-06112. The well is located on the SLH Pad in the Simpson District of Harrison County, West Virginia.
4. On May 9, 2025, Arsenal requested a waiver for Wetland 3 and Perennial Stream 2 as outlined in Attachment 1, from well location restriction requirements in W. Va. Code §22-6A-12(b) for the well work permit applications identified as API# 47-033-06111 and 47-033-06112. Wetlands 2 and 4 are not within 100 feet of the LOD of the pad.

CONCLUSIONS OF LAW

1. West Virginia Code §22-1-6(d) requires, in part, that “in addition to other powers, duties and responsibilities granted and assigned to the secretary by this chapter, the secretary is authorized and empowered to...(3) Enter private lands to make surveys and inspections for environmental protection purposes; to investigate for violations of statutes or rules which the Office of Oil and Gas is charged with enforcing; to serve and execute warrants and processes; to make arrests; issue orders, which for the purposes of this chapter include consent agreements; and to otherwise enforce the statutes or rules which the Office of Oil and Gas is charged with enforcing.”
2. West Virginia Code §22-6A-2(a)(6) requires, in part, that “Concomitant with the broad powers to condition the issuance of well work permits, the secretary should also have broad authority to waive certain minimum requirements of this article when, in his or her discretion, such waiver is appropriate: *Provided*, That the secretary shall submit a written report of the number of waivers granted to the Legislature commencing January 1, 2013, and each year thereafter.”
3. West Virginia Code §22-6A-12(b) requires, in part, that “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 Office of Oil and Gas 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 Office of Oil and Gas 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.”

ORDER

West Virginia Code §22-6A-12(b) requires, in part, that “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. The Office of Oil and Gas grants the request for a waiver for Wetland 3 and Perennial Stream 2 from well location restriction requirements in W. Va. Code §22-6A-12(b) for the well work permit applications identified as API# 47-033-06111 and 47-033-06112. The Office of Oil and Gas hereby **ORDERS** that Arsenal shall meet the following site construction and operational requirements for the SLH Well Pad:

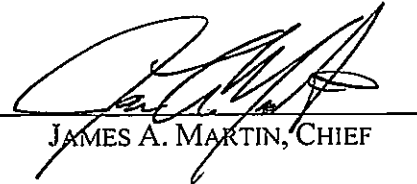
- a. A berm shall be constructed around the perimeter of the pad to contain any potential spills and storm water runoff. Berm is to be at least twenty-four inches (24”) in height;
- b. Erosion control blankets shall be installed on all slopes and down gradient locations of the pad as erosion and sediment controlling BMPs;
- c. Wetland 3 and Perennial Stream 2 shall be protected by the pad perimeter berm, a row of twelve-inch (12”) Compost Filter Sock and Smart Fence HD. This along with temporary and permanent vegetative cover will prevent sediment from reaching the wetlands and stream;
- d. Disturbed areas not used for operations shall be seeded and mulched per the seeding tables in the WVDEP-OOG Erosion and Sediment Control Manual;
- e. Drill cuttings and associated drilling mud shall be disposed of in a permitted landfill;
- f. Waste generated by the flowback treatment systems shall be sent to offsite disposal at a permitted landfill;
- g. Weekly site inspections shall be conducted to monitor and maintain the integrity of the BMP storm water controls;
- h. Weekly storm water and spill prevention inspections shall be conducted focusing on storm water and spill prevention BMPs and maintenance of these BMPs;
- i. Inspections of the storm water and spill prevention measures shall be conducted after any major storm event defined as a half inch (½”) rain within any twenty-four (24) hour period;
- j. Pad inspections shall be conducted no less than once a week to identify and mitigate potential deficiencies;
- k. All records from inspections shall be maintained on site for the life of the project and be available upon request.

Thus ORDERED, the 25th day of June 2025.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

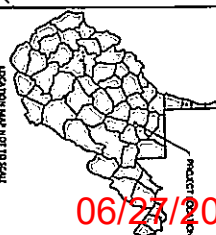
OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE OF WEST VIRGINIA

By:



A handwritten signature in black ink, appearing to read 'J. A. Martin', is written over a horizontal line.

JAMES A. MARTIN, CHIEF



06/27/2025



PRODUCT NUMBER:	4254	DATE:	05/26
CALL:	6/18/2025	TIME:	04:15
SCALE:	AS SHOWN	BY:	MRN

**CONSTRUCTION PLANS FOR
ARSENAL RESOURCES
S.L.H. WELL PAD & AST PAD
HARRISON COUNTY, WY**

OVERALL SITE GRADING & ESC PLAN	
PLAN STATUS:	PROJECT NUMBER
PERMITTING	6A

11/3/14

Wetland and Perennial Stream Waiver Request

API Number: 47-033-06111

Operator's Well Number: 213

Well Operator: ARSENAL RESOURCES, LLC

Well Number: 213

Well Pad Name: SLH WELL PAD & AST PAD

County, District, Quadrangle of Well Location: HARRISON, SIMPSON-OUTSIDE, BROWNTON

Answer the questions below to request a waiver from West Virginia Department of Environmental Protection for any wetlands or perennial streams which lie within one hundred feet of proposed project Limit of Disturbance (LOD), which includes any erosion and sediment control devices to be used.

This waiver shall be requested pursuant to Chapter 22 Article 6A Section 12 of West Virginia Code, which states:

§22-6A-12(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.

§22-6A-12(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.

06/27/2025

Answer in the space provided, or use additional pages as necessary to fully answer the questions below:

1. Describe the proposed project location, including unique identifying names of all wetlands, and the names of perennial streams for which the waiver is sought.

The proposed S.L.H Well Pad and AST Pad project is located southeast of Bridgeport in Harrison County, West Virginia. Approximate coordinates of the center of the proposed well pad are 39.217681 N and 80.221747 W. The wetlands and stream within 100 feet of the LOD are as follows:

Wetland 2: PEM, 0.045 AC

Wetland 3: PEM, 0.154 AC

Wetland 4: PEM, 0.004 AC

Stream 2 - perennial, 1,612 linear feet within area of investigation

2. Justify the proposed activity by describing alternatives to this project that were considered.

- a. Include a No-Action Alternative as to show "the future without the project"
- b. Location Alternatives must be shown
- c. Must demonstrate why a one hundred foot buffer cannot be maintained
- d. Describe how the proposed project is the least environmentally damaging practicable alternative

The S.L.H. Well Pad and AST Pad is not able to meet the 100' setback requirements from adjacent wetlands. The physical location of the pad has been approved by the surface owner. The well head locations have been strategically placed in order to be drilled through geological targeted formation(s), therefore, the well head locations cannot be moved. The current pad dimensions are necessary to safely setup the drilling rig. A long narrow pad could not be achieved and still maintain enough room for the drilling rig and associated equipment. The Limits of disturbance encroaching into the wetlands around the well pad is also necessary for proper construction and maintenance of the Erosion Control BMP's.

11/3/14

Wetland and Perennial Stream Waiver Request

API Number: 47-033-06111

Operator's Well Number: 213

3. Identify sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. This description should include all additional erosion and sediment control measures and devices that will be used.

Refer to Attachment A for details.

4. Provide mapping, plans, specifications and design analysis for the preferred alternative to the project.

- a. Specify in writing what additional controls, measures, devices, monitoring, etc. will be used to protect these wetlands and/or perennial streams for which the waiver is sought.

There is no preferred alternative available for this well pad due to specifics sited in #2 above.

Please refer to Attachment A.

06/27/2025

Wetland and Perennial Stream Waiver Request – Attachment A

Arsenal Resources, LLC
S.L.H Well Pad and AST Pad
Harrison County, WV

1. Describe the proposed project location, including unique identifying names of all wetlands, and the names of perennial streams for which the waiver is sought.

Addressed on initial wetland/perennial stream waiver form attached. All streams and wetlands identified within the project area are identified on the Stream and Wetland Delineation Map. There are no wetlands being impacted within the limits of disturbance (LOD).

2. N/A: Addressed on initial wetland/perennial stream waiver form attached.
3. Identify sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. This description should include all additional erosion and sediment control measures and devices that will be used.

ROCK CONSTRUCTION ENTRANCE

A rock construction entrance will be provided at the location shown on the plans and in accordance with the standard detail provided in the Erosion and Sediment Control Plan. This measure proves effective removing sediment from vehicles before entering onto State, and county roads. The rock construction entrance thickness shall be constantly maintained to the specified dimensions by adding rock. A stockpile shall be maintained onsite for this purpose. At the end of each construction day, all sediment deposited on paved roadways shall be removed and returned to the construction site. If the crushed stone does not adequately remove sediment from vehicle tires, the tires should be hosed off before the vehicle enters a public street. The washings should be done on an area covered with crushed stone, and the water wash should drain to a sediment control device.

DIVERSION DITCHES

A channel will be used to convey stormwater runoff in a stable manner from the tank pad site construction area. The channel will be lined with erosion control matting to help keep seed in place once final grades are established. Channels shall be inspected twice a month until a uniform 70% perennial vegetative cover is established. Any damage to the channel or erosion control blanket shall be fixed immediately. The contractor is to place seed on all bare spots and areas not establishing ground cover.

COLLECTION / ROADSIDE DITCHES

Collection/roadside channels will be used to convey stormwater runoff in a stable manner from the tank pad site and access road. Depending on the velocity of flow in each channel, the channel will be vegetated or lined with riprap. See ditch calculation table provided in the attached Erosion and Sediment Control Plan for details.

If vegetated, channels shall be inspected twice a month until a uniform 70% perennial vegetative cover is established. Any damage to the channel or erosion control blanket shall be fixed immediately. The contractor is to place seed on all bare spots and areas not establishing ground cover.

If the channel is lined with riprap it shall be inspected within 24 hours after every storm event greater than 0.5 inches of rain per 24 hour period. Replace stone as necessary. If consistent washouts persist, install rock check dam to slow velocity of runoff in the washout area.

Wetland and Perennial Stream Waiver Request – Attachment A

Arsenal Resources, LLC
S.L.H Well Pad and AST Pad
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RIP RAP OUTLET PROTECTION

Rock Aprons will be used at storm sewer outfalls to dissipate the velocity coming from storm pipes, helping prevent erosion/scour of existing drainage ways and features.

The rock aprons shall be inspected weekly until a uniform 70% perennial vegetation has established. Any visible damage shall be fixed by the end of the working day by placing additional riprap in the damaged area with a layer of geotextile. Place additional stone as necessary to prevent further erosion.

4. **Provide mapping, plans, specifications, and design analysis for the preferred alternative to the project.** Plans and specifications for the well pad and access road are included. There is no preferred alternative available for the well pad.
 - a. **Specify in writing what additional controls, measures, devices, monitoring, etc. will be used to protect these wetlands and/or perennial streams for which the waiver is sought.**

SUPER SILT / SMART FENCE HD

Smart fence shall be installed in the locations shown on the plans and in accordance with the standard detail provided in the ESCP. Accumulated sediments shall be removed in all cases where accumulations have reached half the above ground height of the sock. If the fence has been damaged, it shall be repaired or replaced if beyond repair. The filter media will be dispersed on site once the disturbed area has been permanently stabilized. Adhere to manufacturer's recommendations. The smart fence can be doubled for added protection within the vicinity of the wetlands that are near the limits of disturbance during construction if field conditions change.

EROSION CONTROL MATTING

The specified products or approved equivalent erosion control matting will be installed within all permanent channels and on all slopes 3:1 or greater. The erosion control matting shall be inspected weekly and after every rainfall event to look for scour/washout areas. Any scoured areas shall be fixed immediately by compacting soil in the washout area and placing seed. Any damaged erosion control matting shall be replaced immediately. Matting shall be maintained until a uniform 70% perennial vegetation has been established.

TEMPORARY VEGETATIVE STABILIZATION

Fertilizing, seeding, and mulching will be used as a temporary E&S control measure on all disturbed areas as needed. Exposed soils not subject to construction traffic shall not remain unseeded or covered by mulch for more than twenty-one (21) days, including stockpiled soil materials. Refer to the seeding mixtures provided on the erosion and sedimentation control general notes drawing of the Erosion and Sediment Control Plan for temporary seed mixtures.

The contractor shall vegetate all disturbed areas at the earliest appropriate times for establishment of temporary or permanent seed mixtures, respectively. When site development staging or season will not permit timely sowing of the permanent seed mixture(s), prepare soils as for permanent seeding, seed with temporary seed mixture and mulch, and then over-sow the perennial seed mixture into the stubble of temporary vegetation at the next appropriate seeding season.

Wetland and Perennial Stream Waiver Request – Attachment A

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PERMANENT VEGETATIVE STABILIZATION

Fertilizing, seeding and mulching will be used as a permanent E&S control measure on all disturbed areas. Refer to the permanent seed mixture provided on the erosion and sediment control plan's general notes drawing. The contractor shall inspect the site twice a week until a 70% perennial vegetative cover is established. The contractor is to place seed on all bare spots and disturbed areas not establishing ground cover.