



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

Friday, November 1, 2024
WELL WORK PERMIT
Horizontal 6A / New Drill

MARION NATURAL ENERGY LLC
707 VIRGINIA ST. EAST, SUITE 1200


CHARLESTON, WV 25301

Re: Permit approval for GREEN LAKES 7H
47-049-02561-00-00

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: GREEN LAKES 7H
Farm Name: PARKER A & ALICE J BELL
U.S. WELL NUMBER: 47-049-02561-00-00
Horizontal 6A New Drill
Date Issued: 11/1/2024

Promoting a healthy environment.

11/01/2024

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.

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

1) Well Operator: Marion Natural Energy LLC Operator ID 494531958 County Monongalia District Grant Town Quadrangle Grant Town

2) Operator's Well Number: 7H Well Pad Name: Green Lakes

3) Farm Name/Surface Owner: Parker A & Alice J Bell Public Road Access: Hagans Rd/Route 37

4) Elevation, current ground: 1,469' Elevation, proposed post-construction: 1,447'

5) Well Type (a) Gas X Oil NA Underground Storage NA
Other NA

(b) If Gas Shallow X Deep NA
Horizontal X

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 8,000', 100', 5200 PSI

8) Proposed Total Vertical Depth: 8,050' (Pilot - 8,172')

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 27,530'

11) Proposed Horizontal Leg Length: 18,254'

12) Approximate Fresh Water Strata Depths: 775'

13) Method to Determine Fresh Water Depths: Drillers log from offset wells

14) Approximate Saltwater Depths: 2,125'

15) Approximate Coal Seam Depths: 772'

16) Approximate Depth to Possible Void (coal mine, karst, other): NA

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No X

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

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WW-6B
(04/15)

4704902561
API NO. 47- 061
OPERATOR WELL NO. 7H
Well Pad Name: Green Lakes

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	NA	94.71	100'	100'	CTS
Fresh Water	13-3/8"	New	J-55	54.5	955'	925'	CTS
Coal					NA	NA	
Intermediate	9-5/8"	New	J-55	36	2,430'	2,400'	CTS
Production	5-1/2"	New	P-110	20	27,530'	27,500'	6,732
Tubing	2-7/8"	New	P-110	6.5	NA	8,500'	NA
Liners							

Digitally signed by Gayne
Gayne Knitowski, Inspector
Date: 2024.08.07 08:15:39
Inspector -0400

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"	32"	.375"	NA	NA	Class A or L	1.19
Fresh Water	13-3/8"	17 1/2"	.380"	2,730	500	Class A or L	1.19
Coal							
Intermediate	9-5/8"	12 3/8"	.395"	3,520	2,800	Class A or L	1.19
Production	5-1/2"	8 3/4"	.361"	14,360	11,500	50:50 Poz	1.16
Tubing	2-7/8"	NA	.217"	13,870	NA	NA	NA
Liners							

PACKERS

Kind:				RECEIVED Office of Oil and Gas
Sizes:				AUG 19 2024
Depths Set:				WV Department of Environmental Protection

WW-6B
(10/14)

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

Utilize auger rig to set cellar & conductor. The conductor will be set with cement to surface. Mobilize top hole drilling rig. Drill surface section on air. Run surface (freshwater & coal string) casing to desired depth. The surface casing will not penetrate sea level. Surface casing will be cemented to surface. Drill intermediate section on air. Run intermediate casing to desired depth. Intermediate casing will be cemented to surface. Drill on air the production section to the start of the curve (KOP). The well will be loaded with synthetic oil base drilling mud (SOBM). Demobilize top hole rig. Mobilize horizontal drilling rig. Finish drilling the production section utilizing MWD surveys and geosteering practices to maintain the wellbore in the Marcellus shale and prevent anti-collision. Production casing will be ran to TD and cement top will be inside the intermediate casing.

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

A cement bond log will determine the top of production casing cement. The production casing will be pressure tested. The hydraulic fracturing equipment will then open the toe sleeves and begin pumping the first stage. The plug-and-perf method will be used for the remaining stages. The max anticipated pressure during frac is 11,200psi and a max rate of 90bpm. After frac, the drillout rig will drill all plugs out of the well. Land production tubing at desired depth. Then flowback well until ready to turn in line to production facilities.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 45.27

22) Area to be disturbed for well pad only, less access road (acres): 20.38

23) Describe centralizer placement for each casing string:

Surface: shoe track & every 3rd joint to surface
Intermediate: shoe track & every 3rd joint to surface
Production: Rigid bow centralizers at shoe track & every other joint in the lateral to KOP. Bow springs from KOP to surface every third joint.

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

Surface: Class A or L Cement + Max 3% bwoc Calcium Chloride Fresh Water blend.
Intermediate: Class A or L Cement + Max 3% bwoc Calcium Chloride + Fresh Water.
Production: 50:50 Poz (Fly Ash & Class A or L) plus additives such as defoamer, retarder, & fluid loss additive meet well specific requirements

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25) Proposed borehole conditioning procedures:

Surface & intermediate on air will utilize high volumetric flow rates of air to ensure the wellbore is clean prior to TOH. Production section will utilize synthetic oil based drilling mud to properly clean the wellbore. At TD, pump rate and rotation will be maximized and tripping will not begin until shakers flow clean. Production casing will be circulated prior to cementing to ensure a prepared wellbore for cement.

*Note: Attach additional sheets as needed.

Northeast Natural Energy LLC Mine Contingency Plan



On all wells drilled, Northeast Natural Energy LLC (“NNE”) has contingency strategies in place should an unanticipated void or mine be encountered while drilling the surface section of the well. If encountered, any accumulated gases will be diverted a safe distance away from the drilling operations through the blooey line and/or flare.

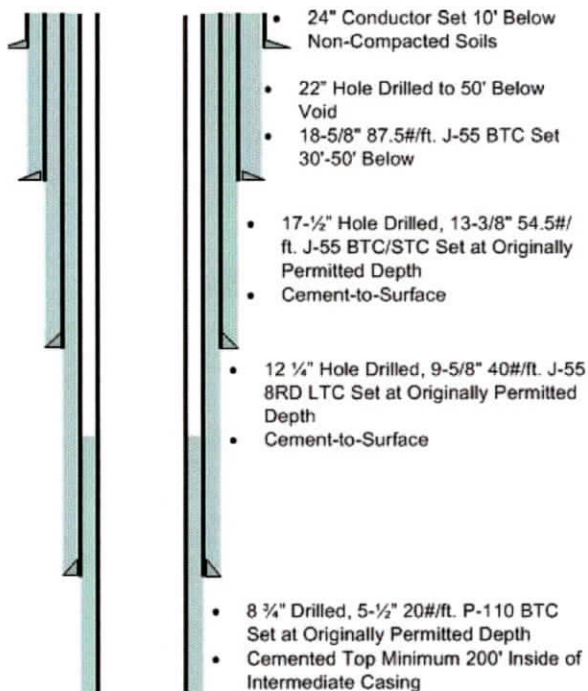
All casings programs submitted to the state incorporate the use of a 24” conductor over the previously used 20” that has long been the industry standard for a typical Marcellus design. The use of 24” conductor casing allows the use of a 22” bit to ream the surface hole, and drill 50’ below the void to run a string of 18-5/8” 87.50#/ft J-55 through the section when needed.

The 18-5/8” would be set 30-50’ below the void with cement baskets placed directly above and below. The section of pipe below the void would be cemented using the balance method with 100% excess. The section above the void would be cemented separately by using remedial top fill techniques and 30% excess.

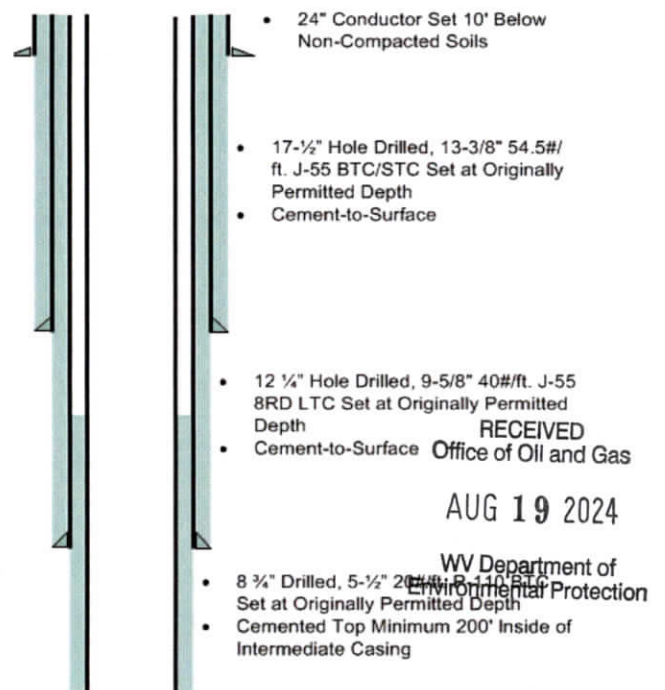
With the use of these string sizes and techniques, the surface and intermediate strings do not need to be altered. After a proper WOC time, the surface section of the well would continue to be drilled with a 17-1/2” bit and the 13-3/8” 54.50#/ft freshwater casing would be set at the originally permitted depth.

**The diagram below visually shows the alternative casing plan should an unanticipated void be encountered.*

Casing Schematic w/ Mine String



Casing Schematic w/o Mine String



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NORTHEAST NATURAL ENERGY, LLC

Location: Monongalia County, WV
 Field: Monongalia
 Facility: Green Lakes Pad

Slot: Slot 07 (7H)
 Well: Green Lakes 7H ST01
 Wellbore: Green Lakes 7H ST01 PWB



	Do not cross [any limiting boundary]; red, bold, solid
	Lease boundary, advisory; black, bold, solid
	Regulatory boundary, advisory; black, bold, dashed
	Geologic boundary, advisory; blue, bold, dashed
	Geologic target boundary, advisory; blue, normal, solid
	Driller's target boundary, advisory; green, normal, solid
	Other type of boundary, advisory; green, bold, dashed

This reference is depth in Green Lakes 7H ST01 (24-02)	Grid System: NAD83 (1) Lambert Mercator (2) P. Northern Zone (3) W. US Feet
True vertical depths are referenced to Mean Sea Level (MSL)	North Reference: Grid North
Reference is depth measured depths are referenced to Rig on Slot 07 (7H)	Scale: True distance
Rig on Slot 07 (7H) to Mean Sea Level: 1448 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot 07 (7H))	Depth is in feet
Mean Sea Level to Ground level (At Slot: Slot 07 (7H))	Created by: manoj on 2024-07-08, Database: WVA_NPS_24-072024_026

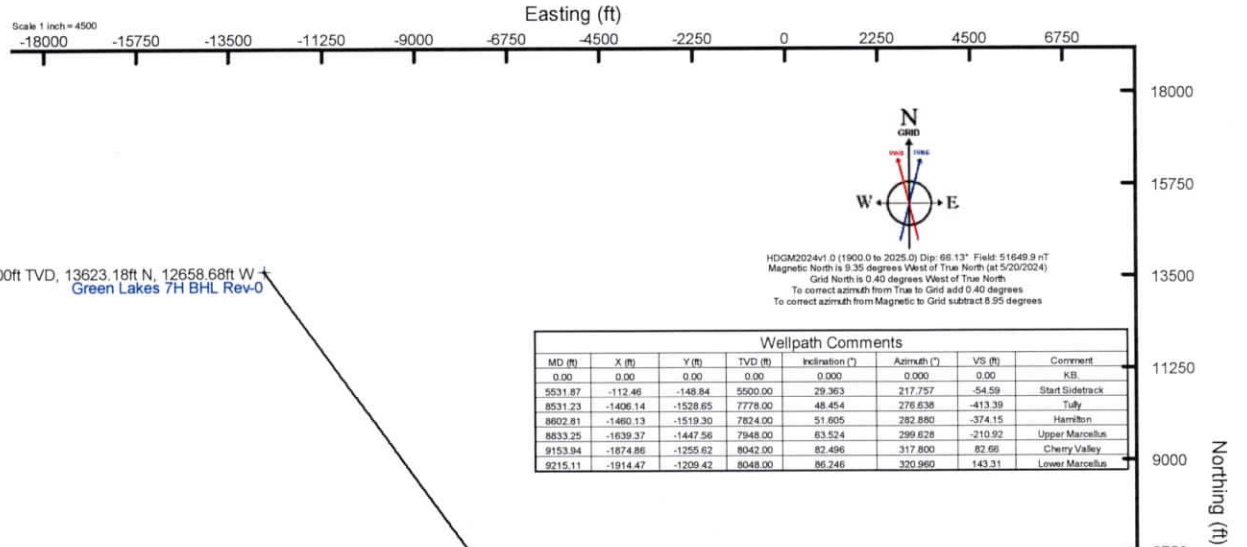
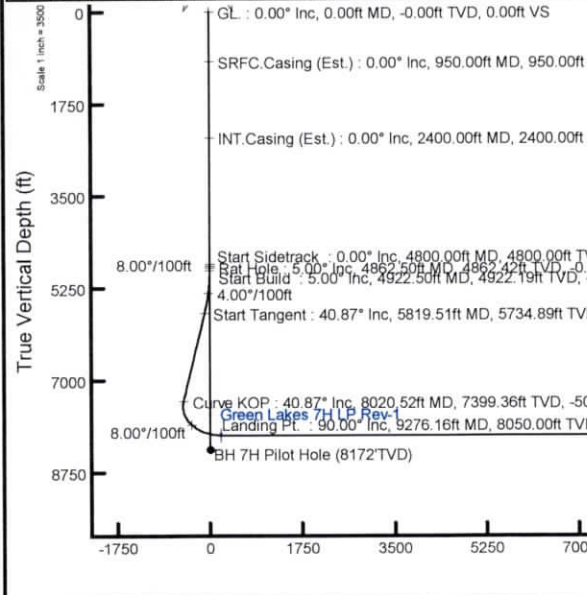
Location Information					
Facility Name	Grid East (US Ft)	Grid North (US Ft)	Latitude	Longitude	
Green Lakes Pad	179097.300	396148.300	39°35'9.3152"N	80°2'52.4757"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US Ft)	Grid North (US Ft)	Latitude
Slot 07 (7H)	-104.75	-2.27	179090.000	396043.050	39°35'8.2796"N
Rig on Slot 07 (7H) to Ground level (At Slot: Slot 07 (7H))	00				
Mean Sea Level to Ground level (At Slot: Slot 07 (7H))	-1448ft				
Rig on Slot 07 (7H) to Mean Sea Level	1448ft				

Well Profile Data							
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	D/S (°/100ft)
GL	0.00	0.000	0.000	0.00	0.00	0.00	0.00
SRFC Casing (Est.)	950.00	0.000	0.000	950.00	0.00	0.00	0.00
INT Casing (Est.)	2400.00	0.000	0.000	2400.00	0.00	0.00	0.00
Start Sidetrack	4800.00	0.000	214.103	4800.00	0.00	0.00	0.00
Rat Hole	4862.50	5.000	214.103	4862.42	-2.26	-1.53	8.00
Start Build	4922.50	5.000	214.103	4922.19	-6.59	-4.46	0.00
Start Tangent	5819.51	40.868	217.992	5734.89	-279.20	-213.91	4.00
Curve KOP	8020.52	40.868	217.992	7399.36	-1414.16	-1100.39	0.00
Landing Pt.	9276.16	90.000	324.087	8050.00	-1161.01	-1951.59	8.00
BHL	27530.31	90.000	324.087	8050.00	13623.18	-12658.68	0.00

Hole and Casing Sections									
Section	Start MD (ft)	End MD (ft)	Start TVD (ft)	End TVD (ft)	Start Local N (ft)	End Local N (ft)	Start Local E (ft)	End Local E (ft)	Wellbore
17 1/2" Hole Open Hole	0.00	950.00	0.00	950.00	0.00	0.00	0.00	0.00	Green Lakes 7H Pilot Hole
13 3/8" Hole Open Hole	0.00	950.00	0.00	950.00	0.00	0.00	0.00	0.00	Green Lakes 7H Pilot Hole
12 1/4" Hole Open Hole	0.00	950.00	0.00	950.00	0.00	0.00	0.00	0.00	Green Lakes 7H Pilot Hole
8 1/2" Hole Open Hole	0.00	950.00	0.00	950.00	0.00	0.00	0.00	0.00	Green Lakes 7H Pilot Hole
8 1/2" Hole Casing Intermediate	0.00	2400.00	0.00	2400.00	0.00	0.00	0.00	0.00	Green Lakes 7H Pilot Hole
8 1/2" Hole Casing Production	0.00	2400.00	0.00	2400.00	0.00	0.00	0.00	0.00	Green Lakes 7H Pilot Hole
8 1/2" Hole Open Hole	2400.00	4800.00	2400.00	4800.00	0.00	0.00	0.00	0.00	Green Lakes 7H Pilot Hole
8 1/2" Hole Casing	4800.00	5819.51	4800.00	5819.51	0.00	0.00	0.00	0.00	Green Lakes 7H Pilot Hole

Targets							
Name	MD (ft)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US Ft)	Grid North (US Ft)	Latitude
Green Lakes 7H BHL Rev-0	27530.31	8050.00	13623.18	-12658.68	177793.18	408898.00	39°37'22.0032"N
Green Lakes 7H LP Rev-0	NA	8050.00	-1261.84	-1878.50	1768711.71	394781.79	39°34'38.6780"W
Green Lakes 7H LP Rev-1	9276.16	8050.00	-1161.01	-1951.59	1768838.62	394882.71	39°34'38.0982"W

Survey Program					
Start MD (ft)	End MD (ft)	Tool	Model	Log Interval (min)	Wellbore
0.00	8050.00	SRV	SRV	1.00	Green Lakes 7H Pilot Hole
8050.00	8050.00	SRV	SRV	1.00	Green Lakes 7H Pilot Hole
8050.00	8050.00	SRV	SRV	1.00	Green Lakes 7H Pilot Hole



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 Environmental Protection

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August 6, 2024

Attn: Charles Taylor Brewer, Assistant Chief – Permitting
WV Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304

Re: Order No. 2022-14

Dear Mr. Brewer,

Marion Natural Energy (“MNE”) would like to provide notice that it may use American Petroleum Institute (“API”) Class L cement in place of API Class A cement as approved by Order No. 2022-14, attached hereto, on its Green Lakes well construction.

Should you have any questions please contact me at 304-212-0422 or by email at hmedley@nne-llc.com.

Sincerely,

A handwritten signature in blue ink that reads 'Hollie M. Medley'.

Hollie M. Medley
Regulatory Manager

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west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
Phone (304) 928-0450

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.

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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.

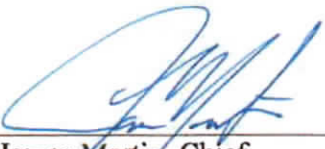
ORDER

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

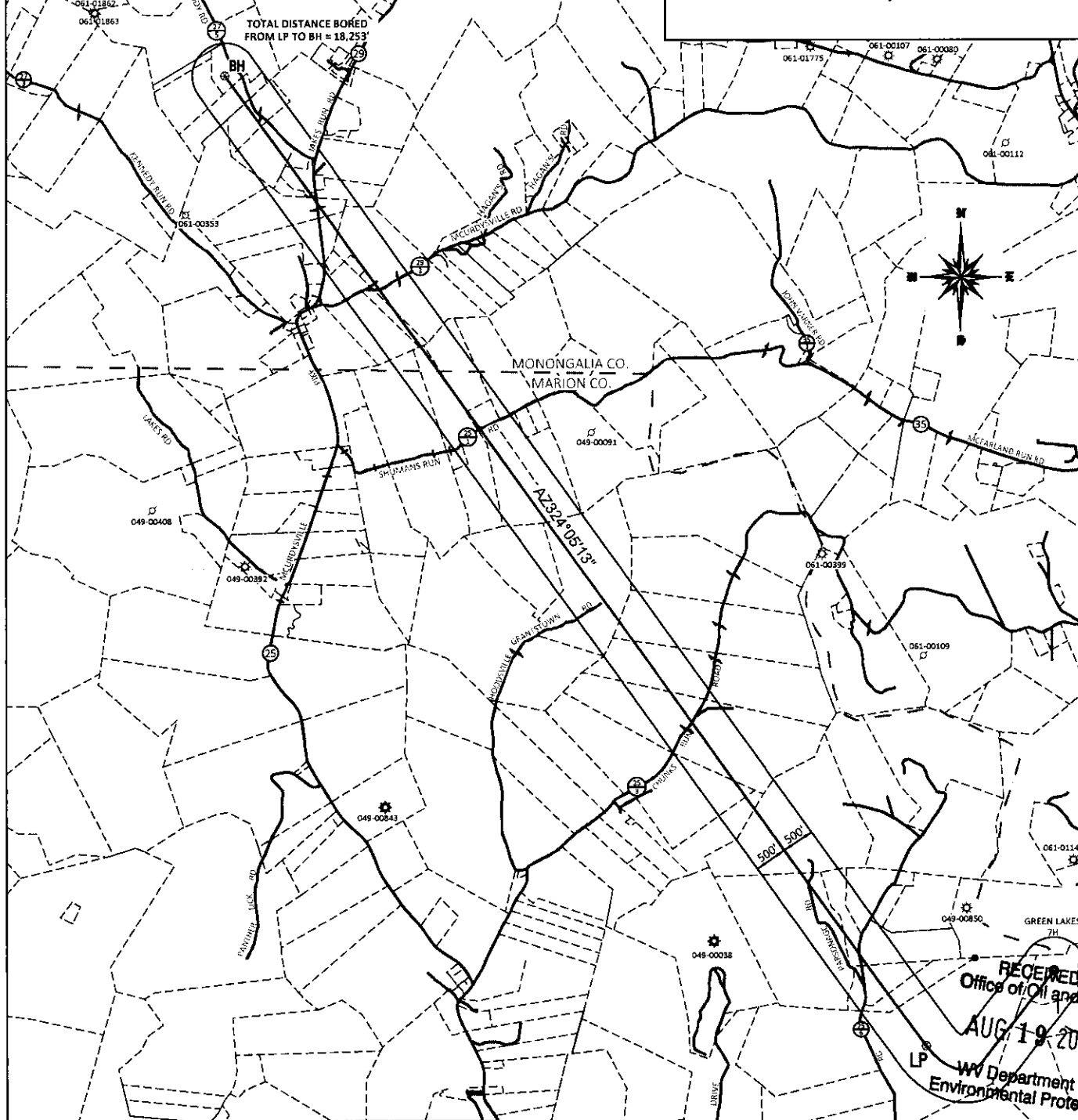


James Martin, Chief
Office of Oil and Gas

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GREEN LAKES 7H EXISTING GAS WELLS JULY 19, 2024



TOTAL DISTANCE BORED
FROM LP TO BH = 18,253'

MONONGALIA CO.
MARION CO.



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SCALE: 1" = 2,200'



WW-9
(4/16)

4704902561

API Number 47 - _____ - _____
Operator's Well No. Green Lakes 7H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Marion Natural Energy LLC OP Code 494531958

Watershed (HUC 10) Upper Monongahela River Quadrangle Grant Town

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: NA

Will a synthetic liner be used in the pit? Yes No If so, what ml.? NA

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number unknown at this time, TBD)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: Yes, Please See Attachment "A"

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Vertical - Air/ Curve & Horizontal - Oil Based

-If oil based, what type? Synthetic, petroleum, etc. Synthetic Oil Based Mud

Additives to be used in drilling medium? Organophilic Clay Viscosifiers, Lime, Unsaturated Fatty Acids, CaCl, Barite, Emulsifiers, Mica LCM, Water Loss Agents

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Removed Offsite - Please See Attachment "A"

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? Please See Attachment "A"

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

Company Official Signature Hollie Medley
Company Official (Typed Name) Hollie Medley
Company Official Title Regulatory Manager

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Subscribed and sworn before me this 1st day of August, 2024, 20

Kristen Brooks Notary Public

My commission expires Aug. 10, 2028



Marion Natural Energy LLC

Proposed Revegetation Treatment: Acres Disturbed 45.27 Prevegetation pH _____

Lime 2 Tons/acre or to correct to pH 7

Fertilizer type 19-19-19

Fertilizer amount 300 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type	lbs/acre
Orchard Grass	46
Red Clover	8
Tetraploi Perennial Rye	16
Timothy 15 Annual Rye 15	

Seed Type	lbs/acre
Orchard Grass	46
Red Clover	8
Tetraploid Perennial Rye	16
Timothy 15 Annual Rye	15

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: Gayne Krlowski, Inspector Digitally signed by Gayne Krlowski, Inspector 08/07/2024 09:07:08 -0400

Comments: _____

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Title: Inspector

Date: 8-7-2024

Field Reviewed? Yes No

Attachment A to WW-9

Marion Natural Energy LLC (“MNE”) plans to utilize a closed loop process for its drilling of the well. Return flow from the well will be separated into its liquid and solid form. Liquids will be held in steel tanks and reused in the drilling and completion process or disposed of at an approved facility listed below. Solids removed from the stream will be diverted to steel half-round tanks where they will be solidified on site and taken to disposal as they are accumulated.

The Cuttings will be taken to disposal at one or more of the following disposal/approved waste facilities, unless listed facilities are no longer approved to accept waste at time of disposal:

- Westmoreland Sanitary Landfill (Noble Environmental) – Belle Vernon, PA (Permit # 100277)
- Chestnut Valley Landfill (Nobel Environmental) – McClellandtown, PA (Permit # 100419)
- Austin Master Services – Martins Ferry, OH (Permit # WF-2022-05)
- Belmont Solids Control LLC – Cadiz, OH (Permit # WF-2022-01)

MNE plans to reuse and recycle all flowback fluid and/or reach out to other operators in the area who may be able to reuse and recycle such fluid. However, in the event that reuse is not obtainable the fluid will be disposed of at one, or multiple, of the following disposal/approved waste facilities unless listed facilities are no longer approved to accept waste at time of disposal:

UIC Well Name	Owner/Operator	API No.
K & H Disposal	Central Environmental Services	47-061-01689
Dennison Disposal Well	Dennison Disposal	34-157-2-5507
Nichols	Tidal Logistics	34-167-2-3862
Goff	Tidal Logistics	34-119-2-8776
Clearwater 3	Tidal Logistics	34-059-2-3986
Bo	Tidal Logistics	34-059-2-4473
Shields	Tidal Logistics	34-059-2-4445
Redbird #2	Redbird Development, LLC	34-167-2-9731
Redbird #4	Redbird Development, LLC	34-167-2-9767
Mills	Omega Drilling/FQ Energy	34-105-2-3619
Dexter City	Omega Drilling/FQ Energy	34-121-24037
Ritchie	Omega Drilling/FQ Energy	47-085-09721

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11/01/2024

4704902561



northeast

NATURAL ENERGY

Gayne
Knitowski,
Inspector

Digitally signed by
Gayne Knitowski,
Inspector
Date: 2024.08.07
08:12:35 -0400

Green Lakes Site Safety Plan

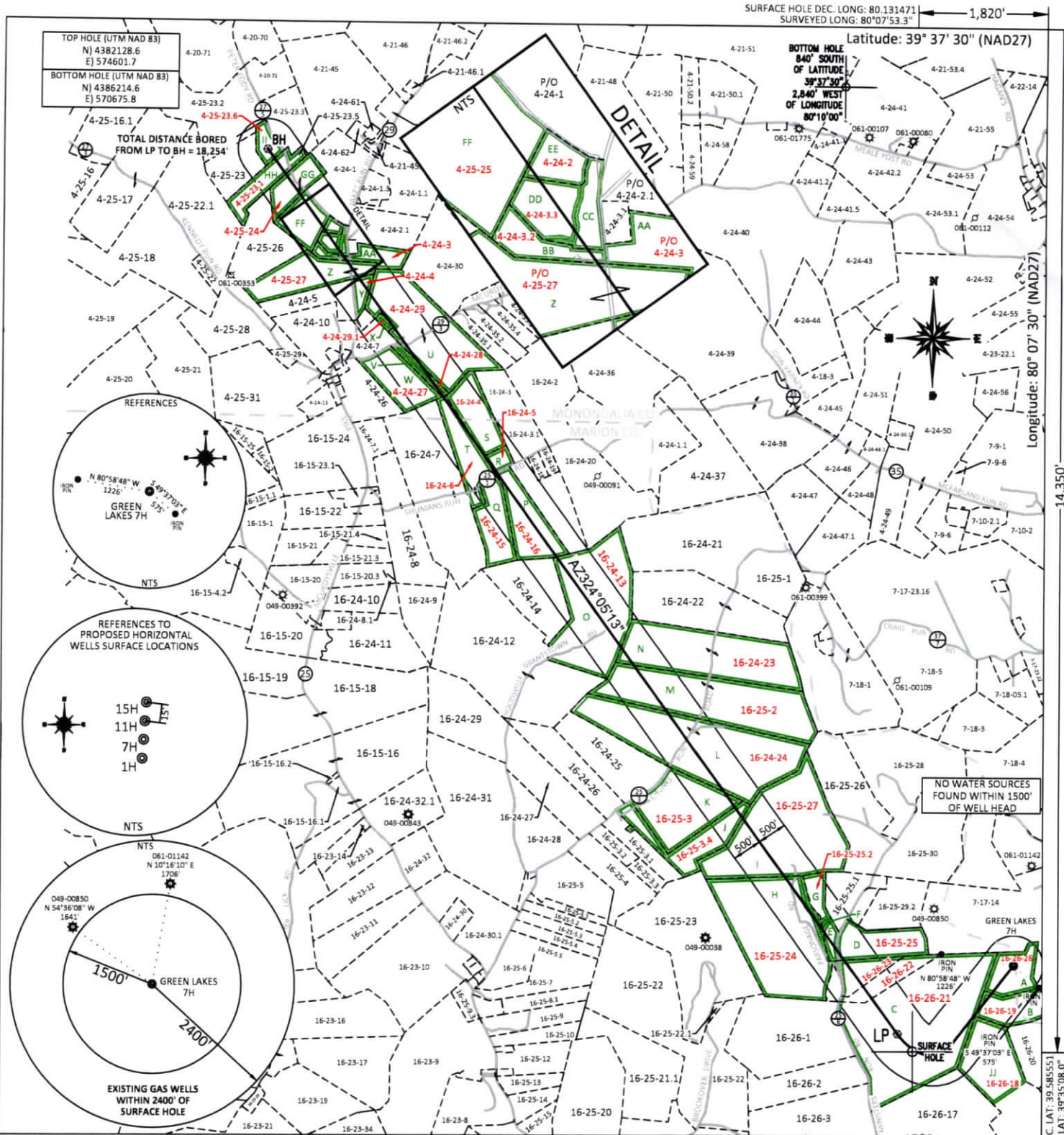
2024

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11/01/2024



GREEN LAKES WW
AUGUST 11, 2023
SCALE - (1" = 800')



FILE #: NNE20

DRAWING #: 4053

SCALE: PLAT: 1" = 2400'
TICK: 1" = 2000'

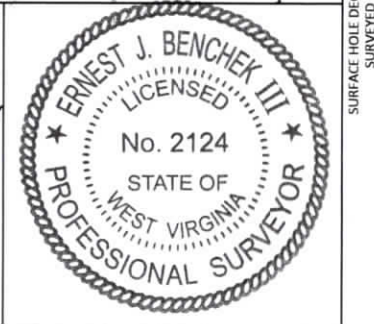
MINIMUM DEGREE OF ACCURACY: 1/200

PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: [Signature]

L.L.S. #2124 : Ernest J. Benchek III



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

OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304

Well Type: Oil Waste Diposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: Upper Monongahela River

COUNTY/DISTRICT: MONONGALIA CO., GRANT DISTRICT / MARION CO., PAW PAW DISTRICT

SURFACE OWNER: PARKER A & ALICE J BELL

OIL & GAS ROYALTY OWNER: Luther E. Howell and Nettie E. Howell

LEASE NUMBERS: _____

DATE: SEPTEMBER 19, 2024

OPERATOR'S WELL #: GREEN LAKES 7H

API WELL #: 47 49 02561
STATE COUNTY PERMIT

PROPOSED ELEVATION: 1,447.60'

QUADRANGLE: GRANT TOWN

ACREAGE: 830.72 11/01/2024

ACREAGE: 12.97 +/-

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: MARCELLUS

WELL OPERATOR: MARION NATURAL ENERGY LLC

ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200

CITY: CHARLESTON STATE: WV ZIP CODE: 25301

ESTIMATED DEPTH: PILOT TVD: 8,172' TVD: 8,050' TMD: 27,530'

DESIGNATED AGENT: L. Brett Loflin

ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200

CITY: CHARLESTON STATE: WV ZIP CODE: 25301

PROPERTY INDEX	
4-25-23.6	MICHAEL L & AMBER D PAYTON
4-25-23.1	LONGIN PIOTROWSKI
4-25-24	BARBARA J COPEN
4-25-25	MARION & TONIA MITCHELL
4-24-2	MARION & TONIA MITCHELL
4-24-3.3	SHANNON K SUTPHIN
4-24-3.2	WARREN BROOK TROUT
4-25-27	DAVID S BRACKEN II & DEBRA L SHAFFER
4-24-3	WARREN BROOK TROUT & WARREN BROOK TROUT II
4-24-4	SHUMAN INC
4-24-29	DAVID E EDDY
4-24-29.1	MCCURDYSVILLE CEMETERY
4-24-27	RUTH MARILYN & COREY M HURLEY
4-24-28	RUTH MARILYN & COREY M HURLEY
16-24-4	KEVIN L & JODI L BUTCHER
16-24-5	KEVIN L & JODI L BUTCHER
16-24-6	LLOYD W & WALTER S MUNDELL
16-24-15	RICHARD A MICHAEL
16-24-16	ROBERT HANNAH
16-24-13	STEVE J KISH SR ETAL
16-24-23	GENE J & LORENA M BRAGG
16-25-3	HAROLD E PERKINS
16-25-3.4	REGINA A ENNIS (LIFE 1225-914)
16-25-2	WILLIAM R & JONNETTE D BRAGG
16-24-24	WILLIAM R & JONNETT D BRAGG
16-25-27	RICHARD STEPHEN MICHAEL
16-25-24	JAMES W BURTON III
16-25-25.2	JAMES W BURTON III
16-25-25	HEATHER ALKIRE
16-26-23	MARY A BURTON
16-26-22	JERRY G & SHARON D SISLER
16-26-26	PARKER A & ALICE J BELL
16-26-21	JERRY G & SHARON D SISLER
16-26-19	GARY W DAYTON
16-26-18	GARY W DAYTON

LEASE INDEX			
A	WV-049-106675-001	S	WV-049-006364-001
B	WV-049-106358-001	T	WV-049-006322-001
C	WV-049-106380-001	U	WV-061-001377-100
D	WV-049-106638-007	V	WV-061-004574-000
E	WV-049-106638-007	W	WV-061-004359-007
F	WV-049-106688-001	X	WV-061-001377-100
G	WV-049-106679-002	Y	WV-061-004700-003
H	WV-049-106457-001	Z	WV-061-004259-001
I	WV-049-104417-002	AA	WV-061-004295-002
J	WV-049-106493-001	BB	WV-061-004296-002
K	WV-049-086241-001	CC	WV-061-004731-000
L	WV-049-105165-001	DD	WV-061-004731-000
M	WV-049-106604-002	EE	WV-061-004739-001
N	WV-049-104202-010	FF	WV-061-004739-001
O	WV-049-106392-001	GG	WV-061-002330-003
P	WV-049-106592-001	HH	WV-061-003015-015
Q	WV-049-004684-000	II	WV-061-003015-015
R	WV-049-006364-001	JJ	WV-049-106358-001

11/01/2024

FILE #: <u>NEE20</u>	DATE: <u>SEPTEMBER 19, 2024</u>
DRAWING #: <u>4053</u>	OPERATOR'S WELL #: <u>GREEN LAKES 7H</u>
SCALE: <u>N/A</u>	API WELL #: <u>47</u> <u>61</u> <u>02561</u> STATE COUNTY PERMIT

**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

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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: Marion Natural Energy
 By: Hollie Medley *Hollie Medley*
 Its: Regulatory Manager

4704902561

WW-6A1 Operators Well No. Green Lakes 7H

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
A	WV-049-106675-001	Luther E. Howell and Nettie E. Howell	The Owens Bottle Company	12.5% or Greater	162	336
		The Owens Bottle Company	Owens Illinois Glass Company	Via Company Merger		
		Owens Illinois Glass Company	Owens Illinois Inc.	Via Company Merger		
		Owens Illinois Inc.	Owens Illinois Glass Container Inc.	Assignment Book	24	25
		Owens Illinois Glass Container Inc.	Noumenon Corporation	Deed Book	977	540
		Noumenon Corporation	Marion Natural Energy, LLC	Assignment Book	1362	868
B	WV-049-106358-001	Gary William Dayton	NNE Land LLC	12.5% or Greater	1322	64
		NNE Land LLC	Marion Natural Energy, LLC	Assignment Book	65	672
B	WV-049-106358-002	Dena Adrienne Dayton	NNE Land LLC	12.5% or Greater	1322	347
		NNE Land LLC	Marion Natural Energy, LLC	Assignment Book	65	672
C	WV-049-106380-001	Michael Marino	Marion Natural Energy, LLC	12.5% or Greater	1322	339
C	WV-049-106380-002	William M. Bowers	Marion Natural Energy, LLC	12.5% or Greater	1323	362
C	WV-049-106380-003	Anna Mae Terlosky McCarthy	Marion Natural Energy, LLC	12.5% or Greater	1324	15
D	WV-049-106638-007	H3 LLC	Marion Natural Energy, LLC	12.5% or Greater	1363	501
E	WV-049-106638-007	H3 LLC	Marion Natural Energy, LLC	12.5% or Greater	1363	501
F	WV-049-106688-001	Travis Lee Davis and Katie Davis	Marion Natural Energy, LLC	12.5% or Greater	1359	237
G	WV-049-106679-002	Gary Rhodes	Marion Natural Energy, LLC	12.5% or Greater	1355	642
G	WV-049-106679-001	Gary Harold Rhodes	Marion Natural Energy, LLC	12.5% or Greater	1355	640
H	WV-049-106457-001	James W. Burton III	Marion Natural Energy, LLC	12.5% or Greater	1328	559
I	WV-049-104417-002	Richard Stephen Michael	Marion Natural Energy, LLC	12.5% or Greater	1328	539
J	WV-049-106493-001	Regina A. Ennis - life estate	Marion Natural Energy, LLC	12.5% or Greater	1330	193
K	WV-049-086241-001	Marjorie Jones	Marion Natural Energy, LLC	12.5% or Greater	1318	47
L	WV-049-105165-001	William R. Bragg and Jonnett D. Bragg	Marion Natural Energy, LLC	12.5% or Greater	1232	201
M	WV-049-106604-002	Collingwood Appalachian Minerals I, LLC	Marion Natural Energy, LLC	12.5% or Greater	1351	125
M	WV-049-106604-001	Collingwood Appalachian Minerals III, LLC	Marion Natural Energy, LLC	12.5% or Greater	1351	123
N	WV-049-104202-010	Cheryl Taylor	Marion Natural Energy, LLC	12.5% or Greater	1351	543
O	WV-049-106392-001	H3 LLC	NNE Land LLC	12.5% or Greater	1327	712
		NNE Land LLC	Marion Natural Energy, LLC	Assignment Book	65	672
P	WV-049-106592-001	Robert Hannah	Northeast Natural Energy, LLC	12.5% or Greater	1348	668
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
Q	WV-049-004684-000	Richard Allen Michael	Northeast Natural Energy, LLC	12.5% or Greater	1623	7
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
R	WV-049-006364-001	Kevin L. Butcher and Jodi L. Butcher	Northeast Natural Energy, LLC	12.5% or Greater	1322	108
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
S	WV-049-006364-001	Kevin L. Butcher and Jodi L. Butcher	Northeast Natural Energy, LLC	12.5% or Greater	1322	108
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
T	WV-049-006322-001	Lloyd W. Mundell	Northeast Natural Energy, LLC	12.5% or Greater	1322	88
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
T	WV-049-006322-002	Walter S. Mundell	Northeast Natural Energy, LLC	12.5% or Greater	1322	90
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-100	Richard Allen Kennedy	Northeast Natural Energy, LLC	12.5% or Greater	1809	811
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-040	Rhonda LeFort	Northeast Natural Energy, LLC	12.5% or Greater	1604	96
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-039	Brandum Kennedy	Northeast Natural Energy, LLC	12.5% or Greater	1600	745
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-041	Joyce Kennedy	Northeast Natural Energy, LLC	12.5% or Greater	1605	717
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-042	Kristi Sanders	Northeast Natural Energy, LLC	12.5% or Greater	1608	825
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-054	Danny Kennedy	Northeast Natural Energy, LLC	12.5% or Greater	1619	666
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-050	Sharon R. Kennedy	Northeast Natural Energy, LLC	12.5% or Greater	1617	719
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-091	Dawn Conn	Northeast Natural Energy, LLC	12.5% or Greater	1798	287
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-095	Jeffrey D. Kennedy	Northeast Natural Energy, LLC	12.5% or Greater	1798	291
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-093	Clark R. Kennedy	Northeast Natural Energy, LLC	12.5% or Greater	1798	743
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-092	Christine A. Dilick	Northeast Natural Energy, LLC	12.5% or Greater	1798	289
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-045	Barbara Carter Sullivan	Northeast Natural Energy, LLC	12.5% or Greater	1610	392
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-055	Suzanne Delynn Bothwell	Northeast Natural Energy, LLC	12.5% or Greater	1622	268
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-051	Stacey Jane Bothwell	Northeast Natural Energy, LLC	12.5% or Greater	1619	653
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-047	Tracy Lee Wilfong	Northeast Natural Energy, LLC	12.5% or Greater	1616	493
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-048	Sally Maria Hennen Asper	Northeast Natural Energy, LLC	12.5% or Greater	1619	651
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-058	Hope Jane Hennen Hunter	Northeast Natural Energy, LLC	12.5% or Greater	1640	453
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-037	Margaret E. Wilfong Baughman	Northeast Natural Energy, LLC	12.5% or Greater	1598	701
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-044	Ruth Proffitt Lightner	Northeast Natural Energy, LLC	12.5% or Greater	1608	642
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-086	Tari Jan Prickett Campbell	Northeast Natural Energy, LLC	12.5% or Greater	1797	162
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-096	Fredreka Lee Lucero Smith	Northeast Natural Energy, LLC	12.5% or Greater	1805	123
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
U	WV-061-001377-099	Cynthia Elaine Yost	Northeast Natural Energy, LLC	12.5% or Greater	1806	509
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774

WV Department of
 Environmental Protection

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
U	WV-061-001377-094	Sandra Brockington	Northeast Natural Energy, LLC	12.5% or Greater	1798	293
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
V	WV-061-004574-000	Ruth Marilyn Hurley & Corey M. Hurley	Northeast Natural Energy, LLC	12.5% or Greater	1594	92
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
W	WV-061-004359-007	Melissa D. Greynolds	Northeast Natural Energy, LLC	12.5% or Greater	1851	685
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
X	WV-061-001377-100	Richard Allen Kennedy	Northeast Natural Energy, LLC	12.5% or Greater	1809	811
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
X	WV-061-001377-040	Rhonda LeFort	Northeast Natural Energy, LLC	12.5% or Greater	1604	96
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
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		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
X	WV-061-001377-054	Danny Kennedy	Northeast Natural Energy, LLC	12.5% or Greater	1619	666
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		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
X	WV-061-001377-099	Cynthia Elaine Yost	Northeast Natural Energy, LLC	12.5% or Greater	1806	509
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
X	WV-061-001377-094	Sandra Brockington	Northeast Natural Energy, LLC	12.5% or Greater	1798	293
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
Y	WV-061-004700-003	Shuman Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1852	848
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
Z	WV-061-004259-001	Northeast Natural Energy LLC	Marion Natural Energy, LLC	Deed Book	1825	774
AA	WV-061-004295-002	Northeast Natural Energy LLC	Marion Natural Energy, LLC	Deed Book	1825	774
BB	WV-061-004296-002	Northeast Natural Energy LLC	Marion Natural Energy, LLC	Deed Book	1825	774
CC	WV-061-004731-000	Shannon K. Sutphin	Northeast Natural Energy, LLC	12.5% or Greater	1606	3
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
DD	WV-061-004731-000	Shannon K. Sutphin	Northeast Natural Energy, LLC	12.5% or Greater	1606	3
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
EE	WV-061-004739-001	Marion Mitchell and Tonia Mitchell	Northeast Natural Energy, LLC	12.5% or Greater	1605	164
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
FF	WV-061-004739-001	Marion Mitchell and Tonia Mitchell	Northeast Natural Energy, LLC	12.5% or Greater	1605	164
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
GG	WV-061-002330-003	Molly Morgan	Northeast Natural Energy, LLC	12.5% or Greater	1797	170
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
GG	WV-061-006251-001	Norma J. Steele	Northeast Natural Energy, LLC	12.5% or Greater	1797	172
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-015	Wilda Gail Angelone	Northeast Natural Energy, LLC	12.5% or Greater	1551	215
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-013	Karen Rose Tennant Bartolina	Northeast Natural Energy, LLC	12.5% or Greater	1552	442
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-029	Nancy L. Rogers Born	Northeast Natural Energy, LLC	12.5% or Greater	1567	844
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-019	Susan Jane Rogers Brown	Northeast Natural Energy, LLC	12.5% or Greater	1552	349
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-021	Donna J. Rogers Hovland	Northeast Natural Energy, LLC	12.5% or Greater	1559	162
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-026	Kathleen A. Rogers Keener	Northeast Natural Energy, LLC	12.5% or Greater	1552	438
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-007	Aleda Meredith	Northeast Natural Energy, LLC	12.5% or Greater	1558	825
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-028	Lisa Gay Rogers Reed	Northeast Natural Energy, LLC	12.5% or Greater	1565	293
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-024	Sheila Rodgers	Northeast Natural Energy, LLC	12.5% or Greater	1722	782
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-022	David Lee Rogers	Northeast Natural Energy, LLC	12.5% or Greater	1566	100
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-020	Debra L. Rogers	Northeast Natural Energy, LLC	12.5% or Greater	1559	160

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-023	Randy Leon Rogers	Northeast Natural Energy, LLC	12.5% or Greater	1551	213
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-017	Rodney A. Rogers	Northeast Natural Energy, LLC	12.5% or Greater	1551	221
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-025	William Rogers	Northeast Natural Energy, LLC	12.5% or Greater	1559	166
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-005	Lewis D. Runion	Northeast Natural Energy, LLC	12.5% or Greater	1564	341
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-027	Jane Abshire Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1551	207
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-014	Sharon Lynne Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1551	205
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-018	Mary Rose Walker	Northeast Natural Energy, LLC	12.5% or Greater	1559	164
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-006	John Walker	Northeast Natural Energy, LLC	12.5% or Greater	1564	339
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-016	Mary Walker	Northeast Natural Energy, LLC	12.5% or Greater	1564	262
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
HH	WV-061-003015-008	William Dale Walker, Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1722	780
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
II	WV-061-003015-015	Wilda Gail Angelone	Northeast Natural Energy, LLC	12.5% or Greater	1551	215
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II	WV-061-003015-013	Karen Rose Tennant Bartolina	Northeast Natural Energy, LLC	12.5% or Greater	1552	442
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II	WV-061-003015-019	Susan Jane Rogers Brown	Northeast Natural Energy, LLC	12.5% or Greater	1552	349
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
II	WV-061-003015-012	Bonnie Colosino	Northeast Natural Energy, LLC	12.5% or Greater	1722	781
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
II	WV-061-003015-021	Donna J. Rogers Hovatt	Northeast Natural Energy, LLC	12.5% or Greater	1559	162
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
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II	WV-061-003015-007	Aleda Meredith	Northeast Natural Energy, LLC	12.5% or Greater	1158	825
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
II	WV-061-003015-011	Winnie V. Michael	Northeast Natural Energy, LLC	12.5% or Greater	1551	201
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
II	WV-061-003015-028	Lisa Gay Rogers Reed	Northeast Natural Energy, LLC	12.5% or Greater	1565	293
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
II	WV-061-003015-024	Sheila Rodgers	Northeast Natural Energy, LLC	12.5% or Greater	1722	782
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
II	WV-061-003015-022	David Lee Rogers	Northeast Natural Energy, LLC	12.5% or Greater	1566	100
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
II	WV-061-003015-020	Debra L. Rogers	Northeast Natural Energy, LLC	12.5% or Greater	1559	160

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II	WV-061-003015-017	Rodney A. Rogers	Northeast Natural Energy, LLC	12.5% or Greater	1551	221
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II	WV-061-003015-025	William Rogers	Northeast Natural Energy, LLC	12.5% or Greater	1559	166
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
II	WV-061-003015-005	Lewis D. Runion	Northeast Natural Energy, LLC	12.5% or Greater	1564	341
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II	WV-061-003015-010	Carl Alan Walker	Northeast Natural Energy, LLC	12.5% or Greater	1564	186
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
II	WV-061-003015-018	Mary Rose Walker	Northeast Natural Energy, LLC	12.5% or Greater	1559	164
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II	WV-061-003015-006	John Walker	Northeast Natural Energy, LLC	12.5% or Greater	1564	339
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
II	WV-061-003015-016	Mary Walker	Northeast Natural Energy, LLC	12.5% or Greater	1564	262
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
II	WV-061-003015-008	William Dale Walker, Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1722	780
		Northeast Natural Energy, LLC	Marion Natural Energy, LLC	Deed Book	1825	774
JJ	WV-049-106358-001	Gary William Dayton	NNE Land LLC	12.5% or Greater	1322	64
		NNE Land LLC	Marion Natural Energy, LLC	Assignment Book	65	672
	WV-049-106358-002	Dena Adrienne Dayton	NNE Land LLC	12.5% or Greater	1322	347
		NNE Land LLC	Marion Natural Energy, LLC	Assignment Book	65	672

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August 12, 2024

WV Department of Environmental Protection
Office of Oil and Gas Management
601 57th Street, SE
Charleston, WV 25304

RE: Green Lakes 7H

Dear Permit Reviewer:

Please be advised that Northeast Natural Energy LLC has the right to drill, extract and produce the minerals beneath the following as identified on the included plat:

- Ministers Run Road (Route 25/6)
- Parsonage Road
- Chunks Run Road (Route 25/3)
- Hoodsville Grantstown Road
- Shuman Run Road (Route 25/1)
- McCurdysville Road (Route 29/3)
- Jakes Run Road (Route 29)
- Peter Eddy Road (Route 27/5)

Sincerely,

A handwritten signature in cursive script that reads 'Justin Moroosse'.

Justin Moroosse
Landman III

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

Date of Notice Certification: 08/14/2024

API No. 47- _____ - _____
Operator's Well No. 7H
Well Pad Name: Green Lakes

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:	<u>West Virginia</u>	UTM NAD 83	Eastings:	<u>574601.7</u>
County:	<u>Monongalia & Marion</u>		Northing:	<u>4382128.6</u>
District:	<u>Grant & Paw Paw</u>	Public Road Access:	<u>Hagans Rd/Route 37</u>	
Quadrangle:	<u>Grant Town</u>	Generally used farm name:	<u>Green Lakes</u>	
Watershed:	<u>Upper Monongahela River</u>			

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.

<p>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:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or</p> <p style="padding-left: 150px;"><input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> 5. PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION</p>	<p style="text-align: center;">OOG OFFICE USE ONLY</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input checked="" type="checkbox"/> RECEIVED</p> <p><input checked="" type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input checked="" type="checkbox"/> RECEIVED</p> <p><input checked="" type="checkbox"/> RECEIVED</p> <p><input checked="" type="checkbox"/> RECEIVED</p>
--	--

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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Certification of Notice is hereby given:

THEREFORE, I _____, 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: Marion Natural Energy LLC
By: Hollie Medley
Its: Regulatory Manager
Telephone: 304-414-7060

Address: 707 Virginia St. E, Suite 1200
Charleston, WV 25301
Facsimile: _____
Email: hmedley@nne-llc.com



Hollie Medley
Subscribed and sworn before me this 14th day of August, 2024
Kristen Brooks Notary Public
My Commission Expires Aug. 10, 2028

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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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: 8/5/24 Date Permit Application Filed: 8/15/24

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: see attached
Address: _____

Name: _____
Address: _____

SURFACE OWNER(s) (Road and/or Other Disturbance)
Name: see attached
Address: _____

Name: _____
Address: _____

SURFACE OWNER(s) (Impoundments or Pits)
Name: _____
Address: _____

COAL OWNER OR LESSEE
Name: see attached
Address: _____

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: _____

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Environmental Protection

*Please attach additional forms if necessary

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.

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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 for a 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

11/01/2024

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(8-13)

4704902561
API NO. 47
OPERATOR WELL NO. 7H
Well Pad Name: Green Lakes

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

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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.**

11/01/2024

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.

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WW-6A
(8-13)

4704902561
API NO. 47-
OPERATOR WELL NO. 7H
Well Pad Name: Green Lakes

Notice is hereby given by:

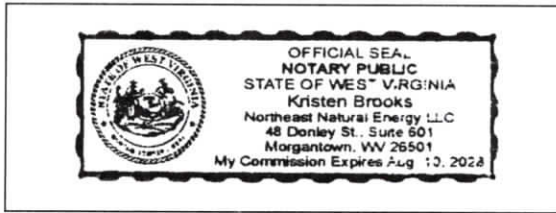
Well Operator: Marion Natural Energy LLC
Telephone: 304-414-7060
Email: hmedley@nne-llc.com

Address: 707 Virginia Street E., Suite 1200
Charleston, WV 25301
Facsimile: 304-414-7061

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 deprivacyofficer@wv.gov.

Hellen M. Mealy



Subscribed and sworn before me this 26th day of July, 2024

Kristen Brooks Notary Public

My Commission Expires Aug. 10, 2028

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11/01/2024



GREEN LAKES WW
AUGUST 11, 2023
SCALE - (1" = 800')

11/01/2024

Surface Owners

Parker A. Bell & Alice J Bell ✓
266 Morgan Ridge Rd., Suite 1200
Fairmont, WV 26554

Ministers Run Property Management LLC ✓
408 K St.
Mt. Lake Park, MD 21550

Surface Owners (Road/Other
Disturbance)

Larry Keller Life Estate & Gary Dayton ✓
266 Morgan Ridge Rd
Fairmont, WV 26554

Jerry G Sisler ✓
413 Sisler Lane
Friendsville, MD 21531

Nick Butler & June Butler ✓
105 Hawkins Rd
Rivesville, WV 26588

Jack L Tucker ✓
100 Glasscock Hollow
Rivesville, WV 26588

Christopher S. Sams ✓
137 Glasscock Hollow
Rivesville, WV 26588

Coal Owner or Lessee

Marion County Coal Resources ✓
46226 National Road
St. Clairsville, OH 43950

Surface Owner of Water Well

Wright P Bowen ✓
870 Ministers Run Rd.
Rivesville, WV 26588

Jerry G Sisler ✓
413 Sisler Lane
Friendsville, MD 21531

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

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

Date of Notice: 5/11/2023 **Date of Planned Entry:** 5/17/2023

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: Gary W Dayton

Address: 266 Morgan Ridge Rd.
Fairmont, WV 26554

Name: _____

Address: _____

Name: _____

Address: _____

COAL OWNER OR LESSEE

Name: _____

Address: _____

MINERAL OWNER(s)

Name: _____

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: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>39.58601, -80.13127</u>
County: <u>Monongalia & Marion</u>	Public Road Access: <u>Hawkins Rd</u>
District: <u>Grant & Paw Paw</u>	Watershed: <u>Upper Monongahela River</u>
Quadrangle: <u>Grant Town</u>	Generally used farm name: <u>Green Lakes</u>

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: Northeast Natural Energy LLC

Telephone: 304-414-7060

Email: hmedley@nne-llc.com

Address: 707 Virginia St. E, Suite 1200
Charleston, WV 25301

Facsimile: _____

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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.

11/01/2024

4704902561

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: 6/12/2023 **Date of Planned Entry:** 6/19/2023

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: Joseph S Kudla II
Address: PO Box 18
Sharpsburg, MD 21782

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: _____
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: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>39.58601, -80.13127</u>
County: <u>Monongalia & Marion</u>	Public Road Access: <u>Hawkins Rd</u>
District: <u>Grant & Paw Paw</u>	Watershed: <u>Upper Monongahela River</u>
Quadrangle: <u>Grant Town</u>	Generally used farm name: <u>Green Lakes</u>

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: Northeast Natural Energy LLC
Telephone: 304-414-7060
Email: hmedley@nne-llc.com

Address: 707 Virginia St. E, Suite 1200
Charleston, WV 25301
Facsimile: _____

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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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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: 5/11/2023 **Date of Planned Entry:** 5/17/2023

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: Nick & June Butler
Address: 105 Hawkins Rd.
Rivesville, WV 26588

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: _____
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: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>39.58601, -80.13127</u>
County: <u>Monongalia & Marion</u>	Public Road Access: <u>Hawkins Rd</u>
District: <u>Grant & Paw Paw</u>	Watershed: <u>Upper Monongahela River</u>
Quadrangle: <u>Grant Town</u>	Generally used farm name: <u>Green Lakes</u>

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: Northeast Natural Energy LLC
Telephone: 304-414-7060
Email: hmedley@nne-lic.com

Address: 707 Virginia St. E., Suite 1200
Charleston, WV 25301
Facsimile: _____

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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.

11/01/2024

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL**

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

Notice Time Requirement: Notice shall be provided at least **TEN (10)** days prior to filing a permit application.
Date of Notice: 08/05/2024 **Date Permit Application Filed:** 08/15/2024

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

HAND DELIVERY CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s):

Name: Parker A. Bell & Alice J Bell
Address: 266 Morgan Ridge Rd., Suite 1200
Fairmont, WV 26554

Name: _____
Address: _____

Notice is hereby given:

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

State: <u>West Virginia</u>	UTM NAD 83 Easting: <u>574601.7</u>
County: <u>Monongalia/Marion</u>	Northing: <u>4382128.6</u>
District: <u>Grant/Paw Paw</u>	Public Road Access: <u>Hagans Rd/Route 37</u>
Quadrangle: <u>Grant Town</u>	Generally used farm name: <u>Green Lakes</u>
Watershed: <u>Upper Monongahela River</u>	

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. 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.

Notice is hereby given by:

Well Operator: Marion Natural Energy LLC
Address: 707 Virginia St. E., Suite 1200
Charleston, WV 25301
Telephone: 304-414-7060
Email: hmedley@nne-llc.com
Facsimile: _____

Authorized Representative: Brett Loglin
Address: 707 Virginia St. E., Suite 1200
Charleston, WV 25301
Telephone: 304-414-7060
Email: bloflin@nne-llc.com
Facsimile: _____

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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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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: 08/05/2024 **Date Permit Application Filed:** 08/15/2024

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: Parker A. Bell & Alice J Bell
Address: 266 Morgan Ridge Rd., Suite 1200
Fairmont, WV 26554

Name: _____
Address: _____

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: <u>West Virginia</u>	UTM NAD 83	Easting: <u>574601.7</u>
County: <u>Monongalia/Marion</u>		Northing: <u>4382128.6</u>
District: <u>Grant/Paw Paw</u>	Public Road Access: <u>Hagans Rd/Route 37</u>	
Quadrangle: <u>Grant Town</u>	Generally used farm name: <u>Green Lakes</u>	
Watershed: <u>Upper Monongahela River</u>		

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: Marion Natural Energy LLC
Telephone: 304-414-7060
Email: hmedley@nne-llc.com

Address: 707 Virginia St. E., Suite 1200
Charleston, WV 25301
Facsimile: _____

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WV Department of
Environmental Protection

11/01/2024

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions

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.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

I, Wright Bowen, 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 on Form WW-6A and attachments consisting of pages one (1) through _____, 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>West Virginia</u>	UTM NAD 83	Easting:	<u>574601.7</u>
County:	<u>Monongalia/Marion</u>		Northing:	<u>4382128.6</u>
District:	<u>Grant/Paw Paw</u>	Public Road Access:	<u>Hagans Rd/Route 37</u>	
Quadrangle:	<u>Grant Town</u>	Generally used farm name:	<u>Green Lakes</u>	
Watershed:	<u>Upper Monongahela River</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.

*Please check the box that applies

- SURFACE OWNER
- SURFACE OWNER (Road and/or Other Disturbance)
- SURFACE OWNER (Impoundments/Pits)
- COAL OWNER OR LESSEE
- COAL OPERATOR
- WATER PURVEYOR
- OPERATOR OF ANY NATURAL GAS STORAGE FIELD

FOR EXECUTION BY A NATURAL PERSON

Signature: Wright Bowen
Print Name: Wright Bowen
Date: 8/10/24

FOR EXECUTION BY A CORPORATION, ETC.

Company: _____
By: _____
Its: _____
Signature: _____
Date: _____

RECEIVED
Office of Oil and Gas
AUG 19 2024

WV Department of
Environmental Protection

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.

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

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Watershed:	<u>Upper Monongahela River</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.

<p>*Please check the box that applies</p> <p><input checked="" type="checkbox"/> SURFACE OWNER</p> <p><input type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: <u>Mary Dayton</u></p> <p>Print Name: <u>Gary Dayton</u></p> <p>Date: <u>8-9-24</u></p> <p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: _____</p> <p>By: _____</p> <p>Its: _____</p> <p>Signature: _____</p> <p>Date: _____</p>
	<p>RECEIVED Office of Oil and Gas AUG 19 2024</p> <p>WV Department of Environmental Protection</p>

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.

11/01/2024



4704902561

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

Office of the District Engineer/Manager
District Four

Post Office Box 4220 · Clarksburg, West Virginia 26302 · (304) 842-1500

Alanna J. Keller, P.E.
Deputy Secretary of Transportation
Deputy Commissioner of Highways

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

July 23, 2024

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 Green Lakes Well Pad, Monongalia County
Green Lakes 7H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #04-2024-0452 which has been issued to Marion Natural Energy LLC for access to the State Road for a well site located off Monongalia County Route 37/8 SLS MP 0.77.

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

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Office of Oil and Gas
AUG 19 2024
WV Department of
Environmental Protection

Cc: Hollie Medley
Marion Natural Energy LLC
OM, D-4
File

Planned Additives To Be Used In Fracturing Stimulations

Trade Name	Purpose	Ingredients	Cemical Abstract Service Numner (CAS#)
Water	Carrier	Water	7732-18-5
HCl, 10.1-15%	Acidizing	Hydrochloric Acid Water	7647-01-0 7732-18-5
Alpha 1427	Biocide	Alkyl Dimethyl Benzyl Ammonium Chloride (C12-16) Ethanol Glutaraldehyde Quaternary Ammonium Chloride Water	68424-85-1 64-17-5 111-30-8 7173-51-5 7732-18-5
Enzyme G-NE	Breaker	Hemicellulase Enzyme Concentrate Water	9025-56-3 7732-18-5
CI-14	Corrosion Inhibitor	Fatty Acids Methanol Olefin Polyozyalkylenes Propargyl Alcohol	NA 67-56-1 NA NA 107-19-7
GW-3LDF	Gelling Agent	Guar Gum Petroleum Distillate Blend	9000-30-0 CBI
FRW-18	Friction Reducer	Hydrotreated Light Distillate	64742-47-8
Ferrotrol 300L	Iron Crontrol	Citric Acid	77-92-9
Sand, White, 40/70	Proppant	Cystalline Silica (Quartz)	14808-60-7
Sand, White, 100 mesh	Proppant	Cystalline Silica (Quartz)	14808-60-7
Scaletrol 720	Scale Inhibitor	Diethylene Glycol	111-46-6

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 Environmental Protection

4704902561

WEST VIRGINIA 811

TWO WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR MUST CONTACT THE WV ONE CALL SYSTEM, INC., 1-800-245-4848 (WV ONE CALL TICKET #2320827993)

GREEN LAKES WELL PAD GRANT DISTRICT, MONONGALIA COUNTY & PAW PAW DISTRICT, MARION COUNTY, WEST VIRGINIA JULY 2024

PLANS PREPARED BY:
BOORD BENCHEK & ASSOC., INC.
ENGINEERING, SURVEYING, CONSTRUCTION AND MINING SERVICES
SOUTHPOINTE, PA 15317 PHONE: 724-746-1055

OWNER

MARION NATURAL ENERGY LLC
707 VIRGINIA STREET EAST, SUITE 1200,
CHARLESTON, WV 25301

SHEET INDEX	
1.	TITLE SHEET
2-3.	EVACUATION ROUTE/PREVAILING WIND
4.	E&S CONTROL LAYOUT OVERVIEW
5-13.	E&S CONTROL LAYOUT
14.	E&S CONTROL AND SITE PLAN OVERVIEW
15-23.	E&S CONTROL AND SITE PLAN
24-27.	PROFILES
28-34.	CROSS-SECTIONS
35-37.	DETAILS
38.	RECLAMATION PLAN OVERVIEW
39-47.	RECLAMATION PLAN

TOTAL DISTURBED AREA:	45.27 AC.
ACCESS ROAD #1 DISTURBED AREA:	13.60 AC.
ACCESS ROAD #2 DISTURBED AREA:	2.81 AC.
WELL PAD DISTURBED AREA:	20.38 AC.
AST PAD DISTURBED AREA:	5.62 AC.
COUNTY ROAD RIGHT-OF-WAY AREA:	2.86 AC.



ANDREW BENCHEK
P.E.

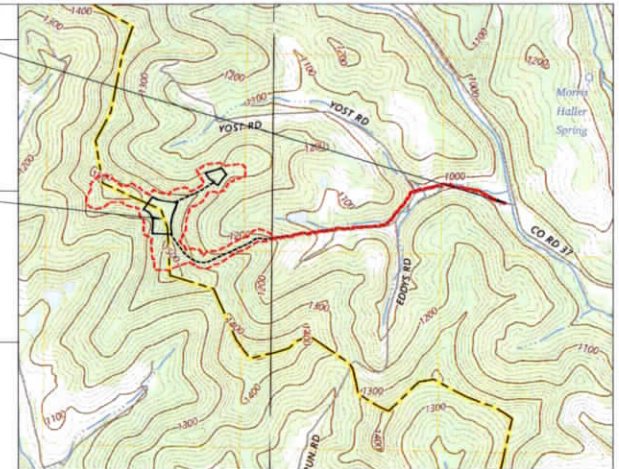
DATE

PROPERTY OWNER DISTURBANCE - 42.41 ACRES

NICK BUTLER AND JUNE BUTLER (TAX MAP AND PARCEL NUMBER 7-17-13)	0.66 AC.
NICK BUTLER AND JUNE BUTLER (TAX MAP AND PARCEL NUMBER 7-17-16)	2.69 AC.
MINISTERS RUN PROPERTY MANAGEMENT, LLC (TAX MAP AND PARCEL NUMBER 7-17-14)	22.32 AC.
LARRY KELLER LIFE ESTATE AND GARY DAYTON (TAX MAP AND PARCEL NUMBER 16-26-19)	6.03 AC.
PARKER A BELL AND ALICE J BELL (TAX MAP AND PARCEL NUMBER 16-26-26)	10.46 AC.
JERRY G SISLER (TAX MAP AND PARCEL NUMBER 16-26-21)	0.19 AC.
JACK L TUCKER (TAX MAP AND PARCEL NUMBER 7-17-23.2)	0.03 AC.
SAMS CHRISTOPHER S (TAX MAP AND PARCEL NUMBER 7-17-20)	0.03 AC.

COORDINATES

SITE ENTRANCE (NAD 83)	
LAT: 39° 35' 11.95"	
LON: -80° 06' 39.42"	
LAT: 39.586132°	
LON: -80.110462°	
(NAD 27)	
LAT: 39° 35' 09.78"	
LON: -80° 06' 40.40"	
CENTER OF WELLS (NAD 83)	
LAT: 39° 35' 09.01"	
LON: -80° 07' 52.28"	
LAT: 39.585835°	
LON: -80.131197°	
(NAD 27)	
LAT: 39° 35' 08.71"	
LON: -80° 07' 53.01"	



Digitally signed by
Gayne Knitowski,
Inspector
Date: 2024.08.07
08:11:39 -04'00'



REVISIONS		
NO.	DATE	DESCRIPTION

TITLE SHEET

GREEN LAKES WELL PAD
GRANT DISTRICT, MONONGALIA COUNTY
& PAW PAW DISTRICT, MARION COUNTY,
WEST VIRGINIA

SHEET

1
OF
47



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 Office of Oil and Gas
 AUG 19 2024
 WV Department of
 Environmental Protection

4704902561

OPERATOR: Marion Natural Energy LLC WELL NO: 7H

PAD NAME: Green Lakes

REVIEWED BY: Hollie Medley SIGNATURE: Hollie Medley

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

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WV Department of
Environmental Protection



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

Office of the District Engineer/Manager
District Four

Jimmy Wriston, P. E.
Secretary of Transportation

PO Box 4220 (EXIT 121, I-79) * Clarksburg, WV 26302 * 304-842-1500
July 16, 2024

MARION NATURAL ENERGY, LLC

707 VIRGINIA STREET EAST

SUITE 1200

CHARLESTON, WV 25301

Dear Applicant:

Your approved copy of Permit Number 04-2024-0450 for a T - Temporary

permit type is enclosed. A description of the work is on the permit.

Please contact the District Four office:

Lacy Pratt 304-326-0091

at least 48 hours in advance of the date you plan to begin work so arrangements can be made to inspect the work authorized by the permit.

Failure to comply will result in cancellation of your permit.

A copy of this permit is to be available on the job at all times while the work is in progress for inspection by the West Virginia Division of Highways' personnel.

Sincerely,

[Handwritten signature]

District Engineer / District Manager

[Handwritten signature]

Permit Supervisor

Initials: MD:SH:lp

Attachments: Yes

Enclosure: No

cc:OM 0431 O&G file

11/01/2024



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

Office of the District Engineer/Manager
District Four

Jimmy Wriston, P. E.
Secretary of Transportation

PO Box 4220 (EXIT 121, I-79) * Clarksburg, WV 26302 * 304-842-1500
July 16, 2024

MARION NATURAL ENERGY, LLC

707 VIRGINIA STREET EAST

SUITE 1200

CHARLESTON, WV 25301

Dear Applicant:

Your approved copy of Permit Number 04-2024-0451 for a T - Temporary

permit type is enclosed. A description of the work is on the permit.

Please contact the District Four office:

Lacy Pratt 304-326-0091

at least 48 hours in advance of the date you plan to begin work so arrangements can be made to inspect the work authorized by the permit.

Failure to comply will result in cancellation of your permit.

A copy of this permit is to be available on the job at all times while the work is in progress for inspection by the West Virginia Division of Highways' personnel.

Sincerely,

JAIL

District Engineer / District Manager

Lacy Pratt for

Permit Supervisor

Initials: MD:SH:lp

Attachments: Yes

Enclosure: No

cc:OM 0431 O&G file

11/01/2024



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

Office of the District Engineer/Manager
District Four

Jimmy Wriston, P. E.
Secretary of Transportation

PO Box 4220 (EXIT 121, I-79) * Clarksburg, WV 26302 * 304-842-1500
July 16, 2024

MARION NATURAL ENERGY, LLC

707 VIRGINIA STREET EAST

SUITE 1200

CHARLESTON, WV 25301

Dear Applicant:

Your approved copy of Permit Number 04-2024-0452 for a DP - Drilling Permit

permit type is enclosed. A description of the work is on the permit.

Please contact the District Four office:

Lacy Pratt 304-326-0091

at least 48 hours in advance of the date you plan to begin work so arrangements can be made to inspect the work authorized by the permit.

Failure to comply will result in cancellation of your permit.

A copy of this permit is to be available on the job at all times while the work is in progress for inspection by the West Virginia Division of Highways' personnel.

Sincerely,

Handwritten signature of Lacy Pratt

District Engineer / District Manager

Handwritten signature of Lacy Pratt for

Permit Supervisor

Initials: MD:SH:lp

Attachments: Yes

Enclosure: No

cc:OM 0431 O&G file

11/01/2024