

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 27, 2024 WELL WORK PERMIT Horizontal / Re-Work

EAGLE NATRIUM LLC 15696 ENERGY RD., STATE RT 2

PROCTOR, WV 26055

Re:

Permit approval for BW-14 47-051-01919-00-00

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: BW-14

Farm Name: EAGLE NATRIUM, LLC

U.S. WELL NUMBER: 47-051-01919-00-00

Horizontal Re-Work

Date Issued: 6/27/2024

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.

WW-3B (Rev. 1/24)



1) API Well No. 47 - <u>051</u> - <u>019</u>19 2) UIC Permit No. 3) Operator's Well Name/No. Brine Well #14
4) Date: May 14, 2024

RECEIVED Office Of Oil and Gas

MAY 28 2024

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL & GAS **UIC WELL WORK PERMIT APPLICATION**

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Environ	Departmental I	=1.1	TVDE

UBLIES.
5) WELL TYPE: Class 1 (Hazardous or Non-Hazardous Waste) Class 2D (Oil/Gas Waste Disposal)
☐ Class 2R (Secondary Recovery)
□ Deep □Shallow
6) LOCATION: County Marshall District: Franklin Quadrangle: New Martinsville
Watershed: Ohio River Surface Elevation: 643 ft.
7) WELL OPERATOR: Eagle Natrium, LLC 8) DESIGNATED AGENT D. Scott Mills, P.E.
Address 15696 Energy Road Address Proctor WV, 26055
9) OIL & GAS INSPECTOR TO BE NOTIFIFIED 10) DRILLING CONTRACTOR
Name Strader Gower Name Viking Well Servicing
Address 2525 West Alexander Road Address 64201 Wintergreen Rd,
Valley Grove, WV 26060 Lore City, OH 43755
11) PROPOSED WELL WORK: ☐ New Drill ☐ Drill Deeper ☐ Redrill ☐ Stimulate 💆 Convert
□ Plug off old formation □ Perforate new formation
Other physical change in well (specify) Install 2 3/8" Dilluter String
12) GEOLOGIC TARGET FORMATION Salina Salt Depth 6707 Feet (top) to 6,812 Feet (bottom)
13) Estimated Depth of Completed Well, (or actual depth of existing well): 8,810 MD Feet
14) Approximate water strata depths: Fresh 12 Feet Salt 6.707 Feet
15) Is coal being mined in the area? Yes XNo Approximate coal seam depths: 274', 873', 948', 1026', 1048', 1292', 1554'
16) Approximate void depths (coal, karst, other)None
17) Virgin reservoir fracture pressure N/A psig. Estimated reservoir fracture pressure N/A
18) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour N/A bbl. Bottom hole pressure N/A
19) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES:
N/A
20) FILTERS (if applicable) N/A 23) CATHODIC PROTECTION N/A
21) DESCRIBE PROPOSED WELL WORK AND FRACTURING METHODS IN DETAIL (attach additional sheets)
The proposed scope of work consists of completing de-pressurized operations on BW #14 to inspect the 9 5/8" casing, perform a MIT on
the 9 5/8" casing, and install a 2-3/8" tubing (dilution) string.

22) CASING AND TUBING PROGRAM

TYPE		PIPE SPECIFICATIONS				FOOTAGE INTERVALS				
	Size	Grade	Weight per ft.	New	Used	Used for Drilling	Left in Well	Cement Fill (Cu.Ft.)	Packers	
Conductor	26"	N/A	N/A	Х		97'			Kinds	
Fresh Water	20"	J-55	94#	Х		308'				
Coal	13 3/8"	J-55		Х		2,123'			Sizes	
Intermediate										
Production	9 5/8"	HCL-80		X		6,182'			Depth Set	
Tubing	7"	L-80		Х		1,698'				
Liners									Perforations	
Diluter	2 3/8"	L-80		Х		6,250'			Тор	
									Bottom	

23) APPLICANTS OPERATING RIGHTS for the propos	and activity were apprized from
by dee	d ☐ lease ☐ other contract ☐ dated
record in the Marshall	County Clerk's office in WV Book 1026Page 467
24) SIGNATURE: I certify under penalty of law that all t	ng information submitted above is true and correct to the
best of my knowledge.	Date: 5/14/24
1-00	

WW-3B (Rev. 1/24)



1) API Well No. 47 - <u>051</u> - <u>01919</u> 2) UIC Permit No.

3) Operator's Well Name/No. Brine Well #144) Date: May 14, 2024

RECEIVED Gas

MAY 28 2024

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL & GAS **UIC WELL WORK PERMIT APPLICATION**

WV Department of Protection Environmental Protection	
ENVIOLENT TYPE	

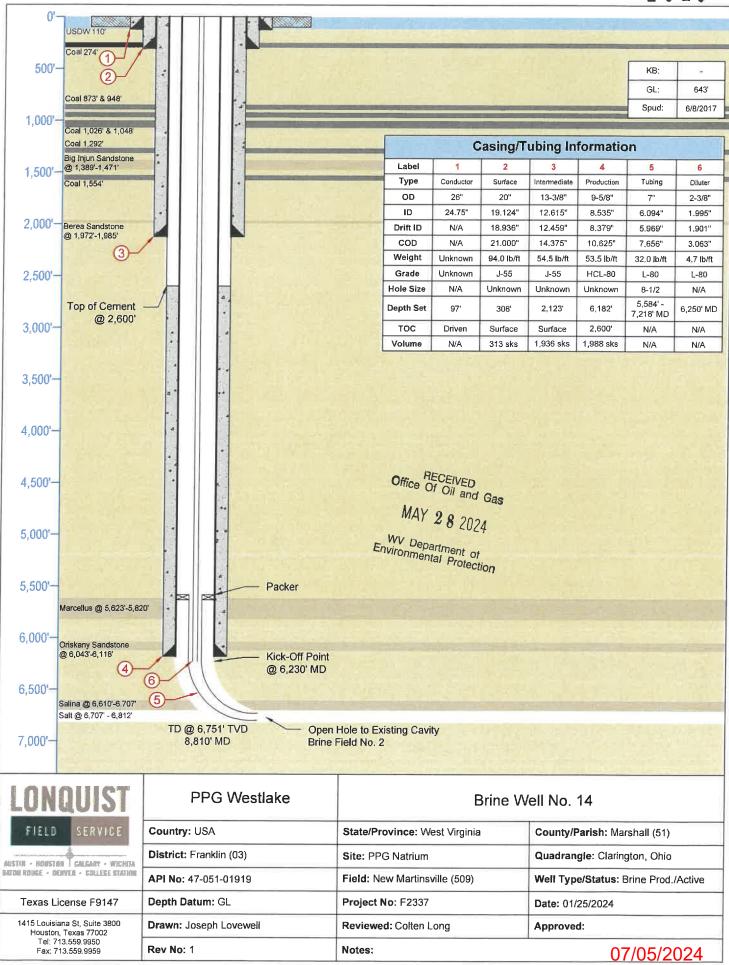
litto	
5) WELL TYPE: Class 1 (Hazardous or Non-Hazardous Waste)	☐ Class 2D (Oil/Gas Waste Disposal)
☐ Class 2R (Secondary Recovery) ☐ Class 3 (Solution Mining)	☐ Class 6 (Carbon Sequestration)
☐ Deep ☐ Shallow	
6) LOCATION: County Marshall District: Franklin	Quadrangle: New Martinsville
Watershed: Ohio River Surface Eleva	ation: 643 ft.
	GENT_D. Scott Mills, P.E.
	tor WV. 26055
9) OIL & GAS INSPECTOR TO BE NOTIFIFIED 10) DRILLING CONTR	
Name Strader Gower Name Viking V	
	Wintergreen Rd.
	ity, OH 43755
11) PROPOSED WELL WORK: ☐ New Drill ☐ Drill Deeper ☐ Redrill	
☐ Plug off old formation ☐ Perforate r	new formation
Other physical change in well (specify) Install 2 3/8" Dilluter String	1
	6707Feet (top) to 6,812Feet (bottom)
13) Estimated Depth of Completed Well, (or actual depth of existing well):	8.810 MD Feet
14) Approximate water strata depths: Fresh 12 Feet Salt 6.7	07 Feet
15) Is coal being mined in the area? Yes No Approximate coal se	eam depths: 274', 873', 948', 1026', 1048', 1292', 155
16) Approximate void depths (coal, karst, other) None	
17) Virgin reservoir fracture pressure N/A psig. Estimated reservoir frac	cture pressure N/A
18) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour_	N/A bbl. Bottom hole pressure N/A
19) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCL. N/A	LUDING ADDITIVES:
20) FILTERS (if applicable) N/A 23) CATHODIC P	PROTECTION N/A
21) DESCRIBE PROPOSED WELL WORK AND FRACTURING METHODS	S IN DETAIL (attach additional sheets)
The proposed scope of work consists of completing de-pressurized operations on B	BW #14 to inspect the 9 5/8" casing, perform a MIT on
the 9 5/8" casing, and install a 2-3/8" tubing (dilution) string.	

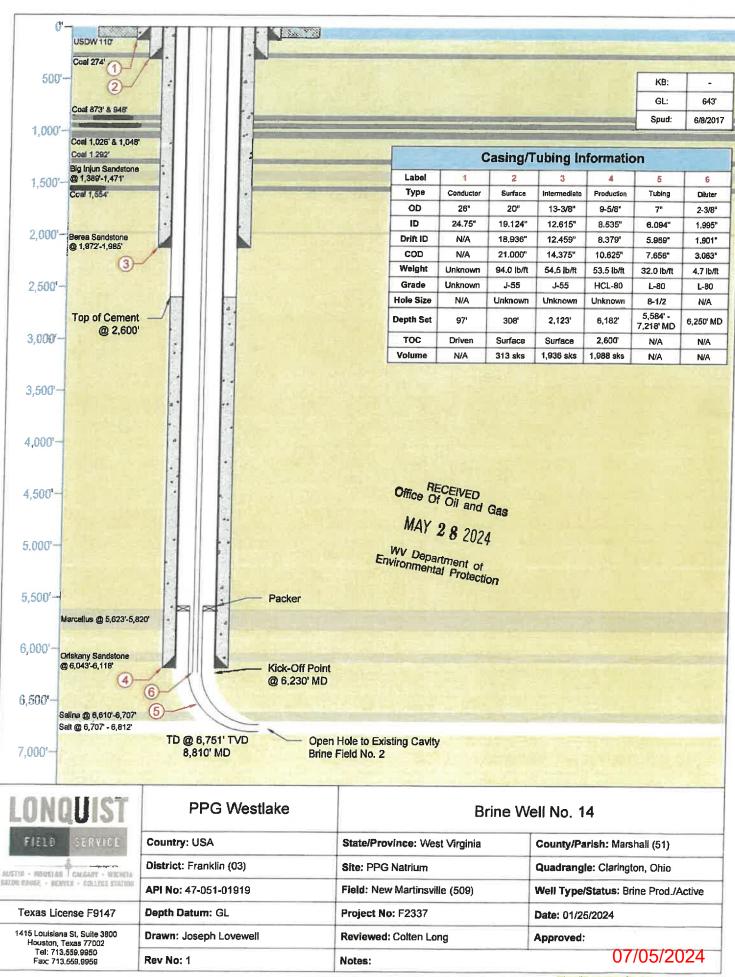
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CASING AND TUBING PROGRAM

TYPE		PIPE SPECIFICATIONS					AGE INT		
	Size	Grade	Weight per ft.	New	Used	Used for Drilling	Left in Well	Cement Fill (Cu.Ft.)	Packers
Conductor	26"	N/A	N/A	Х		97'			Kinds
Fresh Water	20"	J-55	94#	Х		308'			
Coal	13 3/8"	J-55		Х		2,123'			Sizes
Intermediate									
Production	9 5/8"	HCL-80		Х		6.182'			Depth Set
Tubing	7"	L-80		Х		1.698'			
Liners									Perforations
Diluter	2 3/8"	L-80		X		6,250'			Тор
									Bottom

23) APPLICANTS OPERATING	RIGHTS for the proposed activity were acquired from
	by deed 反 lease ☐ other contract ☐ dated 12/21/2018 of
record in the Marshall	County Clerk's office in WV Book 1026Page 467
24) SIGNATURE: I certify under	penalty of law that all the information submitted above is true and correct to the
best of my knowledge.	Date: 5/14/24
	1-0 01X





6/25/24 . Structer Granes

ww-2A (Rev. 6-14)

RECEIVED
Office Of Oil and Gas

MAY 28 2024

WV Department of Environmental Protection 1). Date:

May 1, 2024

2.) Operator's Well Number

State

County

Permit

3.) API Well No.:

47-

051 - 01919

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

4) Surfac	ce Owr	ner(s) to be served:		5) (a) Coal Ope	erator
(a) Na		Eagle Natrium, L		Name	
Àddre		15696 Energy Ro		Address	4
		Proctor, WV 260			
(b) Na	ame			(b) Coal Ov	vner(s) with Declaration
Addre				Name	N/A
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				 Address	
(c) Na	ame			Name	
Addre		-		Address	
7 (00.0				_	
6) Inspec	tor	Strader Gower		(c) Coal Le	ssee with Declaration
Addre		2525 West Alexa	inder Road	Name	N/A
, , , , ,		Valley Grove, W		Address	
Teleph	none			_	
•		TO THE P	ERSONS NAI	MED ABOVE TA	AKE NOTICE THAT:
Includ	ed is th	e lease or leases or o	ther continuing	contract or contra	cts by which I hold the right to extract oil and gas
OR					
Includ	ed is th	e information require	d by Chapter 22	, Article 6, Section	n 8(d) of the Code of West Virginia (see page 2)
lo	certify the	nat as required unde	r Chapter 22-6	of the West Virgin	nia Code I have served copies of this notice and
application	n, a loca	tion plat, and accom	canying docume	ents pages 1 throu	gh on the above named parties by:
		Personal Service	e (Amidavit attac	al receipt attached	4)
		Publication (Not	ice of Publicatio	ai receipt attachet in attached)	<i>1)</i>
l h		Publication (Not	panter 22-6 and	135 CSR 4 and I	agree to the terms and conditions of any permit
		application.	iapici 22-0 diso	100 001t 1, unu .	- agree to the terms and a series of the green agree of the green agre
1.0	ertify u	nder penalty of law t	hat I have perso	onally examined a	and am familiar with the information submitted on
this applic	ation fo	rm and all attachme	nts, and that ba	sed on my inquir	y of those individuals immediately responsible for
obtaining t	he info	mation. I believe that	the information	is true, accurate	and complete.
		re that there are sign	ificant penalties	for submitting fals	se information, including the possibility of fine and
imprisonm	ent.		Mall Operator	Eagle Natrium	1110
100		OFFICIAL SEAL		D. Scott Mills.	
The state of the s	TATO	OF WEST VIRGINIA		Agent	- Frig my
THE SE		L L L DODATS		15696 Energy	Road
My C	19 Cherry	ane Sistersville WV 26175 Expires March 15, 2026	, (44, 000.	Proctor, WV 2	
	-	-	Telephone:	304-451-3797	
			Email:	dmills1@west	lake.com
Subscribe	d and s	worn before me this	l 6th day of	May	, 2024
7	0	^)		
	311	h ann 4	averto		Notary Public
My Comm	ission E	xpires	rch 15,	2026	
Oil and Gas	Privacy I	Notice	37		

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

07/05/2024

WW-2A	Surface	Waiver
(4/16)		

(4/16)		SURFACE OWNE	R WAIVER		. "		
County	051	Operato	ır		Eagle Natrium, Ll	LC.	
		Operato	r well num	nber	Brine Well #14		
	INSTRUCTIONS TO	SURFACE OWNE	RS NAMED	ON PAGE	WW2-A		
appeared on the set the only owner are valid for 24 mg	operator named on page Wort is owned by more than the Sheriff's tax ticket on the lar who will actually receive the onths. If you do not own any know who it is. Also, pleas NOTE: YOU AF	nree persons, then the first or because you are see materials.) See y interest in the surface notify the well operson.	these materi actually occu Chapter 22 ace tract, ple erator and the	ials were se upy the surfa of the West ease forward ne Office of (NY COMME	erved on you because ace tract. In either cas Virginia Code. Well v I these materials to the Oil and Gas.	s your name se, you may vork permits e true owner	
Chief, Office of Oil	l and Gas vironmental Protection				MAY 2	8 2024	
601 57 th St. SE Charleston, WV 2 (304) 926-0450					WV Depar Environmenta	tment of al Protection	
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;							
5) The a of the If you wa	proposed well work fails to p applicant has committed a su rules promulgated under C nt a copy of the permit as	ibstantial violation o chapter 22, and has	f a previous failed to aba	permit or a s ate or seek re	eview of the violation.		
a copy from the List of W to test your water	ater Testing Laboratories to establish water quality pr	<u>.</u> The Office mainta rior to and after drilli ARY STATEMENT	ng. Contact	the Chief to	g laboratories which y o obtain a copy.	ou can hire	
Application for a Vorder on Form Worderscribed therein	state that I have read the in Well Work Permit on Form \ W2-B, a survey plat, WW-9,	structions to surface MW2-A, and attachr and a soil and eros	e owners an nents consis ion plan, all	d that I have sting of page for proposed	es 1 through included well work on my surf	iding a work face land as	
a permit being iss	ued on those materials.	, to and planmas area			·	•	
FOR EXECUTION	N BY A NATURAL PERSON	N	FOR	EXECUTIO	N BY A CORPORATION	ON, ETC.	
		Date	Company Name		atrium, LLC.		
Sig	nature		By Its	D. Scott Agent	VIIIIS	Date	
Deie	t Name		4	fill	HAM)	5/14/29	
PIII	LINGING			Signature		Date	

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County051 OperatorEagle Natrium, LLC	Operator's Well Num	berBrine Well #14
INSTRUCTIONS TO CO	OAL OPERATOR, OW	NER, OR LESSEE
To the coal operator, owner, or les any objection you wish to make or are req with the Chief of the Office of Oil and Gas by the Office. Mail objections to:	uired to make by WV (
Chief, Office of Oil and Gas Department of Environmental Protection 601 57 th St. SE Charleston, WV 25304 (304) 926-0499 extension 1654	WAIVER	Office RECEIVED Office Of Oil and Gas MAY 28 2024 WV Department of Environmental Protection
The undersigned coal operator N/A location has examined this proposed well I location, the well location has been added work proposed to be done at this location, requirements of the West Virginia Code an FOR EXECUTION BY A NATURAL PERSON	ocation. If a mine map to the mine map. The provided, the well oper d the governing regula	undersigned has no objection to the rator has complied with all applicable tions.
Date	Company	XECUTION BY A CORPORATION, ETC. N/A
Signature	By Its	Donald Scory Mices A GENT Date Signature Date

N/A

WW-2B1 (5-12)

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 Labora Sampling Contr	•	N/A	
Well Operator Address	No wells w	thin 2,000 ft	
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.

RECEIVED
Office Of Oil and Gas

MAY 28 2024

WV Department of Environmental Protection

Proposed Revegetation Treatment: Acres Disturbed 0 Acres		d 0 Acres	Preveg etation	nH N/A	
	Lime N/A		orrect to pH N/A	_ riovogetation	511
	Fertilizer type N/				
	Fertilizer amount		lbs/acre		RECEIVED Office Of Oil and Gas
	Mulch N/A		Tons/acre		MAY 28 2024
			C. J.M.		WV Department of Environmental Protection
	T.	тироманы	Seed Mixtures	D	
		emporary		Perm	
N/A	Seed Type	lbs/acre		Seed Type	lbs/acre
/aps(s) rovided	l). If water from the	t and proposed area for pit will be land applied, the land application are	land application (unless enging provide water volume, inclusion).	neered plans inclu	ding this info have been W, D) of the pit, and dir
Maps(s) provided (L, W), a Photocop	l). If water from the and area in acres, of	pit will be land applied, the land application are ved 7.5' topographic sho	land application (unless engi provide water volume, inclu a.	neered plans inclu	ding this info have been W, D) of the pit, and dir
Maps(s) provided (L, W), a Photocop Plan App	l). If water from the and area in acres, of pied section of involutions of the control of the co	pit will be land applied, the land application are ved 7.5' topographic should be STRA	land application (unless engi provide water volume, inclu a. eet.	neered plans inclu de dimensions (L	. W, D) of the pit, and dir
Maps(s) provided L, W), a Photocop Plan App Comment	l). If water from the and area in acres, of pied section of involutions of the control of the co	pit will be land applied, the land application are ved 7.5' topographic should be STRA	land application (unless enging provide water volume, inclus a. eet.	neered plans inclu de dimensions (L	. W, D) of the pit, and dir
Plan App	l). If water from the and area in acres, of pied section of involutions. The follow	pit will be land applied, the land application are ved 7.5' topographic should be street for the	land application (unless enging provide water volume, inclus a. eet.	neered plans inclu de dimensions (L	. W, D) of the pit, and dir

WW-9 (5/16)

API Number 47 - (D51 <u> </u>	01919
Operator's Well No.		

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

	TINGS DISTOSAL & NODAWATION TEAN
	OP Code 39600
	Quadrangle New Martinsville
Will a pit be used? Yes No	water to complete the proposed well work? Yes No
If so, please describe anticipated pit was	te:
Will a synthetic liner be used in the pit?	te: No If so, what ml.?
Proposed Disposal Method For Treated I	
Underground Injection Reuse (at API Number Off Site Disposal (Sup	elected provide a completed form WW-9-GPP) (UIC Permit Number
Will closed loop systembe used? If so, describe:	MAY 28 2021
Drilling medium anticipated for this well (vertical	and horizontal)? Air, freshwater, oil based, etc. WV Department of Environmental Protection
-If oil based, what type? Synthetic, petro	pleum, etc
Additives to be used in drilling medium?	
	fill, removed offsite, etc
-If left in pit and plan to solidify what me	edium will be used? (cement, lime, sawdust)
	e of Oil and Gas of any load of drill cuttings or associated waste rejected at any libe provided within 24 hours of rejection and the permittee shall also disclose
on April 1, 2016, by the Office of Oil and Gas of provisions of the permit are enforceable by law. V or regulation can lead to enforcement action. I certify under penalty of law that I have application form and all attachments thereto and the	ls P.E.
Subscribed and sworn before me this 16th Leth Curr Lovert My commission expires 1 arch 15	day of May , 20 24 Notary Public OFFICIAL SEAL STATE OF WEST VIRGIN NOTARY PUBLIC Beth Ann Roberts 119 Cherry Lane Sistersville W 26

WW-9- GPP Rev. 5/16

Page	l of 2
API Number 47 - <u>05</u>	1 - 01919
Operator's Well No.	

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

Operator Name: Eagle Natrium, LLC Vatershed (HUC 10): Ohio River	Quad: New Martinsville
arm Name: Westlake Natrium, LLC	
alli Nanc.	
 List the procedures used for the treatment and discharge of fluids. I groundwater. 	nclude a list of all operations that could contaminate the
N/A	
Describe procedures and equipment used to protect groundwater qua	ality from the list of potential contaminant sources above
N/A	
List the closest water body, distance to closest water body, and discharge area.	listance from closest Well Head Protection Area to the
	listance from closest Well Head Protection Area to the RECEIVED Office Of Oil and Gas
discharge area.	RECEIVED
discharge area.	RECEIVED Office Of Oil and Gas
discharge area.	Office Of Oil and Gas MAY 28 2024 WV Department of Environmental Protection

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

WW-9- GPP Rev. 5/16

Page _	2 of 2
API Number 47	-
Operator's Well No	

The groundwater at the Westlake Natrium Plant is contaminated due The plant is covered under a Corrective action permit (No. WVD0043	to historical operations. 336343).
5. Provide a statement that no waste material will be used for deicing or fill material on the	e property.
No waste material will be used for de-icing or fill material on the prop	perty.
7. Describe the groundwater protection instruction and training to be provided to the er provide direction on how to prevent groundwater contamination.	mployees. Job procedures shall
Supervisor will provide training to employees discussing the requirent groundwater contamination. Training to include spill containment requires.	nent to prevent uirement for all oils and
3. Provide provisions and frequency for inspections of all GPP elements and equipment.	
Supervision will be required during all operations. On-going inspection prevent groundwater contamination.	ons will be performed to
Signature TRAOSR LOWER	
Date: 5/20/2024	RECEIVED Office Of Oil and Gas
	MAY 28 2024

WV Department of Environmental Protection 07/05/2024

BRINE WELL N EAGLE NATRIUM, LLC

(PROPOSED WELL N

SITUATE ON THE WATER FRANKLIN DISTRICT, MARSHAL

RECEIVED. Office Of Oil and Gas

MAY 28 2024

WV Department of

Environmental Protection

PROJECT NAME: BRINE WELL NO. 14
TAX PARCEL:
FRANKLIN DISTRICT
MAP 28-12 SURFACE OWNER:
EAGLE NATRIUM, LLC/AXIALL CORPORATION
FRANKLIN DISTRICT
MARSHALL COUNTY, WV
TOTAL PROPERTY AREA: 403.636 ± ACRES

PROJECT INFORMATION

ROYALTY OWNER: EAGLE NATRIUM, LLC/AXIALL CORPORATION FRANKLIN DISTRICT MARSHALL COUNTY, WV

SITE LOCATION:
THE BRINE WELL NO. 14 SITE IS LOCATED OFF WV RT. 2, APPROXIMATELY
75 MILES NORTH OF CO. RT. 2 AND WV RT 2 INTERSECTION.

LOCATION COORDINATES

BRINE WELL NO. 14 WELL PAD ENTRANCE LATITUDE: 39.738458 LONGITUDE: -80.840609 (NAD 83)

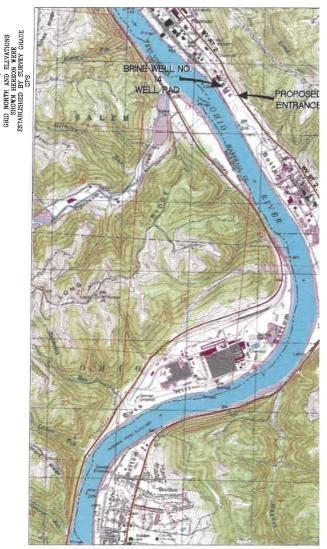
SITE INCLUSION COMPUTATIONS

WELL PAD AREA = 1.5 \pm ACRES EXISTING ACCESS ROAD AREA = 0.3 \pm ACRES NOW DISTURBANCE AREA = 0.1 \pm ACRES TOTAL SITE INCLUSION AREA = 1.9 \pm ACRES

ENTRANCE PERMIT

EAGLE NATRIUM, LLC HAS OBTAINED AN ENCROACHMENT PERMIT (FORM MM-109) FROM THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS FOR THE PROPOSED CONSTRUCTION ACTIVITIES.

FLOODPLAIN NOTE
THE PROPOSED LIMITS OF DISTURBANCE FOR THIS PROJECT IS LOCATED IN PORTIONS
OF FEMA FLOOD ZONE X AND ZONE AE, PER THE FLOOD INSURANCE RATE MAP (FIRM)
NUMBER 54051C0205E, DATED SEPT. 25, 2009.



NEW MARTIN



MISS Utility of West Virginia

1-800-245-4848

West Virginia State Law
(Section XIV: Chapter 24-C)
Requires that you call two business days before you dig in the state of West Virginia. IT'S THE LAW!!

). 14 SITE PLAN AXIALL CORPORATION

BRINE WELL 14)

THE OHIO RIVER IN COUNTY, WEST VIRGINIA.

LE QUAD

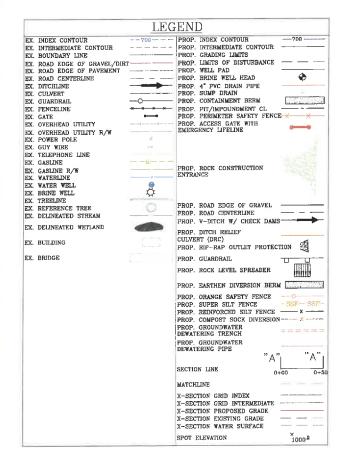


LIST OF DRAWINGS

1 - COVER SHEET

z - site plan

3 - CONSTRUCTION DETAILS



OPERATOR

EAGLE NATRIUM LLC WV STATE ROUTE 2 P.O. BOX 191 NEW MARTINSVILLE, WV 26155 PHONE: (304) 455-2200





THIS DOCUMENT WAS PREPARED BY: SLS LAND AND ENERGY DEVELOPMEN

FOR: EAGLE NATRUIM LLC/AXIALL CORPORATION

BRINE WELL #14
SITE PLAN
FRANKLIN DISTRICT
MARSHALL COUNTY, WV

ENGINEERS/SURVEYOR	

SLS LAND AND ENERGY DEVELOPMENT 12 VAN HORN DRIVE P.O. BOX 150 GLENVILLE, WV 26351 PHONE: (304) 462-5634 DATE: 02-16-2017

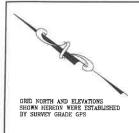
SCALE: 1"= 2000"

DESIGNED BY: KLH

FILE NO. 7492

SHEET 1 0F 3

REV: 02-74-720172-024



BRINE WEL SITE PLA

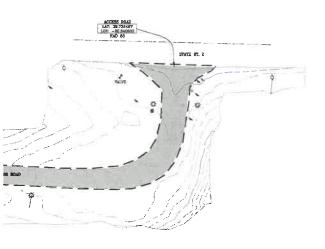
RECEIVED Office Of Oil and Gas

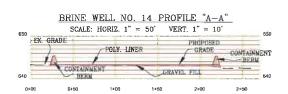
MAY 28 2024

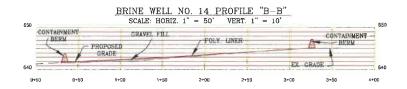
WV Department of Environmental Protection











TOTAL UNITS OF INCLUSION (ACCES)

1.9

UNITS OF WEND DICTURGRANCE (ACCES)



THIS DOCUMENT WAS PREPARED BY: SLS LAND AND ENERGY DEVELOPMENT FOR: EAGLE NATRUIM LLC/AXIALL CORPORATION

BRINE WELL 14
SITE PLAN
FRANKLIN DISTRICT
MARSHALL COUNTY, WV

DATE: 1-06-2017

SCALE: 1" = 50'

DESIGNED BY: KLH

FILE NO. 7492

SHEET 2 OF 3

SHEET 2 OF 3
REV: 02-24-2017

4705101919W

Oil&Gas

Wells, Horizontal Only

WellStatus

- Active Well
- Permit Issued
- Permit Application
- Plugged

Wells, Active Status Only

WellUse

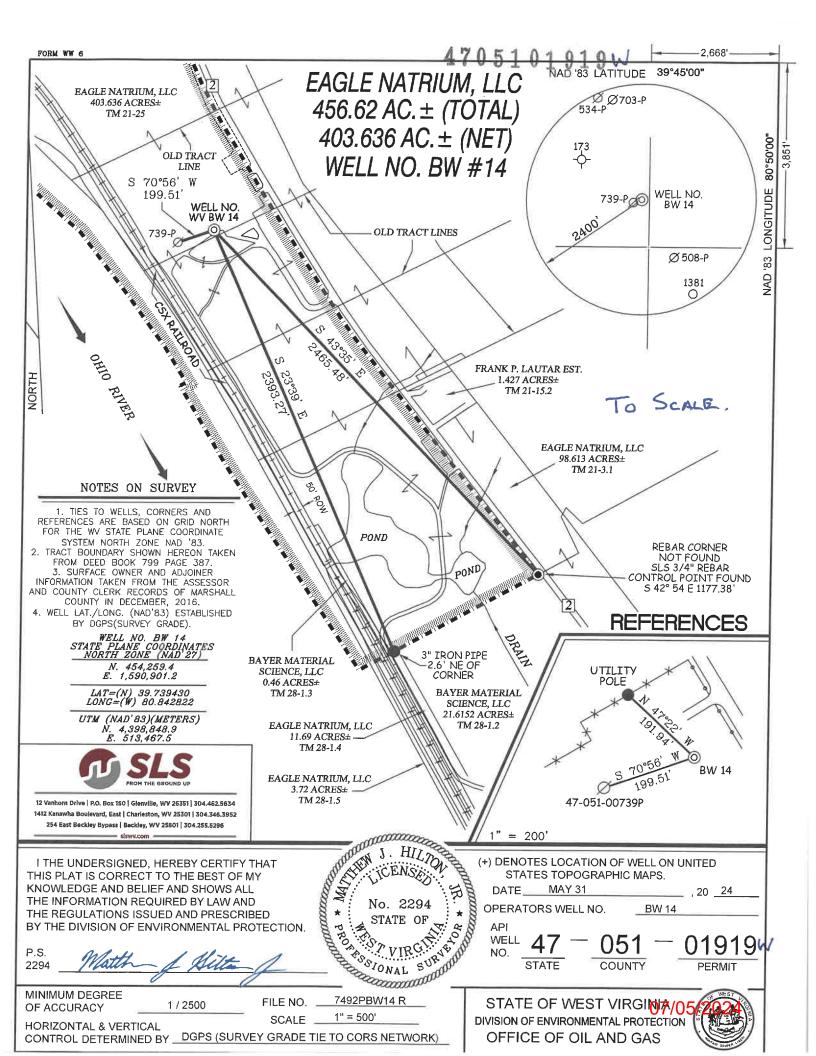
- A Brine Disposal
- M Fluid Injection
- Gas Production
- House Gas
- Observation
- Oil Production
- Production
- Solution Mining
- Storage
- Vent
- <all other values>

Wells, Other than Active Status

WellUse

- Brine Disposal
- Fluid Injection
- Gas Production
- House Gas
- Observation
- Oil Production
- Production
- Calutian Minimu





PROCTOR, WV 26055

PROCTOR, WV 26055



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

May 20, 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

Office Of Oil and Gas

MAY 28 2024

WV Department of Environmental Protection

Dear Mr. Martin:

Subject: UIC Well Work Permit Application

Operator's Well No. 14, API Well Number 47-051-01919

Please find attached, the required completed forms, diagrams, and associated map to perform work on Operator's Well No. 14, API Well Number 47-051-01919 located at the Westlake Natrium (aka Eagle Natrium LLC, Natrium Plant.) This is the application to make changes to the existing #14 Brine Well (referenced above) by installing a new casing. Piping modifications will be performed at grade level to allow freshwater to flow to the bottom of the well.

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

Sincerely,

D. Scott Mills, P.E., BCEE

Manager – Environmental

Enclosures



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

June 11, 2024

Certified Mail Return Receipt Requested

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

Dear Mr. McLaughlin:

Subject: UIC Well Work Permit Application

Operator's Well No. 14, API Well Number 47-051-01919

Please find enclosed a check in the amount of \$800.00 for the fees associated with the application.

Additionally, please find a standard copy of the plat requested. The original Mylar copy will follow. Due to postal issues, the Mylar copy has to be resent, and will be forwarded as soon as we receive it from our vendor.

With this fee and white copy of the plat, we hope you can continue to move forward on the application. If you have any questions, please call me at the numbers above or Mr. Steve Clark at (304) 451-3881.

Sincerely,

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

RECEIVED
Office of Oil and Gas

CK#110527591

JUN 17 2024

WV Department of Environmental Protection

Enclosures



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

June 13, 2024

Certified Mail Return Receipt Requested

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

Dear Mr. McLaughlin:

Subject: UIC Well Work Permit Application

Operator's Well No. 14, API Well Number 47-051-01919

As communicated in our letter dated June 11, 2024, our vendor resent the requested Mylar plat of the #14 Well referenced above. Please find enclosed the Mylar plat and a plain copy for the application file.

If you have any questions, please call me at the numbers above or Mr. Steve Clark at (304) 451-3881.

Sincerely,

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

Enclosure

RECEIVED
Office of Oil and Gas

JUN 17 2024

WV Department of Environmental Protection