



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, April 18, 2024
WELL WORK PERMIT
Vertical / New Drill

EAGLE NATRIUM LLC
15696 ENERGY RD., STATE RT 2

PROCTOR , WV 26055

Re: Permit approval for EAGLE NATRIUM/ BW 101
47-051-02513-00-00

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.

James A. Martin
Chief

Operator's Well Number: EAGLE NATRIUM/ BW 101
Farm Name: EAGLE NATRIUM LLC
U.S. WELL NUMBER: 47-051-02513-00-00
Vertical New Drill
Date Issued: 4/18/2024

PERMIT CONDITIONS

West Virginia Code § 22-6-11 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. 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 § 22-6-20, 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 fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR § 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR § 4-19.1.c, if the operator is unable to sample and analyze any water well or spring within one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
7. Well work activities shall not constitute a hazard to the safety of persons.
8. Operator shall provide the Officer of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

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

1) Well Operator: Eagle Natrium, LLC 39600 Marshall Franklin New Martinsville
Operator ID County District Quadrangle

2) Operator's Well Number: #101 Brine Well 3) Elevation: 648'

4) Well Type: (a) Oil or Gas Fresh Water Inj
 (b) If Gas: Production / Underground Storage
 Deep X / Shallow

5) Proposed Target Formation(s): Salina Salt Proposed Target Depth: 6,700-6,800 ft

6) Proposed Total Depth: 6,800 Feet Formation at Proposed Total Depth: Salina

7) Approximate fresh water strata depths: 20'-70'

8) Approximate salt water depths: N/A

9) Approximate coal seam depths: 204'-208'; 400'-405'; 1,025'-1,028'

10) Approximate void depths, (coal, Karst, other): N/A

11) Does land contain coal seams tributary to active mine? No

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)

Bore holes will be drilled, casing set as per the casing/tubing program, then No. 1 Brine field will be intercepted.

13) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE	INTERVALS	CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	26"	X	169 lb/ft	12'	12'	
Fresh Water	20"	J-55	94 lb/ft	82'	82'	217
Coal	N/A	N/A	N/A	N/A	N/A	N/A
Intermediate	13-3/8"	J-55	54.5 lb/ft	2,200'	2,200'	3,083
Production	9-5/8"	HCL-80	53.5 lb/ft	6,682'	6,682'	4,198
Tubing						RECEIVED Office of Oil and Gas
Liners						JAN 09 2024

Packers: Kind: N/A WV Department of
Environmental Protection

Sizes: N/A

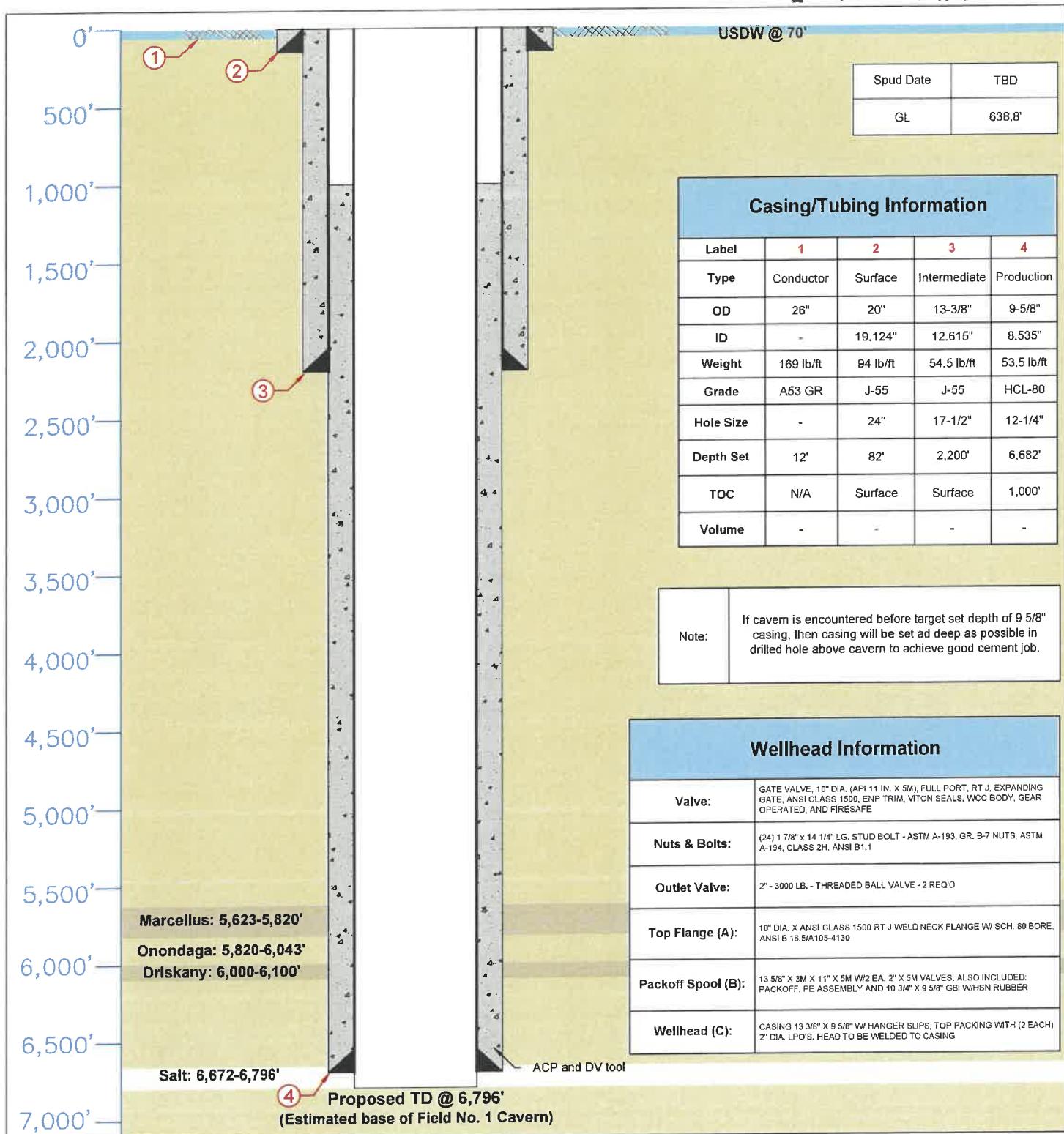
Depths Set N/A

*Stef Johnson
12/14/2023*

WV Department of
Environmental Protection

01/30/2026

4705102513B



LONQUIST & CO. LLC 	Westlake Natrium		
	Country: USA	State/Province: West Virginia	County/Parish: Marshall
	Serial: TBD	API: TBD	Well Type/Status: FW Injection
	Field: #1 Brine Field	Lat: 39.745148	Long: 80.847565
	Texas License F-22610	Project No: F2340	Date: 12/06/2023
12912 Hill Country Blvd. Ste F-200 Austin, Texas 78738 Tel: 512.732.9812 Fax: 512.732.9816	Drawn: LMM	Reviewed: PJS	Approved: RCH
	Rev No: 1	Notes:	

01/30/2026

Westlake

Westlake Natrium
#101 Brine Well – Fresh Water Injection
Natrium, West Virginia

HIGH LEVEL DRILLING PROCEDURE (Not for Field Execution)

LONQUIST
FIELD SERVICE

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WV Department of
Environmental Protection

 FIELD SERVICE	High Level Drilling Procedure		Project No.: 2340
	Westlake Natrium #101 Brine Well – Fresh Water Injection		Date: October 2023
			Page: 2 of 3
Well: #101 Brine Well	State: West Virginia	Location: TBD	County: Marshall
Well API#: TBD	Operator: Westlake	Field: #1 Brine	Current Status: Proposed

INTRODUCTION:

Westlake Natrium ("Westlake") contracted Lonquist Field Service, LLC ("LFS") to drill a new fresh water injection well into the existing brine production Field No. 1 at its Natrium facility in West Virginia. This drilling procedure presents the high-level plan to drill and complete the well in accordance with current WV DEP requirements. The target formation is the Salina F4 1st salt. The well is planned to have a 26" conductor casing, 20" surface casing, 13-3/8" intermediate casing and 9-5/8" production casing.

The new injection well will have the following proposed wellbore configuration:

- 26", 169 lb/ft, A53, Conductor Pipe – ~12' (No Cement – Driven)
- 20", 94 lb/ft, J-55, BTC, Surface Casing (Fresh water pipe) – ~82' (Cemented to surface)
- 13-3/8", 54.5 lb/ft, J-55, BTC, Intermediate Casing – Surface to ~2,200' (Cemented to surface)
- 9-5/8", 53.5 lb/ft, HCL-80, LTC, Production Casing – Surface to ~6,682' (10' below projected top of Salina F4 1st Salt – Cemented to ~1,000')

A proposed wellbore schematic is attached. The following points outline the high-level steps of the drilling operations:

Conductor Pipe

- Move in driving rig/drilling rig for conductor casing
- Install 6' x 6' tin horn cellar
- Drive 26" conductor casing to ~12'

Surface (Fresh Water) Casing Section

- MIRU drilling rig, closed loop system, and solids control equipment
- Use 24" bit and air drilling equipment to drill surface casing hole down to approximately ~82'
 - 24" Hammer Bit
 - Air and soap
- Set 20" Surface Casing at ~82' and cement to surface
 - Run caliper log in surface hole to confirm cement volumes
 - Pump 100% excess cement (Blend as per WVDP requirements)
 - Run cement bond log after WOC (Wait on cement time as per WVDP requirements)

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Intermediate Casing Section

- Use 17-1/2" bit and air drilling equipment to drill intermediate hole down to approximately 2,200'
 - 17-1/2" PDC Bit
 - Air and soap
 - If wellbore becomes wet due to water influx and cannot be controlled by increasing air volume, it is recommended to continue drilling with Air / Mist system.
 - 21-1/4" Double Ram BOP's
 - Set intermediate casing below Berea Sandstone
 - Directional tools will be used for deviation control
 - Maintain deviation < 1 Degree
 - If hole appears to be tight while pulling out of hole, be prepared to load hole with fresh water gel prior to running casing.
- Set 13-3/8" Intermediate Casing at ~2,200' and cement to surface

PREPARED BY	DATE	REVISED BY	DATE	APPROVED BY	DATE	Lonquist Field Service, LLC
PJS	10/16/2023	RCH	10/26/2023			Texas Registered Firm No: F-9147

		High Level Drilling Procedure		Project No.: 2340			
		Westlake Natrium #101 Brine Well – Fresh Water Injection			Date: October 2023		
Well: #101 Brine Well		State: West Virginia		Location: TBD			
Well API#: TBD		Operator: Westlake		Field: #1 Brine			
				County: Marshall			
				Current Status: Proposed			
<ul style="list-style-type: none"> ○ Run caliper log in intermediate hole to confirm cement volumes ○ Pump 100% excess cement (Blend as per WVDP requirements) ○ Run cement bond log after WOC (Wait on cement time as per WVDP requirements) • Install "A" section of the wellhead • Run cased hole logs <ul style="list-style-type: none"> ○ Cement bond log 							
<p>Production Casing Section</p> <ul style="list-style-type: none"> • Use 12-1/4" bit to continue drilling to casing set point or into the cavern (whichever occurs first) <ul style="list-style-type: none"> ○ 12-1/4" PDC Bit ○ Drill with air down to 200' above the Marcellus then load hole with 10.0 ppg brine ○ 13-5/8" BOP's <ul style="list-style-type: none"> ▪ Annular BOP ▪ Slip-Type Rams (Bi-Directional) ▪ Pipe Rams ▪ Pipe Rams ▪ Shear-Blind Rams ○ Drill 12 1/4" hole section to 6,690' in preparation for running 9 5/8" casing <ul style="list-style-type: none"> ▪ **NOTE** Field No. 1 cavern may be encountered prior to reaching this depth. If cavern is encountered lost circulation is expected. ○ Directional tools will be used for deviation control <ul style="list-style-type: none"> ▪ Maintain deviation < 1 Degree • Run open-hole logging suite as per WVDEP requirements • Set 9-5/8" Production Casing and cement up to 1,000' <ul style="list-style-type: none"> ○ Target production casing set depth of 6,682' (10' below projected top of Salina F4 1st Salt) <ul style="list-style-type: none"> ▪ ACP and DV tool set directly above production casing shoe ▪ Confirm set depth with engineer ▪ Review caliper log to ensure ACP is being set in competent formation and hole ▪ **NOTE** While drilling 12 1/4" hole, if cavern is encountered at a depth shallower than the proposed target 9 5/8" casing set depth, then casing will be set as deep as possible above the cavern. ACP and DV tool will allow for 9 5/8" to be cemented if the drilled hole is exposed to the cavern. • Install "B" section of the wellhead • Run cased hole logs <ul style="list-style-type: none"> ○ Cement bond log ○ Multi-finger caliper log ○ Magflux thickness log • Drill out 9 5/8" shoe track with 8 1/4" drill bit and 10.0 ppg brine <ul style="list-style-type: none"> ○ Prior to drilling through float shoe perform pressure test of 9 5/8" casing • Continue drilling 8 1/4" hole until entry into cavern is achieved. <ul style="list-style-type: none"> ○ The well target drilled total depth is the top of Field No. 1 cavern (depth not discretely known / TBD) <ul style="list-style-type: none"> ▪ Estimated total depth and base of Field No. 1 cavern is 6,796' (which is also the estimated base of the Salina F4 1st salt) ▪ Total proposed permitted depth of this well is 6,796' • Install final wellhead assembly, rig down drilling rig, clean location, release well to Westlake 							
PREPARED BY	DATE	REVISED BY	DATE	APPROVED BY	DATE		
PJS	10/16/2023	RCH	10/26/2023				
Lonquist Field Service, LLC							
Texas Registered Firm No: F-9147							

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WV Department of
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WW-2A
(Rev. 6-14)

1). Date: December 12, 2023
 2.) Operator's Well Number #101 Brine Well
 State _____ County _____ Permit _____
 3.) API Well No.: 47- 051 _____

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

4) Surface Owner(s) to be served:
 (a) Name Eagle Natrium, LLC
 Address 15696 Energy Road
Proctor, WV 26055
 (b) Name _____
 Address _____
 (c) Name _____
 Address _____

6) Inspector D. Scott Mills
 Address 15696 Energy Road
Proctor, WV 26055
 Telephone _____

5) (a) Coal Operator
 Name N/A: Eagle Natrium Owns Surface
 Address _____
 (b) Coal Owner(s) with Declaration
 Name N/A
 Address _____
 Name _____
 Address _____
 (c) Coal Lessee with Declaration
 Name N/A
 Address _____

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

OR

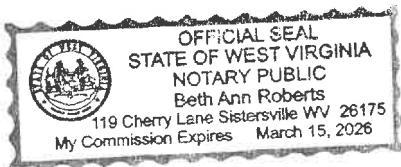
Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)
 I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties by:

Personal Service (Affidavit attached)
 Certified Mail (Postmarked postal receipt attached)
 Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

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, 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 N/A 
 By: _____
 Its: _____
 Address: _____
 Telephone: _____
 Email: _____

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WV Department of
Environmental Protection

Subscribed and sworn before me this 29th day of December, 2023

N/A Beth Ann Roberts
 My Commission Expires March 15, 2026

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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 depprivacyofficer@wv.gov

01/30/2026

4705102513B

WW-2A Surface Waiver
(4/16)

SURFACE OWNER WAIVER

County 051

Operator

Operator well number

EAGLE NATRUM, LLC
BW - 101

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

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

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIFTEEN (15) 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.

Comments must be in writing. Your comments must 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.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons;
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through including a work order on Form WW2-B, a survey plat, WW-9, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

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.

FOR EXECUTION BY A NATURAL PERSON


Signature
D. Scott Mills

Print Name

FOR EXECUTION BY A CORPORATION, ETC.

Date 01/04/2021 / Name
Company
By
Its

EAGLE NATRUM, LLC
D. SCOTT MILLS
AGENT

Date

Signature

Date

01/30/2026

4705102513B

WW-2A Surface Waiver
(4/16)

SURFACE OWNER WAIVER

County 051

Operator

Operator well number

EAGLE NATRIUM, LLC
#101 Brine Well

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

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

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Comments must be in writing. Your comments must 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.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through ___ including a work order on Form WW2-B, a survey plat, WW-9, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

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.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Signature _____ Date _____

Company
Name _____
By _____
Its _____
N/A; Eagle Natrium Owns Surface

RECEIVED _____ Date _____
Office of Oil and Gas

Print Name

Signature _____ Date _____
WV Department of
Environmental Protection

01/30/2026

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County MARSHALL Operator's Well Number #101 Brine Well
Operator N/A

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by WV Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office. Mail objections to:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 extension 1654

WAIVER

The undersigned coal operator _____/ owner _____/ lessee _____/ of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

RECEIVED
Office of Oil and Gas

JAN 02 2024

WV Department of
Environmental Protection

01/30/2026

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6, Section 8(d)
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:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Eagle Natrium, LLC owns all surface rights	for the location of #101 Brine Well		1026/467

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Office of Oil and Gas
JAN 29 2024

WV Department of
Environmental Protection

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

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

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

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

Well Operator:
By Its:

EAGLE Natrium LLC
D. Scott Mills
Agent

4705102513B

WW-2B1
(5-12)

Well No. N/A

West Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name N/A
Sampling Contractor _____

Well Operator No wells within 2,000 ft
Address _____

Telephone _____

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

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Office of Oil and Gas

JAN 02 2024

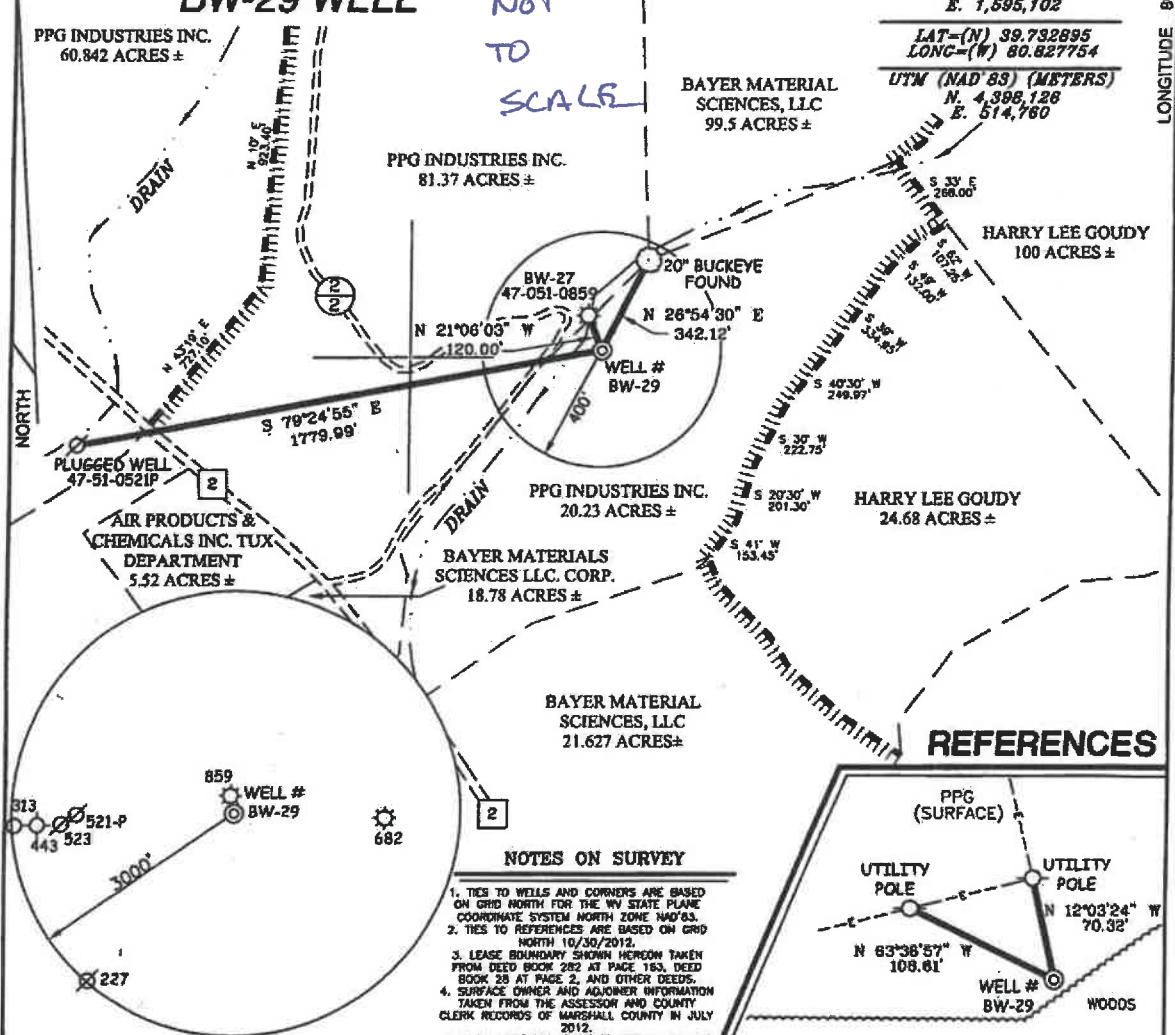
WV Department of
Environmental Protection

01/30/2026

PPG INDUSTRIES BW-29 WELL

PPG INDUSTRIES INC.
60.842 ACRES ±

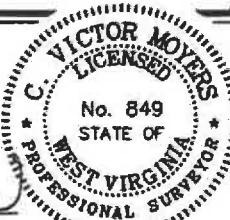
NOT
TO
SCALE



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
THE REGULATIONS ISSUED AND PRESCRIBED
BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.
849

C. Victor Moyers



MINIMUM DEGREE
OF ACCURACY

1/200

FILE NO. 7854P1R (407-69)

PROVEN SOURCE
OF ELEVATION

DGPS (SURVEY GRADE)

SCALE 1" = 500'

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

DATE OCTOBER 30 20 12

OPERATORS WELL NO. WELL No. BW-29

API WELL NO. 47 - 051 - 01583M
STATE COUNTY PERMIT
REVISED

STATE OF WEST VIRGINIA

DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS



WELL BRINE & LIQUID WASTE IF
TYPE: OIL GAS INJECTION X DISPOSAL "GAS" PRODUCTION STORAGE DEEP X SHALLOW

LOCATION:

ELEVATION 780' EXISTING 774' PROPOSED WATERSHED TRIBUTARY OF OHIO RIVER

DISTRICT FRANKLIN COUNTY MARSHALL QUADRANGLE NEW MARTINSVILLE 7.5'

SURFACE OWNER PPG INDUSTRIES, INC. ACREAGE 20.23±

ROYALTY OWNER PPG INDUSTRIES, INC. LEASE ACREAGE

PROPOSED WORK: LEASE NO.

DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD

FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION SALINA

ESTIMATED DEPTH 7,000'

WELL OPERATOR PPG INDUSTRIES, INC. DESIGNATED AGENT J. THOMAS HORAN

ADDRESS WV RT. 2, P.O. BOX 191 ADDRESS WV RT. 2, P.O. BOX 191

NEW MARTINSVILLE, WV 26155

NEW MARTINSVILLE, WV 26155

01/30/2026

4705102513B

OFF SET WELL

JS ✓

WR-35
Rev (8-10)State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well WorkDATE: May 22, 2013
API #: 47-051-01583

Farm name: PPG Industries, Inc. Operator Well No.: #29 Brine Well

LOCATION: Elevation: 774.0 ft. Quadrangle: New Martinsville, WV

District: Franklin	County: Marshall
Latitude: 40.300	Feet South of 32 ^o Deg. 45' Min. 00' Sec.
Longitude 102.215	Feet West of 80 ^o Deg. 47' Min. 30' Sec.

Company:

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
PPG Industries, Inc., N. St. Rt. 2, New Martinsville, WV 26155	30" A 53	6 ft.	6 ft.	300
Agent: J. Thomas Horan	20" J-55	203 ft.	203 ft.	432
Inspector: Carl McCune	13-3/8" K-55	2184 ft.	2184 ft.	2140
Date Permit Issued: September 12, 2012	9-5/8" L-80	6383 ft.	6383 ft.	2118
Date Well Work Commenced: Feb. 2, 2013	7" L-80	1800 ft.	1800 ft.	Not applic.
Date Well Work Completed: March 25, 2013				
Verbal Plugging: Not Applicable				
Date Permission granted on: Not Applicable				
Rotary X Cable Rig				
Total Vertical Depth (ft): 6978 ft.				RECEIVED
Total Measured Depth (ft): 11,100 ft.				Office of Oil & Gas
Fresh Water Depth (ft): 1800 ft.				
Salt Water Depth (ft): 6873 ft. (rock salt)				DEC 3 2013
Is coal being mined in area (N/Y): N				
Coal Depths (ft.):				WV Department of
Void(s) encountered (N/Y) Depth(s)				Environmental Protection

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Not Applicable Pay zone depth (ft)

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation Not Applicable Pay zone depth (ft)

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure _____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the 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.


Signature

5/22/13
Date

4705102513 B

OFFSET WELL

51-01583

Were core samples taken? Yes No

Were cuttings caught during drilling? Yes No

Were $\frac{Y}{Y/N}$ Electrical, $\frac{N}{X/N}$ Mechanical, $\frac{N}{Y/N}$ or Geophysical logs recorded on this well?

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Perforation, fracturing, and stimulating not performed. Log for geological record not performed.

Formations Encountered: _____ **Top Depth** _____ / **Bottom Depth** _____
Surface: _____

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name EAGLE NATRIUM LLC OP Code 39600

Watershed (HUC 10) OHIO RIVER Quadrangle NEW MARTINSVILLE

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

*ANY WELL EFFLUENT MUST BE CONTAINED IN
TANKS AND DISPOSED OF PROPERLY, OFF-SITE.*

gnm

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 (if selected provide a completed form WW-9-GPP)

Underground Injection (UIC Permit Number _____)

Reuse (at API Number _____)

Off Site Disposal (Supply form WW-9 for disposal location)

Other (Explain *A PIT WILL NOT BE UTILIZED*)

Will closed loop system be used? If so, describe: DEWATERING SYSTEM

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. AIR, BRINE, BRINE MUD

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium?

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? QUALA (ENVIRO CLEAN) FACILITY EPA ID# 987000783,

SHORT CREEK LANDFILL, PERMIT # SWF-1034/WV0109517

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 April 1, 2016, 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 aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

RECEIVED
Office of Oil and Gas

Company Official Signature Beth Ann Roberts JAN 09 2024

Company Official (Typed Name) D. SCOTT MILLS

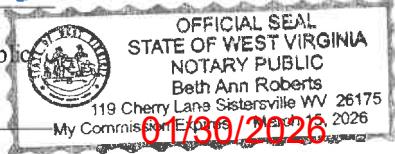
Company Official Title WV Department of
Environmental Protection

Subscribed and sworn before me this 29th day of December, 2023

Beth Ann Roberts

My commission expires March 15, 2026

Notary Public



Proposed Revegetation Treatment: Acres Disturbed 0 Acres Prevegetation pH _____Lime N/A Tons/acre or to correct to pH _____Fertilizer type N/AFertilizer amount N/A lbs/acreMulch N/A Tons/acre**Seed Mixtures****Temporary****Permanent**

Seed Type lbs/acre
The disturbed asphalt will be repaired
upon completion of the well for
future maintenance access.

Seed Type lbs/acre
The disturbed asphalt will be repaired
upon completion of the well for
future maintenance access.

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, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

Comments: The following documents are enclosed with this application:

Well Plat (mylar)

Topography Map

Proposed well configuration

Adjacent Brine Well Lithology log

Well Pad Location and Access Road

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Office of Oil and Gas

JAN 02 2024

Title: Scott Deems

Date: 12/14/2023

WV Department of
Environmental Protection

Field Reviewed? (X) Yes () No

Inside PLANT FENCE

01/30/2026

4705102513B



15696 Energy Road
Proctor, WV 26055
Tel 304-451-3797 ■ Fax 304-455-2422
dmills1@Westlake.com

January 9, 2024

Certified Mail Return Receipt Requested

Mr. James Martin, Chief
WV Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304-2345

RECEIVED
Office of Oil and Gas

JAN 29 2024

WV Department of
Environmental Protection

Dear Mr. Martin:

**Subject: Revised Forms for Permit Application for Well No. 101,
API Well Number 47-051-xxx (TBD)**

Please find attached, the updated forms per our recent discussion. Additionally, the proposed Brine Well #101 is to be located inside the existing operating facility located at the address on the application. The tract of land upon which the Well Application is tendered is described in the attached Form WW-2A1, and the impacted area has been calculated to be 0.92 acres during construction activities.

In regards to the naming convention of the application, this facility operates under an existing Underground Injection Control Permit No. UIC3S05101AP issued to Eagle Natrium LLC in 2018. On July 6, 2022, an application for reissuance of the permit was submitted to the DEP. Afterwards, on January 4, 2023, the facility received from the DEP an Issued Order 2023-UIC-1 allowing operation under the expiring permit as the DEP acts on the application for reissuance.

Our name change documentation was available to the facility at the end of the 2022 year, after the application was entered. The Natrium facility has reached out to the different contacts for each program regulating activities/permits for our facility and continue to make those name changes. In regards to the UIC Permit, a name change while in reissuance on complicates matters since the application, the permit, and the issued order need to be consistent. As Natrium awaits action on the UIC Permit reissuance, additional plans are in place to act on the need for wells. In order to maintain the consistency of the permit, the application, the issued order, and the changes in well status, concurrent with the DEP acting on the reissuance, the name Eagle Natrium LLC was maintained. Our name change is simply that, a change in name. The name change is not a change in ownership or operation, simply a name change. Discussions with the DEP acting on the UIC Permit application and the Brine Well #101 construction request ended with a consensus that the consistent use of the Eagle Natrium LLC name would maintain consistency until the UIC Permit is reissued. After reissuance, a name change to update the name on the permit would then correct the matter.

If you have any questions, please call Mr. Steve Clark at (304) 451-3881.

Sincerely,

D. Scott Mills, P.E., BCEE
Manager – Environmental

Enclosures

01/30/2026

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

Operator Name: Eagle Natrium, LLCWatershed (HUC 10): Ohio River Quad: New MartinsvilleFarm Name: Westlake Natrium, LLC

1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

N/A

Closed loop system with containment to be utilized (A pit will not be utilized).

2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

Closed loop system with containment to be utilized.

Temporary containment will be installed around all equipment and the perimeter of the well pad during drilling and completion operations.

3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

Ohio River (<1/4 mile)

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Office of Oil and Gas

JAN 02 2024

WV Department of
Environmental Protection

4. Summarize all activities at your facility that are already regulated for groundwater protection.

The Westlake Natrium Plant is a NPDES regulated facility for discharge into the Ohio River (Permit No. WV 0004359). The plant is also covered by the WV AST Rule (Regulation No. 2014-0002939).

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

The groundwater at the Westlake Natrium Plant is contaminated due to historical operations. The plant is covered under a Corrective action permit (No. WVD004336343).

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

No waste material will be used for de-icing or fill material on the property.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

Supervisor will provide training to employees discussing the requirement to prevent groundwater contamination. Training to include spill containment requirement for all oils and fuels.

8. Provide provisions and frequency for inspections of all GPP elements and equipment.

24/7 supervision will be required during all drilling operations. On-going inspections will be performed to prevent groundwater contamination.

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Office of Oil and Gas
JAN 09 2024

Signature: N/A SG 1

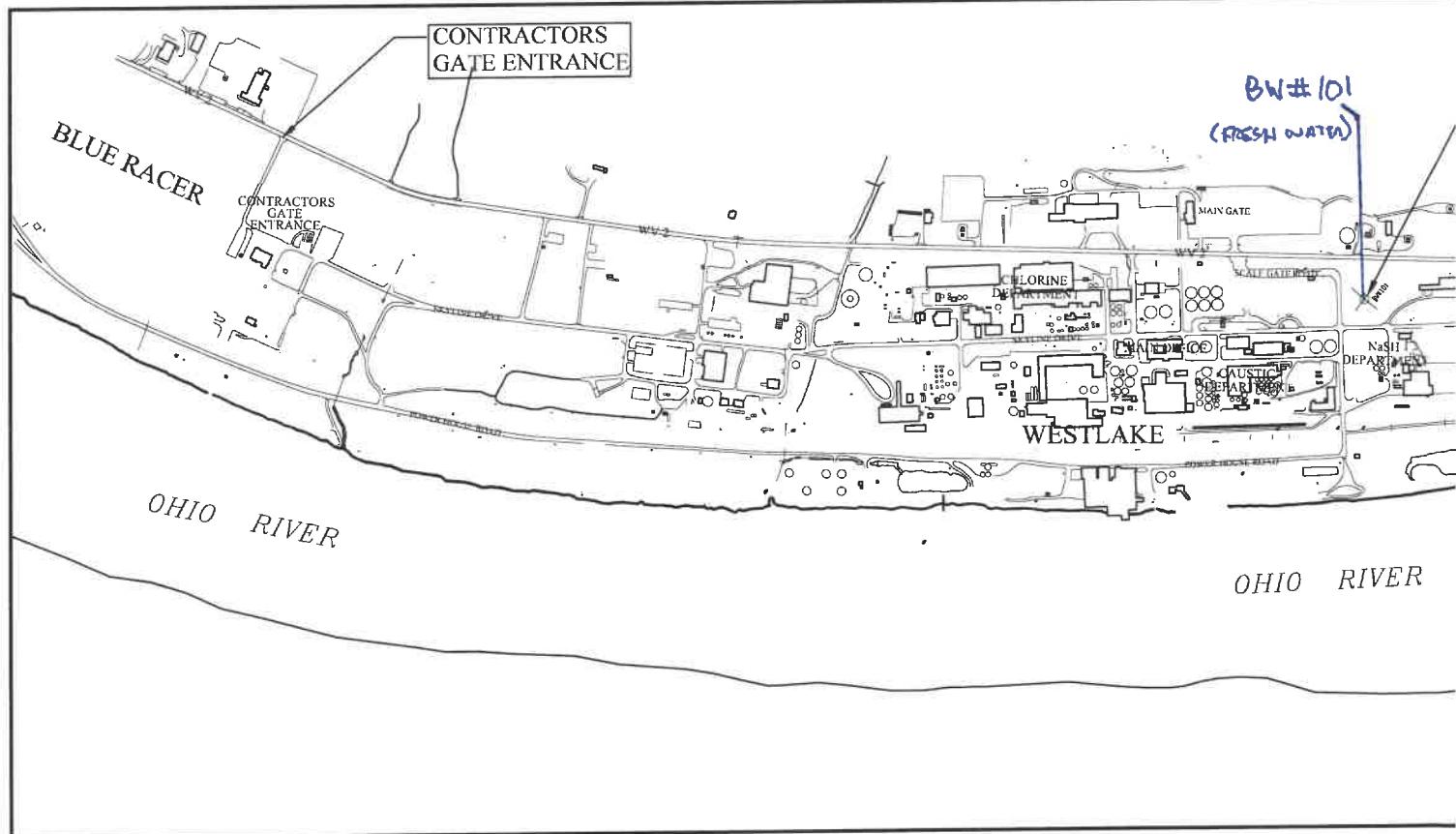
WV Department of
Environmental Protection

Date: 12/24/2023

01/30/2026

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WELL PAD LOCATION & ACCESS ROAD 1/2

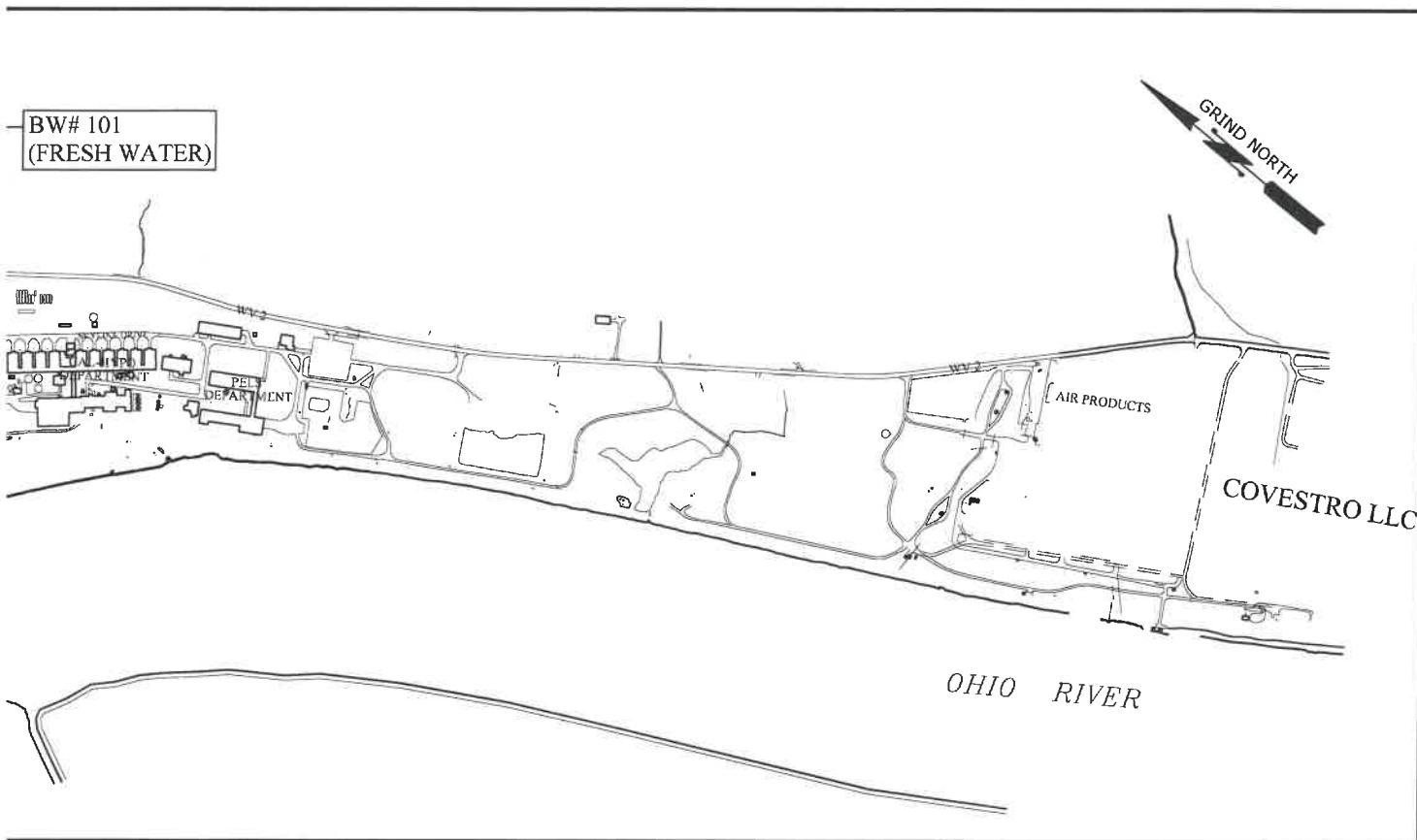


PLAN
SCALE:

01/30/2026

Well Pad Location

2/2



VIEW

REV.	DATE	DESCRIPTION	

DEPT: 50 - GENERAL		
TITLE: BRINE WELL# - 101		
SITE PLAN		
DRAWING TYPE: GENERAL ARRANGEMENT	(GAP)	
EQUIPMENT No:		
 Westlake NATRIUM	DRAWN: DWS	DATE 10/17/23
	CHECKED: SAC	DATE 10/17/23
	APP'D: SAC	DATE 10/17/23
	SCALE: N. T. S.	ACAD YES
JOB No		REV
DWG 50-0351		01/30/2026

ADJACENT BRINE WELL LITHOLOGY 51.01583

Sheet No. 1 of 2

7/1/59

GEOLGIC DATA FOR COLUMBIA-SOUTHERN CHEMICAL CORPORATION'S
 BRINE WELLS - No. 8 & No. 9
 FRANKLIN DISTRICT, MARSHALL COUNTY, MARIUM, WEST VIRGINIA

↓
 GRADE: 433'

ERA	SYSTEM	SERIES OR GROUP	FORMATION OR MEMBER	KLEV. WELL NO. 8	KLEV. WELL NO. 9
Cenozoic	Quaternary	Recent	(Alluvium)	0- 79	0- 60
				79-T.D.	60-T.D.
Paleozoic				79-1246	60-1250
	Pennsylvanian			79- 246	60- 256
		Mononghelia		165- 167	164- 167
			Swickley Coal	240- 246	250- 256
			Pittsburgh Coal	246- 780	256- 785
		Conemaugh		478- 481	469- 487
			Ames Lime	502- 541	495- 528
			Saltsburg Sd. (Cow Run)	742- 763	735- 753
			Mahoning Lime	780-1051	785-1035
	Allegheny			Absent	Absent
			Upper Freeport Coal	795- 806	797- 803
			Upper Freeport Lime	850- 7	845-(Horizon)
			Lower Freeport Coal	Absent	882- 884
			Upper Kittanning Coal	1010	1023
			Lower Kittanning Coal (Horizon)	1051-1246	1035-1252
	Pottsville			1051-1074	1035-1050
			Hanwood Sand	1107-1120	1109-1115
			Conocoquassing Sand	1246-1966	1252-1960
	Mississippian				
	(These are affected by an unconformity in (Northern W.Va. & Western (Penns.)	(St. Genevieve	Mauch Chunk	1286-1391	1292-1387
			(Greensbrier Lime (Loyalhanna Lime & Sand	1286-1327 1327-1391	1292-1321 1321-1376

ADJACENT BEING WALL LITHOLOGY.

51-01583

Sheet No. 2 of 2

ERA	SYSTEM	SERIES OR GROUP	FORMATION OR MEMBER	ELEV.	ELEV.
				WELL NO. 8	WELL NO. 9
		Burlington		1391-1945	1378-1955
			Peconic Formation	1391-1966	1378-1960
			Weir Sand	1764-1800	1758-1768
			Berea Sand	1945-1966	1955-1960
		Devonian			
		Upper	(Venango-Gatshill (Chemung (Portage	1966-2590 ? 2590 ? -	1960-2576 ? 2576 ? -
		Middle	(Genesee (Hamilton (Marcellus) (Tioga Bentonite (Oncedaga Lime	? 4435-5245 5245-5818 5815 5818-6042	4430 ? 4430-5236 ? 5820 5821-6040
		Lower	(Oriskany Sand (Helderburg Lime	6042-6109 6109-6397	6040-6119 6119-6406
		Silurian		6397-T.D.	6406-T.D.
		Cayugan		6397-T.D.	6406-T.D.
			Tonoloway Lime	6397-6497	6406-6507
			Salina Formation	6497-T.D.	6507-T.D.
			Salt	6715-6762	6720-6746
				6771-6783	6753-6776
				6785-6814	6780-6810
				T.D.-6818	6816-6826
					6834-6837
					T.D.-6840

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Oil&Gas

Wells, Horizontal Only

WellStatus

- Active Well
- Permit Issued
- Permit Application
- Plugged

Wells, Active Status Only

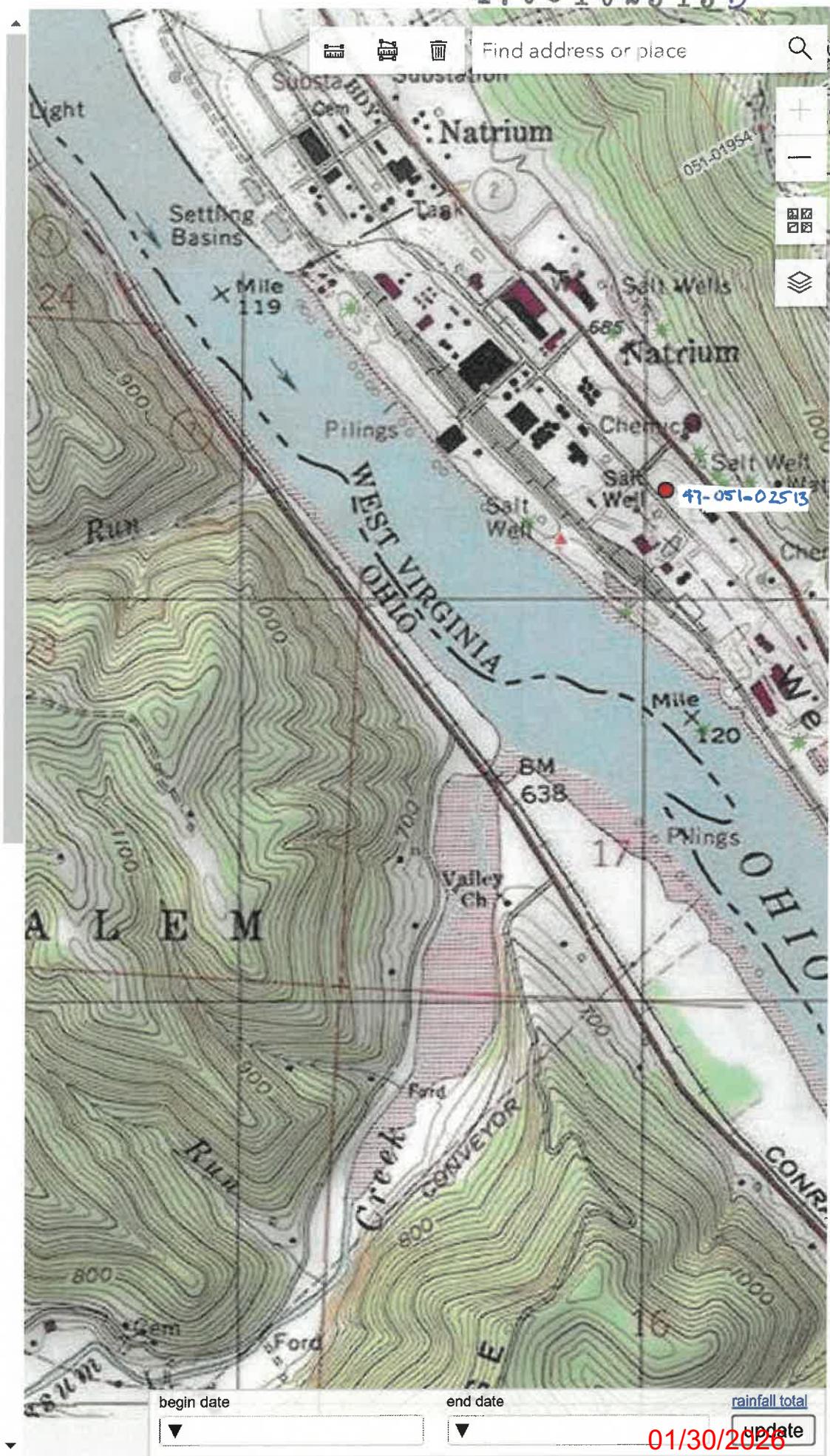
WellUse

- △ Brine Disposal
- ✖ Fluid Injection
- Gas Production
- House Gas
- Observation
- Oil Production
- Production
- ▲ Solution Mining
- ◆ Storage
- Vent
- <all other values>

Wells, Other than Active Status

WellUse

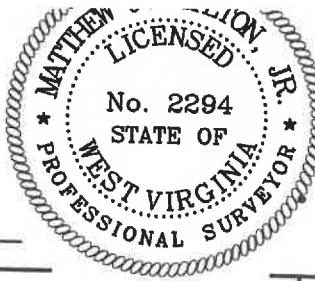
- △ Brine Disposal
- ✖ Fluid Injection
- Gas Production
- House Gas
- Observation
- Oil Production
- Production
- Solution Mining



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
THE REGULATIONS ISSUED AND PRESCRIBED
BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.
2294

Matthew J. Miller Jr.



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

DATE MARCH 26, 20 24

REVISED _____, 20 _____

OPERATORS WELL NO. BW 101

API WELL NO. 47 - 051 - 02513B

STATE COUNTY PERMIT

MINIMUM DEGREE
OF ACCURACY

1 / 2500

FILE NO. 9450-WESTLAKE-BW101-MRH-20230915.DWG

HORIZONTAL & VERTICAL
CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK)

WELL TYPE: OIL GAS INJECTION DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP X SHALLOW

LOCATION: GROUND

ELEVATION 648'

WATERSHED OHIO RIVER

DISTRICT FRANKLIN

COUNTY MARSHALL

QUADRANGLE NEW MARTINSVILLE 7.5'

SURFACE OWNER EAGLE NATRIUM, LLC

ACREAGE 456.62± (TOTAL) 403.636 ± (NET)

ROYALTY OWNER EAGLE NATRIUM, LLC

ACREAGE _____

LEASE NO. _____

PROPOSED WORK:

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD
FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION SALINA
ESTIMATED DEPTH 6700' - 6800'

WELL OPERATOR EAGLE NATRIUM, LLC

DESIGNATED AGENT D. SCOTT MILLS

ADDRESS 15696 ENERGY ROAD

ADDRESS 15696 ENERGY ROAD

PROCTOR, WV 26055

PROCTOR, WV 26055



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

COUNTY NAME

PERMIT

01/30/2026

4705102513 B



15696 Energy Road
Proctor, WV 26055
Tel 304-451-3797 ■ Fax 304-455-2422
dmills1@Westlake.com

April 10, 2024

Certified Mail Return Receipt Requested

Mr. Jeffrey W. McLaughlin
WVDEP / Office of Oil and Gas / Permitting
601 57th Street SE
Charleston, WV 25304-2345

Dear Mr. McLaughlin:

**Subject: Updated Mylar drawing for Non-Horizontal Operator's Well No. 101,
API Well Number 47-051-xxx (TBD)**

Please find attached, the updated Mylar drawing reflecting the details as discussed with Westlake staff and project contractors. This drawing should replace the previously submitted plat as part of the well application packet.

If you have any questions, please call Mr. Steve Clark at (304) 451-3881, or myself through the above contact information.

Sincerely,



D. Scott Mills, P.E., BCEE
Manager – Environmental

Enclosure

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Office of Oil and Gas

APR 15 2024

WV Department of
Environmental Protection

01/30/2026

4705102513B



15686 Energy Road
Proctor, WV 26065
Tel 304-451-3797 Fax 304-455-2422
dmills1@Westlake.com

December 29, 2023

Certified Mail Return Receipt Requested

Mr. James Martin, Chief
WV Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304-2345

Dear Mr. Martin:

**Subject: Permit Application for New Non-Horizontal Operator's Well No. 101,
API Well Number 47-051-xxx (TBD)**

Please find attached, the required completed forms and associated documents for application for a permit to install a new non-horizontal brine well (referenced as Operator Well No. 101). The well will be located at the Westlake Natrium facility (aka Eagle Natrium LLC, Natrium Plant) within the fence line.

Included with the application is a check for the application fee in the amount of \$900,00.

If you have any questions, please call Mr. Steve Clark at (304) 451-3881.

Sincerely,

D. Scott Mills, P.E., BCEE
Manager – Environmental

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Office of Oil and Gas

Enclosures

JAN 03 2024

WV Department of
Environmental Protection

CK# 110512041

900⁰⁰
12/18/2023

01/30/2026