



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

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

Thursday, October 1, 2026
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

NORTHEAST NATURAL ENERGY LLC
707 VIRGINIA STREET EAST
STE 1200
CHARLESTON, WV 25301

Re: Permit Modification Approval for Laurita 13H
47-061-02034-00-00

Extended Lateral

NORTHEAST NATURAL ENERGY LLC

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

A handwritten signature in black ink, reading "H. Jason Harmon".

H. Jason Harmon
Chief

Operator's Well Number: Laurita 13H
Farm Name: NORTHEAST NATURAL ENERGY LLC
U.S. WELL NUMBER: 47-061-02034-00-00
Horizontal 6A New Drill
Date Modification Issued: 10/1/2026

Promoting a healthy environment.

10/02/2026

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

- 1) Well Operator: Northeast Natural Energy 494498281 Monongalia Grant Rivesville
Operator ID County District Quadrangle
- 2) Operator's Well Number: 13H Well Pad Name: Laurita
- 3) Farm Name/Surface Owner: Northeast Natural Energy LLC Public Road Access: Hagans Rd 37
- 4) Elevation, current ground: 1176' Elevation, proposed post-construction: 1173.5'
- 5) Well Type (a) Gas X Oil _____ Underground Storage _____
Other _____
(b) If Gas Shallow X Deep _____
Horizontal X
- 6) Existing Pad: Yes or No Yes
- 7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 7,856', 100', 5,110 psi
- 8) Proposed Total Vertical Depth: 7,937'
- 9) Formation at Total Vertical Depth: Marcellus
- 10) Proposed Total Measured Depth: 27,511'
- 11) Proposed Horizontal Leg Length: 17,840'
- 12) Approximate Fresh Water Strata Depths: 70' , 587'
- 13) Method to Determine Fresh Water Depths: Drillers log from offset wells (including 47-049-02585)
- 14) Approximate Saltwater Depths: 1,964'
- 15) Approximate Coal Seam Depths: 500' and 587'
- 16) Approximate Depth to Possible Void (coal mine, karst, other): No voids expected
- 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: _____

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	N/A	N/A	100	100	CTS
Fresh Water	13-3/8	New	J-55	54.5	760	730	CTS
Coal	-	-	-	-	-	-	-
Intermediate	9-5/8	New	J-55	36.0	2,110	2,080	CTS
Production	5-1/2	New	HP P-110	23.0	27,511'	27,461'	6,045
Tubing	2-7/8	New	P-110	6.5	N/A	8,500	N/A
Liners	-	-	-	-	-	-	-

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	N/A	N/A	N/A	Class A or L	1.19
Fresh Water	13-3/8	17-1/2	0.380	2,730	1,600	Class A or L	1.14
Coal	-	-	-	-	-	-	-
Intermediate	9-5/8	12-3/8	0.395	3,520	2,800	Class A or L	1.19
Production	5-1/2	8-3/4	0.415	17,920	12,500	50:50 Poz	1.16
Tubing	2-7/8	N/A	0.217	13,870	N/A	N/A	N/A
Liners	-	-	-	-	-	-	-

PACKERS

Kind:				RECEIVED State of Oil and Gas
Sizes:				SEP 11 2026
Depths Set:				WY Department of Environmental Protection

Robert J. Hitt
9-1-26

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 drilling rig and 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). 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 12,500 psi and a max rate of 100 bpm. Once frac has finished, a drill out rig will drill all the plugs out of the well. Flowback will then be rigged up and flowback of the well will begin until it is ready to be turned in line via casing flow. At a later time during the life of the well, production tubing will be installed based on the wells performance.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 29.34

22) Area to be disturbed for well pad only, less access road (acres): 11.85

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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 joint in the lateral to KOP. Bow springs from KOP to surface every third joint.

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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 to meet well specific requirements

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 begin once the wellbore has been circulated cleaned.
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

Area: Monongalia County, WV
Field: Monongalia
Facility: Laurita Pad
Slot: 13H

Well: Laurita 13H
UW/Legal:
Wellbore: Laurita 13H PWB
Wellpath: Laurita 13H PWP Ex-01



Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	0.00	0.000	61.909	0.00	0.00	0.00	0.00	0.00
SRFC Casing (Est.)	805.00	0.000	61.909	805.00	0.00	0.00	0.00	0.00
INT Casing (Est.)	2150.00	0.000	61.909	2150.00	0.00	0.00	0.00	0.00
KOP	2270.00	0.000	61.909	2270.00	0.00	0.00	0.00	0.00
Start Tangent	3354.39	37.954	61.909	3276.80	163.02	305.43	3.50	-47.10
Curve KOP	8485.63	37.954	61.909	7322.85	1649.01	3089.51	0.00	-476.44
LP	9670.65	90.000	324.087	7937.00	2505.39	3055.25	8.00	237.27
BHL	27510.65	90.000	324.087	7937.00	16954.16	-7408.91	0.00	18077.27

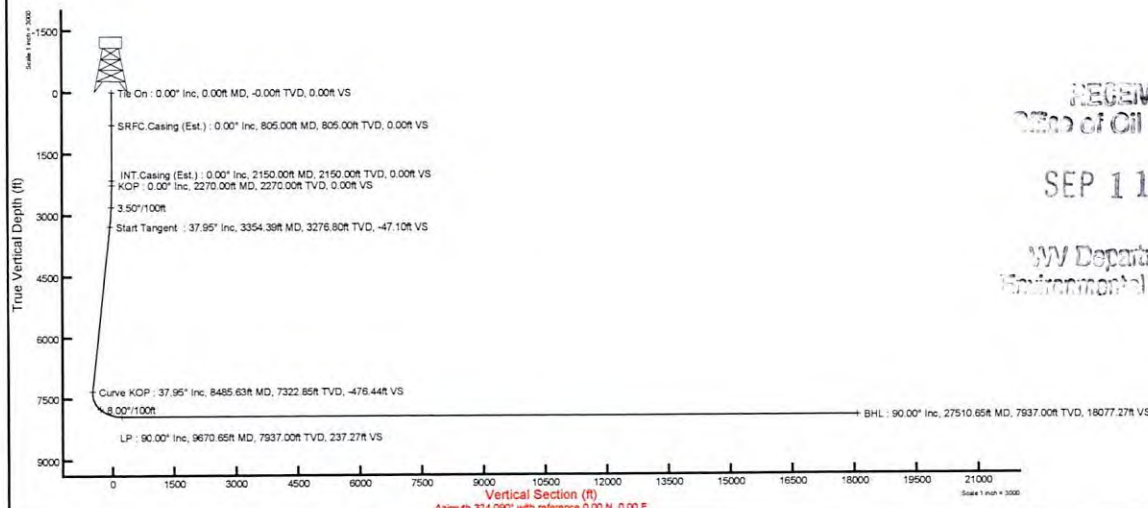
Bottom Hole Location

MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
27510.65	90.000	324.087	7937.00	16954.16	-7408.91	1789387.91	416224.41	39°38'27.6491"N	80°08'9.7400"W



HDM2025v1.0 (1900.0 to 2028.0) Dip: 66.02° Field: 51542.5 nT
Magnetic North is 9.41 degrees West of True North (at 2025-07-02)
Grid North is 0.39 degrees West of True North
To correct azimuth from True to Grid add 0.39 degrees
To correct azimuth from Magnetic to Grid subtract 9.02 degrees

Post reference wellpath is Laurita 13H PWP Ex-01				Grid System: NAD83 / Lambert West Virginia SP, northern Zone (4701), US feet			
True vertical depths are referenced to Rig on Slot #07 (RT)				North Reference: Grid north			
Reference wellpath measured depths are referenced to Rig on Slot #07 (RT)				Scale: True distance			
Rig on Slot #07 (RT) to Mean Sea Level: 0 feet				Coordinates are in feet referenced to Slot			
Mean Sea Level to Ground level (At Slot 13H): 0 feet				Depths are in feet			
Other wellpath MDs are referenced to each path's default MD datum				Created by: Program on 2025-05-18, Database: WVA-MPL, EASTERNUS, Delm			
Location Information							
Facility Name		Grid East (US ft)		Grid North (US ft)		Latitude	Longitude
Laurita Pad		1796767.100		399290.500		39°35'40.7910N	80°06'33.9400W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)		Grid North (US ft)		Latitude
13H	-19.21	29.20	1796766.350		399271.290		39°35'40.6031N
Rig on Slot #07 (RT) to Ground level (At Slot 13H)						05	80°06'33.9640W
Rig on Slot #07 (RT) to Ground level (At Slot 13H)						05	
Rig on Slot #07 (RT) to Mean Sea Level						05	
Survey Program							
Station Name	Station Code	Station Type	Station MD (ft)	Station Elev (ft)	Station Elev (ft)	Notes	Log/Well/Company
1	001	RT	0.00	848.00	7916.00	RT Station - gas, oil, water, etc.	Laurita (Laurita Pad)
2	002	RT	0.00	848.00	7916.00	RT Station - gas, oil, water, etc.	Laurita (Laurita Pad)
3	003	RT	0.00	848.00	7916.00	RT Station - gas, oil, water, etc.	Laurita (Laurita Pad)
4	004	RT	0.00	848.00	7916.00	RT Station - gas, oil, water, etc.	Laurita (Laurita Pad)
Targets							
Name	MD (ft)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude
Laurita 13H (BHL Rev-1)	27510.65	7937.00	16954.16	-7468.91	1796767.100	399241.290	39°35'40.7910N
Laurita 13H LP Rev-1	N/A	7937.00	-2468.97	179650.28	451465.11	39°34'24.240N	80°05'53.4751W
Laurita Pad N Unit (10-18-2025)	N/A	9000.00	15127.08	-14069.62	1796722.60	414304.47	39°39'19.119N
Formation Tops							
Formation	MD (ft)	TVD (ft)	Dip (°)	Dip Azimuth (°)	Formation Name		
Genesee	8407.21	7156.00	0.000	0.000	Genesee		
Tully	9035.99	7741.00	0.000	0.000	Tully		
Hamilton	9165.11	7816.00	0.000	0.000	Hamilton		
Upper Marlboro	9237.27	7855.00	0.000	0.000	Upper Marlboro		
Cherry Valley	9245.67	7856.00	0.000	0.000	Cherry Valley		
Lower Marlboro	9586.18	7954.00	0.000	0.000	Lower Marlboro		
Chondaga					Chondaga		



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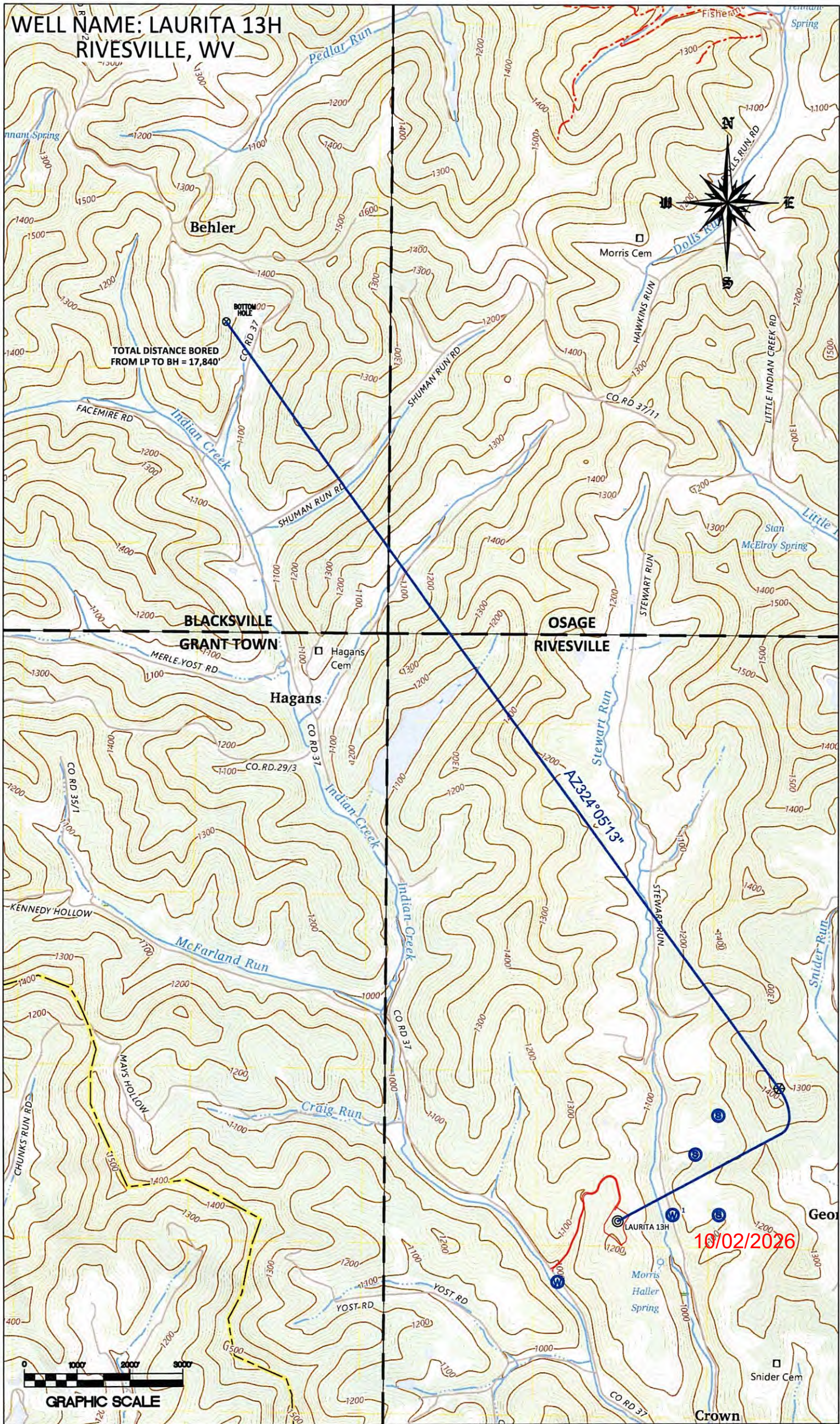
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Laurita 13H Area of Review

API Number	Well Name	Well Number	Operator	Latitude (NAD 83)	Longitude (NAD 83)	TMP	TVD	Producing Formation	Notes
061-00387	A Arnett	3693	Diversified Production, LLC	39.595356	-80.104681	7-17-57	2401'	Gantz	
061-01764	Gordon W & Sheila M Lawson	WV516194	EQT Production Company	39.596204	-80.103513	7-17-57	NA	NA	Never Drilled
061-01765	Gordon W & Sheila M Lawson	WV516195	EQT Production Company	39.596177	-80.103471	7-17-57	NA	NA	Never Drilled
061-01763	Gordon W & Sheila M Lawson	WV516193	EQT Production Company	39.596254	-80.103425	7-17-57	NA	NA	Never Drilled
061-01762	Gordon W & Sheila M Lawson	WV516192	EQT Production Company	39.596229	-80.103382	7-17-57	NA	NA	Never Drilled
061-00384	N E Michael	2968	Diversified Production, LLC	39.614351	-80.108624	7-10-17	3019'	Fifth	
061-01718	M V & B A Eddy	5H	Northeast Natural Energy LLC	39.63604	-80.130181	4-21-34	NA	NA	Never Drilled
061-01719	M V & B A Eddy	9H	Northeast Natural Energy LLC	39.636096	-80.130059	4-21-34	NA	NA	Never Drilled
061-02028	NA	NA	NNE RESOURCES LLC	39.595212	-80.109253	7-17-36	NA	NA	Plugged

WELL NAME: LAURITA 13H
RIVESVILLE, WV



	PROPERTY OWNER INDEX
7-17-36	NORTHEAST NATURAL ENERGY LLC
7-17-38	PATRICIA KELLY
7-17-37	ALFRED JUNIOR GLOVER
7-17-57	GORDON WAYNE & SHEILA M LAWSON
7-17-60	GORDON WAYNE & SHEILA M LAWSON
7-10-25	ROBERT & VIRGINIA RADCLIFF IRREVOCABLE TRUST
7-17-59	TIMOTHY ZAHARKO
7-10-24	TIMOTHY ZAHARKO
7-10-24.1	GREG & LOUANN RADICIC
7-10-23.1	EARL L BREEDLOVE & CHRISTINE F FISHER-BREEDLOVE
7-10-23	HAROLD D FISHER
7-10-19	JAMES M GORMAN
7-10-17	TAMMY LYNN & KRIS B CAMPBELL
7-10-14	VIRGIL L WHETZEL JR & LINDA P WHETZEL
7-10-13	VIRGIL L WHETZEL JR & LINDA P WHETZEL
7-10-10	VIRGIL L WHETZEL JR & LINDA P WHETZEL
4-22-20	CNX LAND LLC
4-22-19	JOSEPH, KAREN, & TIMOTHY J TAKASH
4-22-19.4	TWILA KUCISH & CANDY LONG
4-22-19.3	LEONARD A & LORA A SMITH
4-22-18	BILLIE KUCISH
4-22-17	BILLIE KUCISH
4-22-22	NANCY REBECCA LAYMAN
4-22-13	MICHAEL PAUL & SCOTT ADAM WADE
4-21-34	BETTY & CHRISTOPHER P EDDY; CAROL A TENNANT
4-21-33	BERNARD L & DARRYL W CORDRAY
4-21-32	BERNARD L CORDRAY
4-21-33.1	DARYL W & KIMBERLY J CORDRAY
4-22-2	NORMAN CORDRAY EST
4-21-29	BRIDGET HAAS

	LEASE INDEX		
A	WV-061-00219-001	M	WV-061-086279-001
B	WV-061-107054-003	N	WV-061-086279-001
C	WV-061-006290-002	O	WV-061-086123-001
D	WV-061-086281-002	P	WV-061-007183-001
E	WV-061-106371-002	Q	WV-061-006867-001
F	WV-061-086111-001	R	WV-061-006594-004
G	WV-061-106280-001	S	WV-061-007459-002
H	WV-061-086280-001	T	WV-061-001603-026
I	WV-061-106440-001	U	WV-061-004008-001
J	WV-061-606139-001	V	WV-061-004020-000
K	WV-061-086282-001	W	WV-061-003597-041
L	WV-061-006390-002	X	WV-061-003597-003

10/02/2026

FILE #: NNE25	DATE: JUNE 24, 2026
DRAWING #: 4147	OPERATOR'S WELL #: LAURITA 13H
SCALE: N/A	API WELL #: 47 061 02034 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				

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

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

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

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

Well Operator: Northeast Natural Energy LLC
By: Hollie Medley
Its: Regulatory Manager

WW-6A1			Operators Well No. Laurita 13H			
Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
A	WV-061-00219-001	ET Blue Grass, LLC	Northeast Natural Energy LLC	Affidavit of Asset Contribution	186	257
B	WV-061-107054-003	The James L. Laurita Family Limited Partnership	Marion Natural Energy LLC	12.5% or Greater	1894	366
B	WV-061-107054-001	The Karen E. Richter Trust dated July 2, 2009	Marion Natural Energy LLC	12.5% or Greater	166	338
B	WV-061-107054-002	Shuman Inc.	Marion Natural Energy LLC	12.5% or Greater	1890	25
**Note: All agreements to Marion Natural Energy LLC are subject to a Confirmatory Deed & Assignment with Northeast Natural Energy LLC filed at 1407/236-241 in Marion County.						
C	WV-061-006290-002	Ann Stefanick	Northeast Natural Energy LLC	12.5% or Greater	1906	655
D	WV-061-086281-002	Rhonda L. Radcliff	Marion Natural Energy LLC	12.5% or Greater	1808	344
D	WV-061-086281-001	Rita K. Radcliff-Deppe	Marion Natural Energy LLC	12.5% or Greater	1808	347
**Note: All agreements to Marion Natural Energy LLC are subject to a Confirmatory Deed & Assignment with Northeast Natural Energy LLC filed at 1407/236-241 in Marion County.						
E	WV-061-106371-002	Virginia D. Hedger	Marion Natural Energy LLC	12.5% or Greater	1810	643
E	WV-061-106371-004	Erin M. Jones	Marion Natural Energy LLC	12.5% or Greater	1892	573
E	WV-061-106371-003	Lindsey Dubec	Marion Natural Energy LLC	12.5% or Greater	1892	529
E	WV-061-006971-006	Krista L. Youngblood	Northeast Natural Energy LLC	12.5% or Greater	190	75
E	WV-061-006371-005	Jonathan R. Moore	Northeast Natural Energy LLC	12.5% or Greater	190	67
E	WV-061-00219-001	Country Roads Minerals LLC	EQT Production Company	12.5% or Greater	1882	411
E		EQT Production Company	Northeast Natural Energy LLC	Affidavit of Asset Contribution	186	257
E	WV-061-00219-001	LaCore Agriculture LLC	EQT Production Company	12.5% or Greater	1882	414
E		EQT Production Company	Northeast Natural Energy LLC	Affidavit of Asset Contribution	186	257
**Note: All agreements to Marion Natural Energy LLC are subject to a Confirmatory Deed & Assignment with Northeast Natural Energy LLC filed at 1407/236-241 in Marion County.						
F	WV-061-086111-001	Lynn Ann Nicholas	NNE Land LLC	12.5% or Greater	1803	824
		NNE Land LLC	Marion Natural Energy LLC	Assignment	162	769
F	WV-061-106113-003	Sharon Miller	Marion Natural Energy LLC	12.5% or Greater	1892	527
F	WV-061-106113-002	Susan Brancheau	Marion Natural Energy LLC	12.5% or Greater	1892	525
F	WV-061-106113-004	Casey N. Hartley	Marion Natural Energy LLC	12.5% or Greater	1893	652
F	WV-061-086113-001	Zachary D. Hartley	NNE Land LLC	12.5% or Greater	1798	704
		NNE Land LLC	Marion Natural Energy LLC	Assignment	162	769
**Note: All agreements to Marion Natural Energy LLC are subject to a Confirmatory Deed & Assignment with Northeast Natural Energy LLC filed at 1407/236-241 in Marion County.						
G	WV-061-106280-001	Timothy Zaharko	Marion Natural Energy LLC	12.5% or Greater	1808	282
**Note: All agreements to Marion Natural Energy LLC are subject to a Confirmatory Deed & Assignment with Northeast Natural Energy LLC filed at 1407/236-241 in Marion County.						
H	WV-061-086280-001	Timothy Zaharko	Marion Natural Energy LLC	12.5% or Greater	1829	293
**Note: All agreements to Marion Natural Energy LLC are subject to a Confirmatory Deed & Assignment with Northeast Natural Energy LLC filed at 1407/236-241 in Marion County.						
I	WV-061-106440-001	Earl L. Breedlove and Christine F. Fisher-Breedlove, JTROS	Marion Natural Energy LLC	12.5% or Greater	1820	76
**Note: All agreements to Marion Natural Energy LLC are subject to a Confirmatory Deed & Assignment with Northeast Natural Energy LLC filed at 1407/236-241 in Marion County.						
J	WV-061-606139-001	Harold D. Fisher	Marion Natural Energy LLC	12.5% or Greater	1795	285
**Note: All agreements to Marion Natural Energy LLC are subject to a Confirmatory Deed & Assignment with Northeast Natural Energy LLC filed at 1407/236-241 in Marion County.						
K	WV-061-086282-001	James M. Gorman	Marion Natural Energy LLC	12.5% or Greater	1808	326
**Note: All agreements to Marion Natural Energy LLC are subject to a Confirmatory Deed & Assignment with Northeast Natural Energy LLC filed at 1407/236-241 in Marion County.						
L	WV-061-006390-002	Arlie Edward Campbell, II and Tammy Lynn Campbell	Northeast Natural Energy	12.5% or Greater	1923	844
M	WV-061-086279-001	Virgil L. Whetzel Jr. and Linda S. Whetzel, JTROS	Marion Natural Energy LLC	12.5% or Greater	1808	324
**Note: All agreements to Marion Natural Energy LLC are subject to a Confirmatory Deed & Assignment with Northeast Natural Energy LLC filed at 1407/236-241 in Marion County.						
N	WV-061-086279-001	Virgil L. Whetzel Jr. and Linda S. Whetzel, JTROS	Marion Natural Energy LLC	12.5% or Greater	1808	324
**Note: All agreements to Marion Natural Energy LLC are subject to a Confirmatory Deed & Assignment with Northeast Natural Energy LLC filed at 1407/236-241 in Marion County.						
O	WV-061-086123-001	Ryan C. Radtka	NNE Land LLC	12.5% or Greater	1795	293
		NNE Land LLC	Marion Natural Energy LLC	Assignment	162	769
**Note: All agreements to Marion Natural Energy LLC are subject to a Confirmatory Deed & Assignment with Northeast Natural Energy LLC filed at 1407/236-241 in Marion County.						
P	WV-061-007183-001	Shuman Inc.	Northeast Natural Energy LLC	12.5% or Greater	1890	34
Q	WV-061-006867-001	AMP V LP	Northeast Natural Energy LLC	12.5% or Greater	1876	188
R	WV-061-006594-004	Nancy Louise Warton	Northeast Natural Energy LLC	12.5% or Greater	1852	278
R	WV-061-006594-003	Helen Rogers	Northeast Natural Energy LLC	12.5% or Greater	1852	275
R	WV-061-006594-002	George H. Rogers, Jr.	Northeast Natural Energy LLC	12.5% or Greater	1852	281
R	WV-061-006594-005	Julie Moody	Northeast Natural Energy LLC	12.5% or Greater	1863	446
R	WV-061-006594-001	Roger Henry Peterson	Northeast Natural Energy LLC	12.5% or Greater	1841	245
S	WV-061-007459-002	Chauncy Allen Layman (Rebecca Layman heir)	Northeast Natural Energy LLC	12.5% or Greater	1906	15
S	WV-061-007459-001	Roberta Charlene Straight	Northeast Natural Energy LLC	12.5% or Greater	1903	585
S	WV-061-007459-003	Serena Sue Straight	Northeast Natural Energy LLC	12.5% or Greater	1903	570
S	WV-061-007459-004	Cassie Lee Difucci	Northeast Natural Energy LLC	12.5% or Greater	1907	805
T	WV-061-001603-026	Ridgetop Appalachia LLC	Northeast Natural Energy LLC	12.5% or Greater	1810	49
T	WV-061-006325-001	Ridgetop Ten LLC	Northeast Natural Energy LLC	12.5% or Greater	1810	49
T	WV-061-006325-002	John A. Barker	Northeast Natural Energy LLC	12.5% or Greater	1814	514
T	WV-061-006325-003	Steven J. Nail	Northeast Natural Energy LLC	12.5% or Greater	1814	516
T	WV-061-006325-004	Robert W. Barker II	Northeast Natural Energy LLC	12.5% or Greater	1814	518
T	WV-061-006321-004	Clarence M. Myers	Northeast Natural Energy LLC	12.5% or Greater	1812	346
T	WV-061-006321-001	Lloyd W. Mundell	Northeast Natural Energy LLC	12.5% or Greater	1810	45
T	WV-061-006321-002	Walter S. Mundell	Northeast Natural Energy LLC	12.5% or Greater	1810	47
T	WV-061-006184-001	Jack Cordray	Northeast Natural Energy LLC	12.5% or Greater	1798	346
T	WV-061-006184-002	Kathleen Cordray Marcellus	Northeast Natural Energy LLC	12.5% or Greater	1798	348
T	WV-061-006184-003	Mary Cordray	Northeast Natural Energy LLC	12.5% or Greater	1798	350
T	WV-061-006184-004	Sandra Cordray	Northeast Natural Energy LLC	12.5% or Greater	1805	103
T	WV-061-006184-005	Sharon Cordray Windham	Northeast Natural Energy LLC	12.5% or Greater	1805	101
T	WV-061-006184-006	Shawn Cordray	Northeast Natural Energy LLC	12.5% or Greater	1798	725
T	WV-061-006184-008	Rebecca Galeota	Northeast Natural Energy LLC	12.5% or Greater	1810	605
T	WV-061-006184-009	Cheryl Walls	Northeast Natural Energy LLC	12.5% or Greater	1810	607
T	WV-061-006184-007	Kenneth Cordray	Northeast Natural Energy LLC	12.5% or Greater	1810	603
T	WV-061-001603-027	Master Mineral Holdings I, LP	Northeast Natural Energy LLC	12.5% or Greater	1856	8

U	WV-061-004008-001	David J. Eddy and Elizabeth A. Eddy	David F. Morris	12.5% or Greater	95	355
		David F. Morris	Hagens Oil and Gas Company	Deed Book	95	357
		Hagens Oil and Gas Company	JH McDermott, Noah Moore and Jesse Moore	Deed Book	147	463
		JH McDermott, Noah Moore and Jesse Moore	Marshall Oil and Gas Company	Deed Book	159	364
		Marshall Oil and Gas Company	Marshall Oil Company	Deed Book	172	142
		Marshall Oil Company	Dunn-Mar Oil and Gas Company	Deed Book	204	211
		Dunn-Mar Oil and Gas Company	Alco Oil Company	Deed Book	837	658
		Alco Oil Company	Greenridge Oil Company	Assignment Book	12	651
		Greenridge Oil Company	Mark Eddy and Harry Eddy	Assignment Book	19	602
		Mark Eddy and Harry Eddy d/b/a Eddy Brothers	Northeast Natural Energy, LLC	Assignment Book	123	363
V	WV-061-004020-000	Northeast Natural Energy		Fee Ownership	1505	572
W	WV-061-003597-041	Mary C. Eddy Feather	Northeast Natural Energy, LLC	12.5% or Greater	1798	223
W	WV-049-104202-011	Terry L. Feltz Kave	Northeast Natural Energy, LLC	12.5% or Greater	1798	737
W	WV-061-003597-042	Cathy Ann Parlett	Northeast Natural Energy, LLC	12.5% or Greater	1798	221
W	WV-061-003597-046	Charles Alan Parlett	Northeast Natural Energy, LLC	12.5% or Greater	1808	714
W	WV-061-003597-044	Steven Parlett	Northeast Natural Energy, LLC	12.5% or Greater	1808	712
W	WV-061-006184-008	Rebecca Galeota	Northeast Natural Energy, LLC	12.5% or Greater	1810	605
W	WV-061-006184-009	Cheryl Walls	Northeast Natural Energy, LLC	12.5% or Greater	1810	607
W	WV-061-006184-007	Kenneth Cordray	Northeast Natural Energy, LLC	12.5% or Greater	1810	603
W	WV-061-003597-057	Joan Cordray Gillions	Northeast Natural Energy, LLC	12.5% or Greater	183	823
W	WV-061-003597-049	Paul Lewis Cordray, Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1883	210
W	WV-061-003597-052	Anna R. Cordray Intervivos Revocable Trust Agreement dated February 16, 1993	Northeast Natural Energy, LLC	12.5% or Greater	183	803
W	WV-061-003597-055	Maurice Harry Morris Cordray	Northeast Natural Energy, LLC	12.5% or Greater	183	815
W	WV-061-003597-054	American Cancer Society	Northeast Natural Energy, LLC	12.5% or Greater	183	811
W	WV-061-003597-047	Augusta County Society for the Prevention of Cruelty to Animals	Northeast Natural Energy, LLC	12.5% or Greater	1825	534
W	WV-061-003597-050	Delores Dean	Northeast Natural Energy, LLC	12.5% or Greater	1888	660
W	WV-061-006337-002	David Evenoski	Northeast Natural Energy, LLC	12.5% or Greater	1810	1
W	WV-061-006337-001	Lou Evenoski	Northeast Natural Energy, LLC	12.5% or Greater	1809	849
W	WV-061-003597-056	Nancy Cordray	Northeast Natural Energy, LLC	12.5% or Greater	183	819
W	WV-061-006184-003	Mary Cordray	Northeast Natural Energy, LLC	12.5% or Greater	1798	350
W	WV-061-006184-002	Kathleen Cordray Marcellus	Northeast Natural Energy, LLC	12.5% or Greater	1798	348
W	WV-061-006184-002	Sandra Cordray	Northeast Natural Energy, LLC	12.5% or Greater	1805	103
W	WV-061-006184-005	Sharon Cordray Windham	Northeast Natural Energy, LLC	12.5% or Greater	1805	101
W	WV-061-006184-001	Jack Cordray	Northeast Natural Energy, LLC	12.5% or Greater	1798	346
W	WV-061-006184-006	Shawn Cordray	Northeast Natural Energy, LLC	12.5% or Greater	1798	725
W	WV-061-003597-053	Linda Brady	Northeast Natural Energy, LLC	12.5% or Greater	183	807
W	WV-061-003597-051	Warren Matthew Cordray	Northeast Natural Energy, LLC	12.5% or Greater	183	799
W	WV-061-003597-058	Devin Wayne Cordray	Northeast Natural Energy, LLC	12.5% or Greater	185	493
W	WV-061-003597-060	Bernard Lee Cordray	Northeast Natural Energy, LLC	12.5% or Greater	187	372
W	WV-061-003597-062	Breanna Nicole Leadbeater	Northeast Natural Energy, LLC	12.5% or Greater	187	380
W	WV-061-003597-059	Donna Cordray	Northeast Natural Energy, LLC	12.5% or Greater	187	368
W	WV-061-003597-063	Linda Francis	Northeast Natural Energy, LLC	12.5% or Greater	187	384
W	WV-061-003597-64	Generation-Skipping Trust under LWT of Pauline M. Taylor, FBO Linda Suzann Miller	Northeast Natural Energy, LLC	12.5% or Greater	1929	627
W	WV-061-003597-061	Debra Ann Spearen	Northeast Natural Energy, LLC	12.5% or Greater	187	376
X	WV-061-003597-003	Mary C. Eddy Feather	Northeast Natural Energy, LLC	12.5% or Greater	1565	408
X	WV-061-003597-009	Terry L. Feltz Kave	Northeast Natural Energy, LLC	12.5% or Greater	1539	302
X	WV-061-003597-042	Cathy Ann Parlett	Northeast Natural Energy, LLC	12.5% or Greater	1569	196
X	WV-061-003597-046	Charles Alan Parlett	Northeast Natural Energy, LLC	12.5% or Greater	1564	497
X	WV-061-003597-044	Steven Parlett	Northeast Natural Energy, LLC	12.5% or Greater	1545	350
X	WV-061-006184-008	Rebecca Galeota	Northeast Natural Energy, LLC	12.5% or Greater	1564	493
X	WV-061-006184-009	Cheryl Walls	Northeast Natural Energy, LLC	12.5% or Greater	1564	495
X	WV-061-006184-007	Kenneth Cordray	Northeast Natural Energy, LLC	12.5% or Greater	1564	491
X	WV-061-003597-001	Nellie N. Cordray	Northeast Natural Energy, LLC	12.5% or Greater	1534	653
X	WV-061-003597-019	Mary Cordray	Northeast Natural Energy, LLC	12.5% or Greater	1566	721
X	WV-061-004021-000	Kathy Cordray	Northeast Natural Energy, LLC	12.5% or Greater	1662	769
X	WV-061-003597-013	Sandra Cordray	Northeast Natural Energy, LLC	12.5% or Greater	1571	597
X	WV-061-003597-015	Sharon Windham	Northeast Natural Energy, LLC	12.5% or Greater	1564	313
X	WV-061-003597-016	Jack Cordray	Northeast Natural Energy, LLC	12.5% or Greater	1529	843
X	WV-061-003597-017	Shawn Cordray	Northeast Natural Energy, LLC	12.5% or Greater	1571	593

NNE PROPERTIES LLC
707 VIRGINIA ST E STE 1200
CHARLESTON WV 25301-2719

Marion County
Julie Kincaid, Clerk
Instrument 202500022790
12/18/2025 @ 01:08:17 PM
DEED
Book 1407 @ Page 236-241
Pages Recorded 6
Recording Cost \$ 33.00

CONFIRMATORY DEED & ASSIGNMENT

THIS CONFIRMATORY DEED & ASSIGNMENT, is made the 20th day of November, 2025, by and between Marion Natural Energy LLC, a Delaware limited liability company, party of the first part, and Northeast Natural Energy LLC, a Delaware limited liability company, party of the second part.

WHEREAS, the party of the first part has merged with and into the party of the second part, as evidenced by the Certificate of Merger attached hereto as Exhibit A; and

WHEREAS, the party of the first part owned real property interests in Marion County, West Virginia, and pursuant to W. Va. Code § 31B-9-904 intends to evidence title to such real property interests in the party of the second part as the surviving corporation by executing and acknowledging for record this confirmatory deed.

NOW, THEREFORE, WITNESSETH, that for and in consideration of the merger of the party of the first part with and into the party of the second part, with the party of the second part being the surviving corporation, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said party of the first part does hereby grant, assign, convey, release and remise unto the party of the second part all its right, title and interest in and to all real property owned by the party of the first part as of the date of the merger.

This deed and assignment is made subject to all valid reservations, exceptions, easements, rights-of-way, covenants, conditions, licenses and other servitudes contained or referred to in prior deeds or other instruments of record affecting or pertaining to the property hereby conveyed.

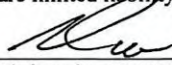
27420418.1

10/02/2026

The undersigned party of the first part hereby declares that this conveyance is not subject to the excise tax on the privilege of transferring real property because it is a deed made pursuant to a merger.

IN WITNESS WHEREOF, the party of the first party has caused its name to be signed hereto by its duly authorized.

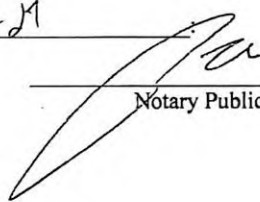
MARION NATURAL ENERGY LLC,
a Delaware limited liability company


By: Christopher D. Mullen
Its: Vice President

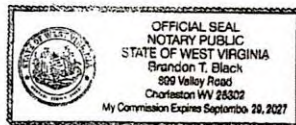
STATE OF WEST VIRGINIA,
COUNTY OF KANAWHA, TO-WIT:

On this 20th day of November, 2025, before me, the undersigned Notary Public, personally appeared Christopher D. Mullen, the Vice President of Marion Natural Energy LLC, a Delaware limited liability company, and acknowledged this instrument to be the free and voluntary act and deed of the said limited liability company and on oath stated that he was authorized to execute this instrument and in fact executed the instrument for and on behalf of the said limited liability company.

My commission expires: 9-26-27


Notary Public

(NOTARIAL SEAL)



Prepared by and after reading please return to:
Northeast Natural Energy LLC
709 Virginia St. E. Suite 1200
Charleston, WV 25301

27420418.1

10/02/2026

Exhibit A

Certificate of Merger

[see attached]

27420418.1

EXHIBIT A

10/02/2026

Delaware

The First State

Page 1

I, CHARUNI PATIBANDA-SANCHEZ, SECRETARY OF STATE OF THE
STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND
CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"MARION NATURAL ENERGY LLC", A DELAWARE LIMITED LIABILITY
COMPANY,

WITH AND INTO "NORTHEAST NATURAL ENERGY LLC" UNDER THE NAME
OF "NORTHEAST NATURAL ENERGY LLC", A LIMITED LIABILITY COMPANY
ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE,
AS RECEIVED AND FILED IN THIS OFFICE ON THE TWENTY-NINTH DAY OF
OCTOBER, A.D. 2025, AT 1:22 O`CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF
THE AFORESAID CERTIFICATE OF MERGER IS THE THIRTY-FIRST DAY OF
OCTOBER, A.D. 2025.



4713590 8100M
SR# 20254407364

You may verify this certificate online at corp.delaware.gov/authver.shtml

C. B. Sanchez

Charuni Patibanda-Sanchez, Secretary of State

Authentication: 205186907
Date: 10-30-25

10/02/2026

**STATE OF DELAWARE
CERTIFICATE OF MERGER OF
DOMESTIC LIMITED LIABILITY COMPANIES**

Pursuant to Title 6, Section 18-209 of the Delaware Limited Liability Act, the undersigned limited liability company executed the following Certificate of Merger:

FIRST: The name of the surviving limited liability company is
Northeast Natural Energy LLC,
and the name of the limited liability company being merged into this surviving limited
liability company is Marion Natural Energy LLC.

SECOND: The Agreement of Merger has been approved, adopted, certified, executed
and acknowledged by each of the constituent limited liability companies.

THIRD: The name of the surviving limited liability company is
Northeast Natural Energy LLC.

FOURTH: The merger is to become effective on October 31, 2025.

FIFTH: The Agreement of Merger is on file at 707 Virginia Street East
Suite 1200, Charleston, West Virginia 25301,
the place of business of the surviving limited liability company.

SIXTH: A copy of the Agreement of Merger will be furnished by the surviving limited
liability company on request, without cost, to any member of the constituent limited
liability companies.

IN WITNESS WHEREOF, said surviving limited liability company has caused this
certificate to be signed by an authorized person, the 27th day of
October, A.D., 2025.

By: Samuel P. Sommerville
Authorized Person

Name: Samuel P. Sommerville
Print or Type

Title: Vice President

State of Delaware
Secretary of State
Division of Corporations
Delivered 01:22 PM 10/29/2025
FILED 01:22 PM 10/29/2025
SR 20254407364 - File Number 4713590

10/02/2026



LLC/PLC Termination Cancellation Filing

For filing with the West Virginia Secretary of State
a Business for West Virginia Partner
tel: (304) 558-8000

Organization Name	MARION NATURAL ENERGY LLC
Organization Type	Limited Liability Company
Charter Type	Foreign
Class	For Profit
Home State	DE
WV Effective Date	12/06/2023
Contact Name	Samuel P. Sommerville
Contact Address	707 Virginia Street East, Suite 1200 , Charleston, WV 25301
Contact Phone	(304)414-7072
Contact Email Address	SSOMMERVILLE@NNE-LLC.COM
Filing Date	11/06/2025
SOS Termination Date	11/06/2025

I certify the information provided is true. I further certify that I am a member or manager or individual holding a power-of-attorney and am duly authorized to file this report on behalf of this limited liability company, as required by West Virginia Code §31B-2-211. I agree that the electronic entry of my name below represents my signature and authorization for this filing.

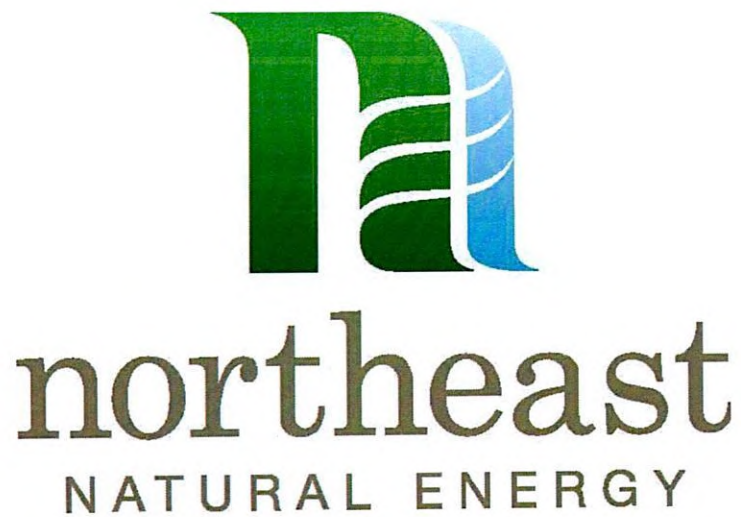
Samuel P. Sommerville
Authorized By

MEMBER
Capacity

Marion County
Julie Kincaid, Clerk
Instrument 202500022790
12/18/2025 @ 01:08:17 PM
DEED
Book 1407 @ Page 236-241
Pages Recorded 6
Recording Cost \$ 33.00

RETAIN A COPY FOR YOUR RECORDS

10/02/2026



**Monongalia County
Site Safety Plan**

**Laurita Well Pad
2026**

Robert J. Hitt
6-29-26

10/02/2026

Laurita Well Pad

Grant District
Monongalia County

ACCESS ROAD ENTRANCE

622 Hagans Road
Rivesville, WV 26588

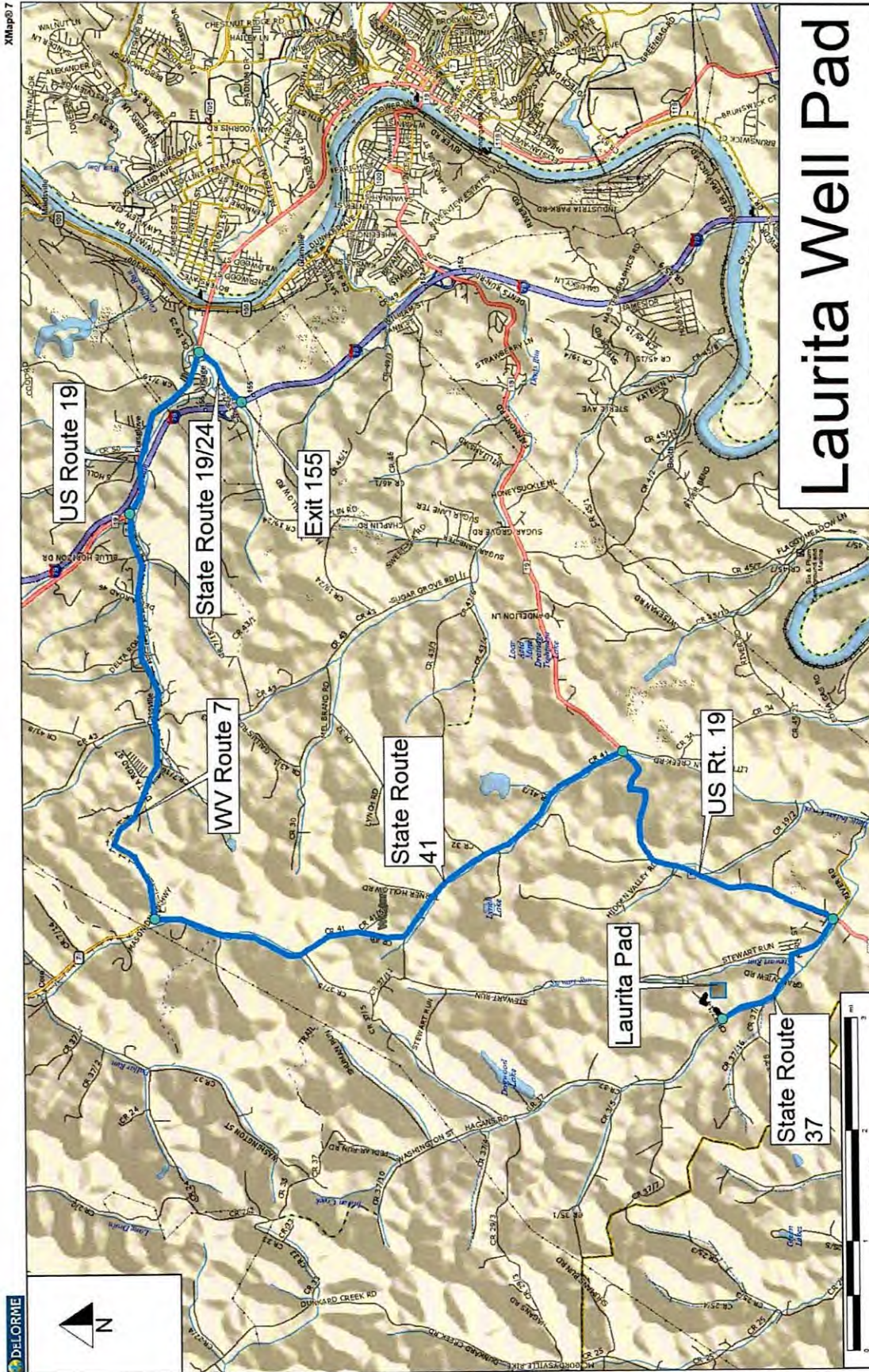
39.59208 Lat, -80.11374 Long (WV-83)

DRIVING DIRECTIONS

- Beginning at Exit 155 on Interstate 79.
- Travel east on State Route 19/24 (Chaplin Road) for 0.57 miles to the intersection of said State Route 19/24 and US Rt. 19.
- Turn left onto US Rt. 19 and travel north for 1.67 miles to the intersection of said US Rt. 19 and WV Rt. 7 (Mason Dixon Highway).
- Turn left onto WV Rt. 7 and travel west for 4.04 miles to the intersection of said WV Rt. 7 and State Route 41 (Little Indian Creek Road)
- Turn left onto said State Route 41 and travel south for 5 miles to the intersection of said State Route 41 and US Rt. 19.
- Turn right onto said US Rt. 19 and travel south for 2.95 miles to the intersection of said US Rt. 19 and State Route 37 (Hagans Road).
- Turn right onto said State Route 37 and travel north for 1.46 miles to the access road on the right located @ N 39.5921932, W 80.1139216.

*See Attached Maps

10/02/2026



Introduction

Northeast Natural Energy LLC ("NNE") is an oil and gas exploration and production company with company headquarters located at the following address:

707 Virginia Street East, Suite 1200
Charleston, WV 25301

And a Field Operations Office located at the following address:

48 Donley Street, Suite 601
Morgantown, WV 26501

NNE is committed to protecting the people, property, and resources of the company and of the communities in which it works by establishing a safe and healthy work environment that is free from recognized hazards and complies with all local, state and federal regulations.

This Plan will be reviewed annually and may be subject to revision and/or update whenever any of the following occur:

- Following an incident.
- A new chemical or process is utilized onsite.
- Existing processes are modified significantly.
- Regulations are revised significantly.
- The current Plan fails in an emergency situation.
- Changes in emergency response equipment.
- Changes in internal and external emergency resources.

TABLE OF CONTENTS

1 – Contacts, Schedules and Meetings

2 – Maps and Diagrams

3 – Well Work

4 – SDS & Chemical Inventory

5 – BOP and Well Control

6 – Hydrogen Sulfide (H₂S)

7 – Flaring

8 – Collision Avoidance Safeguards, Practices and Standards

1

Contacts, Schedules and Meetings

A. NORTHEAST NATURAL ENERGY LLC CONTACTS:

24 hour emergency number 1-866-207-1846

EH&S

- Andy Travis- EH&S Manager 304.951.0909

Construction/Reclamation

- Mike Shreve – Construction Coordinator 304.918.3050
- Dave McDougal – Civil Engineering Manager 304.941.5033

Drilling/Completion

- Matt Bakewell– Drilling Engineer 304-907-9493
- Criss VanGilder - Director – Drilling & Completions 405.757.8725
- Matt Biddle- Completions Engineer 412.889.1442

Production

- John Landis – Production & Facilities Manager 304.216.6854
- Eric Zwolinski- Production Engineer 304.542.9431

B. EMERGENCY CONTACTS:

In case of an emergency call **911**

1. OPERATOR CONTACTS

- 24-hour emergency number 1-866-207-1846

2. CONTRACTORS

Drilling Operations

- TBD – Drilling Contractor
- Nextier – Cement/Pumping 865.805.8683
- Wild Well Control – Well Control 281.784.4700

Completions Operations

- Pro Frac – Pressure Pumping 254.776.3722
- Evolution – Pressure Pumping 346.977.4878
- Nine Energy – Wireline 724.222.8900

10/02/2026

3. **WV DEP/ OFFICE OF OIL AND GAS**

Pollution and Emergency Spills 1-800-642-3074

- H. Jason Harmon – Acting Chief 304.926.0450
- Robert Hitt – Inspector 681.344.4747

4. **WV DEP/ AIR QUALITY**

- Lucas Freeze - Inspector 304.312.1503
- James F. Jarrett – Inspector 304.549.2461

5. **LOCAL EMERGENCY RESPONSE UNITS**

MONONGALIA COUNTY OFFICE OF EMERGENCY MANAGEMENT

- 24 Hour Emergency Number 304.599.6382
- Jimmy Smith – Director 304.598.0301
- Harold Sperringer – Deputy Director
- Mike Fortney - Assistant Director

FIRE DEPARTMENTS

- River Road VFD 304.983.2000

AMBULANCE / EMS

- MON EMS 304.599.0650

LIFE FLIGHT AMBULANCE SERVICE (HELICOPTER)

- HealthNet Aeromedical Base 1.800.255.2146

STATE POLICE

- Morgantown Detachment 304.285.3200

COUNTY POLICE

- Monongalia Sheriff 304.291.7290

HOSPITAL

- Ruby Memorial (trauma 1) 304.598.4000
- Monongalia General (trauma 4) 304.598.1200

C. PRE-JOB MEETINGS

Prior to beginning work, an onsite meeting will be held to coordinate operations and review the site safety plan. This meeting shall include the NNE and/or contracted site supervisor(s) ("Company Man"), any staff or contracted safety personnel, and key contractors to the planned operation. Local emergency response personnel will also be invited to the pre-spud meeting. The WV DEP oil and gas inspector will be notified 48 hours in advance of the meeting. All participants will be documented and provided with a copy of the site safety plan to review with their respective employees.

D. WELL SITE SAFETY MEETINGS

Safety Meetings will be held on-site, at the beginning of each shift and prior to any changes in operating conditions/procedures during a shift throughout the course of all operations. Attendance at each safety meeting will be documented.

As a means of safety and maintaining a head count, a check-in and check-out list of personnel will be kept during all drilling, completion, and work over phases of operations. The onsite supervisor will be responsible for maintaining a list of all personnel on location. A sign will be posted at the entrance to the location directing all visitors to the company trailer.

E. DISTRIBUTION OF THE SITE SAFETY PLAN

Copies of this Plan will be located at NNE's corporate office building in Charleston, West Virginia, its field office in Morgantown, West Virginia, with the Designated Response Coordinators and field operation sites when applicable. This Plan may be accessed electronically by all NNE employees on the company's Operations Management System (OMS). All NNE employees are to abide by the provisions of this Plan and are required to ensure its implementation. This Plan will also be shared with external entities such as the Local County Office of Emergency Management within at least seven (7) days prior to earth disturbance and/or well work.

Efforts will be made to familiarize police, fire departments, emergency response teams and the County Emergency Management Coordinator with the layout of the well site, the properties and dangers associated with the equipment and materials that are on site, places where personnel would normally be working, and the possible evacuation routes should an emergency occur.

2

Maps and Diagrams

[illegible]

DATE:
JUNE 2025

LAURITA WELL PAD

GRANT DISTRICT,
MONONGALIA
COUNTY, WV

RADIUS PLAN

BOORD, BENCHEK and ASSOC., INC.
Engineering, Surveying, Construction,
and Mining Services
Southpointe, PA 15317 Phone: 724-746-1055

1 MILE RADIUS

1 MILE RADIUS

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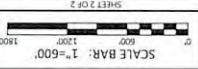
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SCALE BAR: 1"=600'

0 100 200 300 400 500 600 700 800 900 1000

10/02/20

Structure	Type	Owner	Street Address	City/Zip	District	Tax Map	Parcel
1	Residential	Wolff Christopher	501 Hagans RD	Rivesville, WV 26588	GRANT	17	23.3
2	Inactive Farm	Kennedy Galen Dwight &	108 Kay ST	Morgantown, WV 26501	GRANT	17	23.1
3	Residential	Estle Dale Allen	748 Hagans RD	Rivesville, WV 26588	GRANT	17	27
4	Residential	Shisler Travis James &	773 Hagans RD	Rivesville, WV 26588	GRANT	17	24
5	Mobile Home	Mccardle James F & Elaine	776 Hagans RD	Rivesville, WV 26588	GRANT	17	26.2
6	Residential	Mcgray Arthur William &	772 Hagans Rd	Rivesville, WV 26588	GRANT	17	26
7	Residential	Estle Dale Allen &	748 Hagans RD	Rivesville, WV 26588	GRANT	17	27.1
8	Residential	Shisler Jimmy L Renita D	222 Ridge Farm RD	Rivesville, WV 26588	GRANT	17	35
9	Active Farm	Shisler Jimmy L Renita D	222 Ridge Farm RD	Rivesville, WV 26588	GRANT	17	35
10	Active Farm	Harris William Carter &	PO Box 44	Kingwood, WV 26537	GRANT	17	21
11	Active Farm	Harris William Carter &	PO Box 44	Kingwood, WV 26537	GRANT	17	21.1
12	Active Farm	Shisler Jimmy L & Renita D	222 Ridge Farm RD	Rivesville, WV 26588	GRANT	17	35.3
13	Active Farm	Zaharko Timothy P	697 Stewarts Run RD	Morgantown, WV 26501	GRANT	17	35.1
14	Active Farm	Zaharko Timothy P	697 Stewarts Run RD	Morgantown, WV 26501	GRANT	17	35.2
15	Mobile Home	Rogers James L & ADA D	538 Stewart Run RD	Morgantown, WV 26501	GRANT	17	58.1
16	Active Farm	Lawson Gordon W & Sheila M	37 Hidden Valley RD	Morgantown, WV 26501	GRANT	17	58
17	Active Farm	Lawson Gordon Wayne & Sheila M	37 Hidden Valley RD	Morgantown, WV 26501	GRANT	17	57
18	Active Farm	Lawson Gordon W & Sheila M	37 Hidden Valley RD	Morgantown, WV 26501	GRANT	17	54.2
19	Active Farm	Fox Leonard Dale &	362 Stewarts Run RD	Morgantown, WV 26501	GRANT	17	56
20	Residential Vacant Land	Fox Leonard Dale & Rhonda	362 Stewarts Run RD	Morgantown, WV 26501	GRANT	17	54.1
21	Active Farm	Lawson Gordon W & Sheila M	37 Hidden Valley RD	Morgantown, WV 26501	GRANT	17	54
22	Active Farm	Lawson Martina	41 Hidden Valley RD	Morgantown, WV 26501	GRANT	17	63
23	Active Farm	Shisler Jacquelyn Y	3902 Fairmont RD	Morgantown, WV 26501	GRANT	17	78.1
24	Active Farm	Lawson Gordon & Sheila	37 Hidden Valley RD	Morgantown, WV 26501	GRANT	17	55
25	Active Farm	Jackson James & Janet I	4235 Fairmont Rd	Morgantown, WV 26501	GRANT	17	53
26	Active Farm	Lawson Gordon W & Sheila N	37 Hidden Valley RD	Morgantown, WV 26501	GRANT	17	40
27	Auxiliary Improvements	Fox Leonard Dale & Rhonda	362 Stewarts Run RD	Morgantown, WV 26501	GRANT	17	39
28	Residential Vacant Land	Kelly Patricia	714 Venture DR	Morgantown, WV 26508	GRANT	17	38
29	Auxiliary Improvements	Glover Alfred Junior	22 Stewart Run	Morgantown, WV 26501	GRANT	17	37
30	Residential Vacant Land	Mert Development	3748 Dents Run R/LVD	Morgantown, WV 26501	GRANT	17	36.1
31	Residential Vacant Land	Marion Natural Energy LLC	707 Virginia St East, Suite 1200	Charleston, WV 25301	GRANT	17	36
32	Residential Vacant Land	Marion Natural Energy LLC	707 Virginia St East, Suite 1200	Charleston, WV 25301	GRANT	17	34
33	Residential Vacant Land	Estle Dale Allen	748 Hagans RD	Rivesville, WV 26588	GRANT	17	29
34	Residential Vacant Land	CNX RCPCL LLC	1000 Consol Energy DR	Canonburg, PA 15317	GRANT	17	30
35	Residential	Church Robert J; Ann L Cortez	N/A	Worthington, WV 26591	GRANT	17	32
36	Residential	Marion Natural Energy LLC	707 Virginia St East, Suite 1200	Charleston, WV 25301	GRANT	17	33.1
37	Residential	Jeffries Mathew & Philip	PO box 909	Belington, WV 26250	GRANT	17	33
38	N/A	Hogue Cemetery	N/A	N/A	GRANT	17	33.3
39	Residential	Sandoval Tom P	716 Lions Gate LN	Odenton, MD 21113	GRANT	17	32.1
40	Residential Vacant Land	Roupe Aaron Michael &	603 Hagans RD	Rivesville, WV 26588	GRANT	17	23.11
41	Residential Vacant Land	Jeffries Mathew & Philip	PO box 909	Belington, WV 26250	GRANT	17	23.7
42	Residential	Coe Crystal	75 Stewarts RUN	Morgantown, WV 26501	GRANT	17	41
43	Residential	Potts Broadus H & Marilyn	44 Glasscock HOLW	Rivesville, WV 26588	GRANT	17	23.6
44	Residential	Tucker Jack L	26 Glasscock HOLW	Rivesville, WV 26588	GRANT	17	23.2
45	Auxiliary Improvements	Potts Broadus & Marilyn S	44 Glasscock HOLW	Rivesville, WV 26588	GRANT	17	22



SHEET 3 OF 2



NO.	DATE	DESCRIPTION

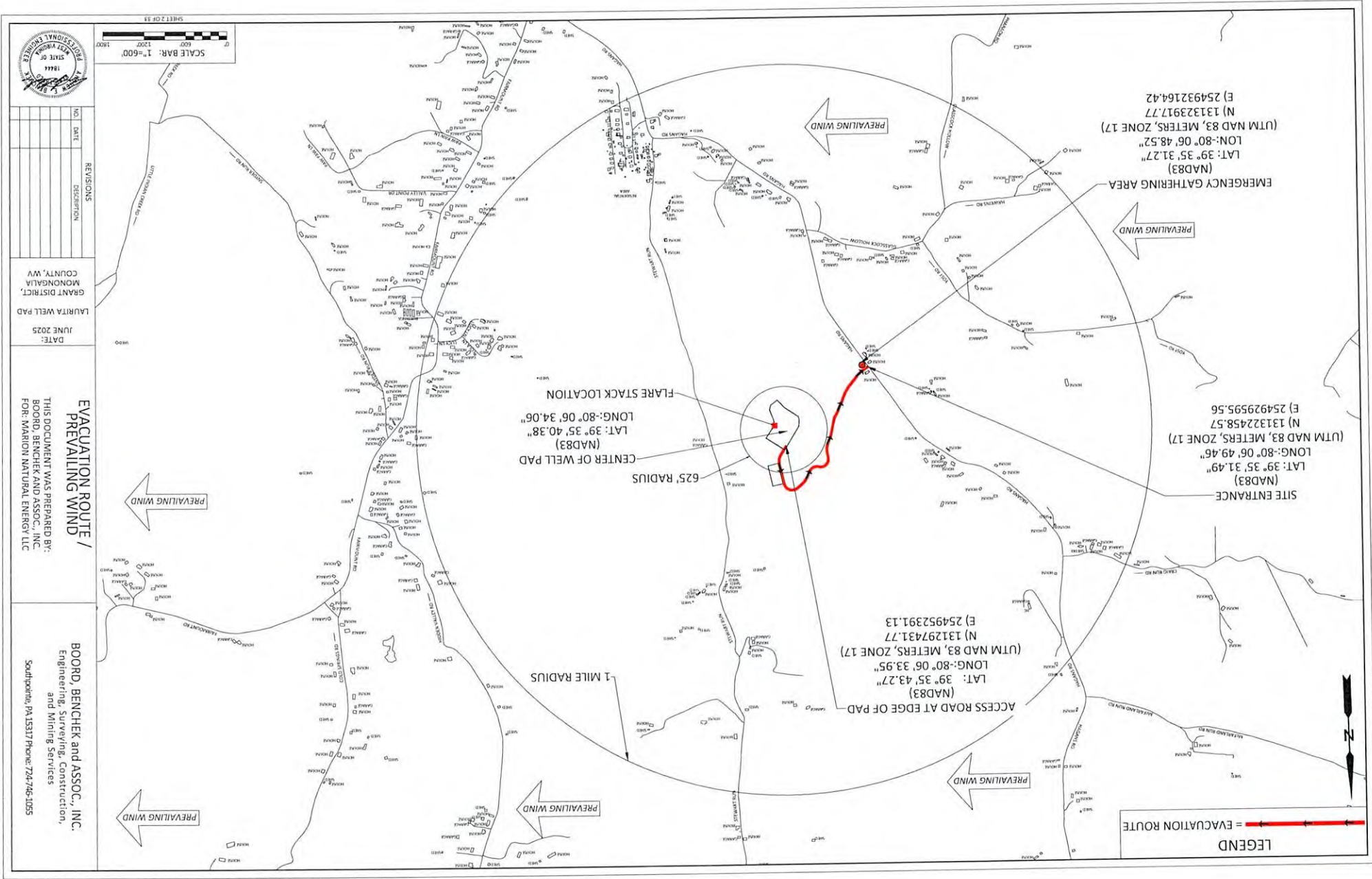
LAURITA WELLS PAO
GRANT DISTRICT,
MONONGALIA
COUNTY, WV

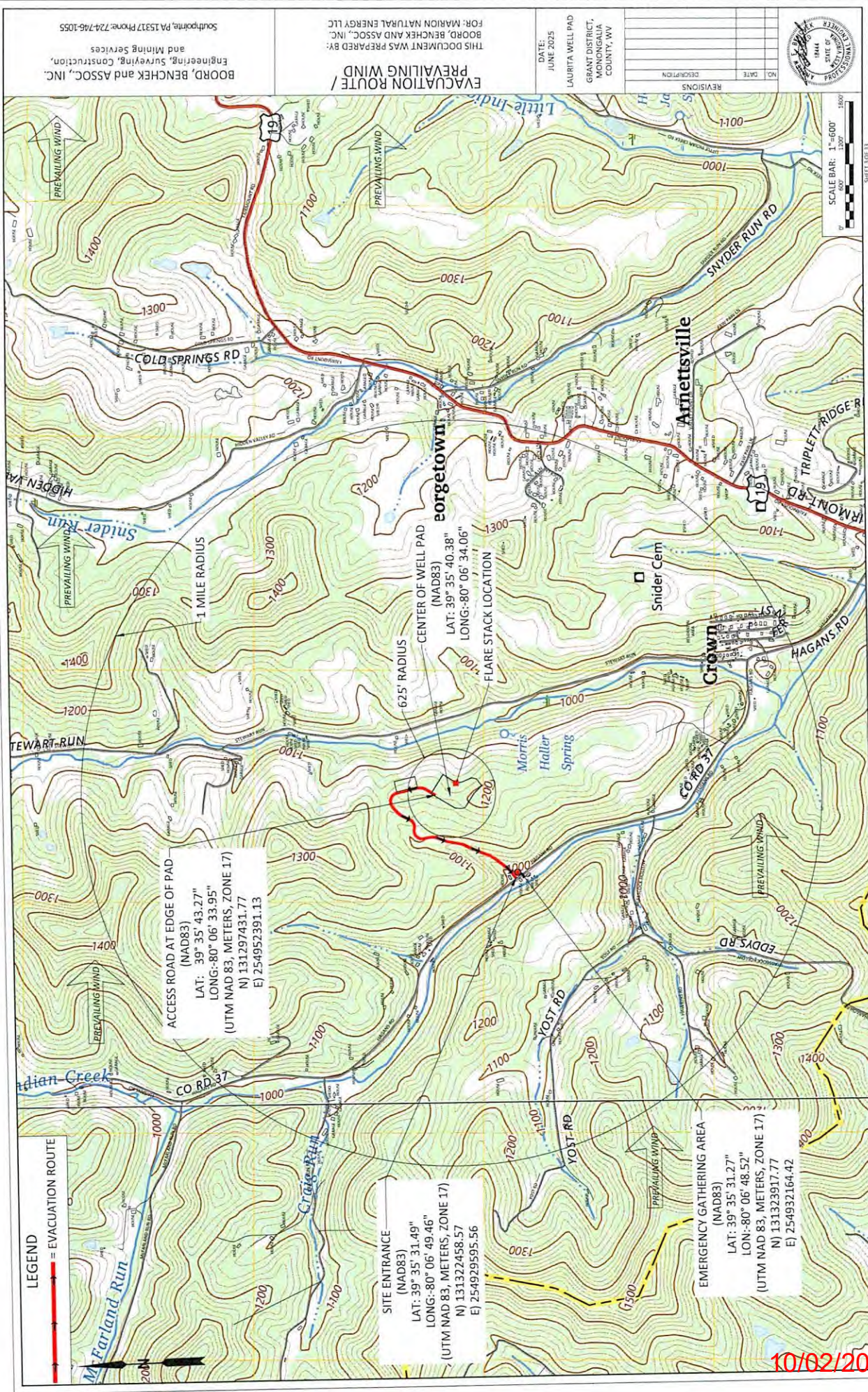
DATE: JUNE 2025

RADIUS CONTACTS

THIS DOCUMENT WAS PREPARED BY:
BOORD, BENCHMARK AND ASSOC., INC.
FOR: MARION NATURAL ENERGY LLC

BOORD, BENCHMARK and ASSOC., INC.
Engineering, Surveying, Construction,
and Mining Services
Southpointe, PA 15317 Phone: 724-746-1055





BOARD, BENCEK and ASSOC., INC.
Engineering, Surveying, Construction,
and Mining Services
Southpointe, PA 15317 Phone: 724-746-1055

THIS DOCUMENT WAS PREPARED BY:
BOARD, BENCEK and ASSOC., INC.
FOR: MARION NATURAL ENERGY LLC

DATE: JUNE 2025
LAURITA WELL PAD
GRANT DISTRICT,
MONROG TOWNSHIP,
WYOMING COUNTY, WV

NO.	DATE	DESCRIPTION



SCALE BAR: 1" = 600'
0' 600' 1200'

SHEET 1 OF 33

LEGEND
— = EVACUATION ROUTE

ACCESS ROAD AT EDGE OF PAD
(NAD83)
LAT: 39° 35' 43.27"
LONG: -80° 06' 33.95"
(UTM NAD 83, METERS, ZONE 17)
N 131297431.77
E 254952391.13

SITE ENTRANCE
(NAD83)
LAT: 39° 35' 31.49"
LONG: -80° 06' 49.46"
(UTM NAD 83, METERS, ZONE 17)
N 131322458.57
E 254929595.56

EMERGENCY GATHERING AREA
(NAD83)
LAT: 39° 35' 31.27"
LONG: -80° 06' 48.52"
(UTM NAD 83, METERS, ZONE 17)
N 131323917.77
E 254932164.42

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3

Well Work

A. (1.0) Description of Drilling Operations

NNE typically uses an auger rig to set the cellar and conductor. The conductor will then be cemented/grouted to surface. A drilling rig will then be used to drill the surface section on air. Surface casing will be set and cemented to surface. The intermediate section will then be drilled on air, casing will be set, and the casing will be cemented to the surface. NNE will continue drilling on air to the start of the curve or kick off point (KOP). After the KOP the production section of the well will continue to be drilled using synthetic based drilling mud, MWD surveys and geosteering practices to maintain the wellbore in the Marcellus Shale formation. Production casing will be ran to total depth and cemented into the intermediate casing string.

In the event a pilot hole is drilled, it would be drilled to the approved depth after intermediate casing is cemented. At depth wireline logs will be ran and then the hole will be plugged back to the KOP with solid cement. The production section would then be drilled to plan.

A. (1.1) Anticipated Drilling Equipment/Materials

During the drilling of a horizontal Marcellus gas well the following equipment and materials could be on the drilling location:

Equipment / Materials
Drilling Rig Substructure
Drilling Rig Derrick/Mast
Top Drive and Drawworks
Workstations (Driller Cabin, ODS House, etc.)
Shaker Skid and Hopper House
Mud Pumps
Mud Processing Tanks
Gas Buster and Choke Manifold
Hydraulic Power Unit (HPU)
VFD House (Electrical Power System)
Rig Generators
Air Compressors
Boiler System
Hydraulic Catwalk
BOP and Installation System (Wrangler)
Accumulator Skid
Onsite Living Quarters
Forklift

Skid Steer
Manlift
Excavator
Diesel Tank
Light Towers
Frac Tanks (Mud, Cement Additives, Water)

B. (1.0) Description of Completions Operations

Each well will be completed using a multi-stage / high rate slickwater fracture treatment using sand as a proppant. The first stage will be completed by activating a series of toe sleeves which are installed in the casing during the drilling phase. Pressure applied down the wellbore causes the sleeves to open and enables communication with the formation for stimulation. Subsequent stages will be isolated using a composite plug pumped down the wellbore with perforating guns attached. The composite plug is set, the next stage is perforated, and the stage is stimulated. Each individual stage will be isolated via the composite frac plugs.

The maximum pump rate during any stage will be 110 BPM with a maximum allowable surface pressure of 10,800 PSI. Two composite bridge plugs will be set at the end of the last stage to isolate the treated formation. After the fracture treatment, composite frac plugs will be drilled out using a service rig and/or snubbing unit.

B. (1.1) Anticipated Completions Equipment/Materials

During the completion of a horizontal Marcellus gas well the following equipment and materials could be on the drilling location:

Equipment / Materials
Approximately 18 – 22 Pump Trucks
2 Blender Trucks
Wireline Truck
Scale Tanker
Biocide Tanker
Acid Tankers (2)
Friction Reducer Tank
Cranes (2)
Sand Storage
Frac Tanks (500 bbl)

35 MW Turbine
Man Lift
Telehandlers (2)
Forklift
Skid Steer
Vac Truck
Light Towers
Data Van
Generator
NG Compressors (2)
Diesel Tanks (10,000 gallon)

C. (1.0) Description of Production Operations

During the production phase, the gas stream will flow through buried, welded piping to Gas Production Units. The gas will be separated from any water that is produced and sent through a meter to a sales pipeline. The water will be piped and stored in above ground tanks on the well site. Well pressures and flow rates will be monitored and recorded to ensure safe facility operation. All facilities will be installed according to industry standards and will have appropriate safety systems in place.

C. (1.1) Anticipated Production Equipment/Materials

Well Site

Equipment / Materials
Well Head
Buried Flow Line
Sand Separator
Gas Processing Unit
Water Tanks
Natural Gas Generators
Pig Launcher
Air Compressors
Nitrogen Storage Tanks
Combustors
Compressors

M & R Station

Equipment / Materials
Flowline
Pig Receiver
Three Phase Separator
Filter Units
Dehydration Tower
50 – 100 Barrel Water Tank
Meter House
Meter Skid
Nitrogen Storage Tank

4

Safety Data Sheets (“SDS”) & Chemical Inventory

A. Safety Data Sheets (“SDS”)

SDS's are stored and can be accessed digitally on NNE's OMS, and hard copies are maintained on location during active operations. Any contractors that bring hazardous materials on site are required to provide SDS for such. The onsite supervisor will be responsible for ensuring that all SDS's are obtained and are easily accessible in case of an emergency.

B. Chemical Inventory

Drilling Operations	NFPA Hazard Classification			
	Health	Flammability	Reactivity	Special Hazard
ABS 40 NE	1	1	0	
AES VIS LS	1	1	0	
AES WA II	1	1	0	
Barite	1	0	0	
Calcium Chloride Powder	2	0	0	
Claytone EM	1	1	1	
FLR Plus	0	1	0	
Lime	3	0	0	
TruVis	1	1	0	
WD-40 MULTI-USE PRODUCT AEROSOL	1	2	0	
629 High Temperature White Grease (Bulk)	1	1	0	
Extra Duty Gear Oil	0	1	0	
SPX UNIVERSAL COOLANT	1	1	0	
NO-TOX2	1	2	0	
Dyno Might Rig Wash	2	0	0	
SPX Gear Oil EP	0	1	0	
KOPR KOTE	2	2	1	
293 Supreme Gear Lube	0	1	0	
Lightning Degreaser	3	1	0	
Chain & Wire Rope Lube (aerosol)	2	1	0	
Marvel Mystery Oil	2	2	0	
Brakleen Brake Parts Cleaner	2	4	0	
Atlas Copco CP Airolene + Tool Oil	2	1	0	
Napa RV & Marine -50 °F Burst Antifreeze	2	1	0	
PB Penetrating Catalyst	2	2	0	
EL 2302 Electrical Contact Cleaner Aerosol	3	4	3	

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Spray Nine Industrial Cleaner/Degreaser 3.78L	1	1	0	
Diesel Fuel	1	2	0	

Completions Operations	NFPA Hazard Classification			
Product	Health	Flammability	Reactivity	Special Hazard
Diesel Fuel	1	2	0	
80/90 wt gear oil	2	1	0	
50/40 motor oil	2	1	0	
Antifreeze	1	2	0	
Tri-Ethylene Glycol	1	1	1	
Frac Sand	0	0	0	
Hydrochloric Acid (HCl) (5-28%)	3	0	0	
Friction Reducer	1	1	0	
Biocide	3	1	0	
Scale Inhibitor	2	1	0	
Iron Control	0	0	0	
Corrosion Inhibitor	2	1	0	

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Production Operations	NFPA Hazard Classification			
Product	Health	Flammability	Reactivity	Special Hazard
3M High Power Brake Cleaner	2	4	0	
Aqua Clean Degreaser	1	1	1	
Brakleen Brake Cleaner	2	0	0	
ChampionX Foamer	2	3	0	
Desco 955 Valve Lubricant	0	1	0	
Desco Red Bentone Grease	0	1	0	
Engine Oil	0	1	0	
Equa Lube #80	0	1	0	
HDAX PF Antifreeze Coolant Phosphate	2	1	0	
HDAX PF Antifreeze Coolant Premixed	1	1	0	
Hercules MegaBubble Leak Detector	1	1	0	
Lightning Degreaser	2	0	0	
MC SS-5669 Scale Dissolver	4	0	1	
Methanol	2	3	0	
MX 2-1765 Halite Inhibitor	2	3	0	
MX 2-2978 Halite Inhibitor	2	1	0	
MX 4-5353 Foaming Agent	2	1	0	
Norkool Desitherm	1	1	0	
Norkool SLH 50	1	0	0	
PB Blaster	2	4	0	
Rigid Dark Thread Cutting Oil	1	1	0	
Diesel Fuel	1	2	0	
Silicone – Food Grade	0	0	0	
Silikroil Lubricant	1	2	0	
Texas Star Stick	0	1	0	
Turbine Shield – Compressor Oil	1	1	0	
WD-40	1	2	0	

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5

Blow Out Preventer ("BOP") and Well Control

A. (1.0) BOP EQUIPMENT – DRILLING

During drilling operations, all wells will utilize a 13-inch, 5,000 PSI rated BOP equipment as a means of well control. The BOP will mount to a 13-inch, 5,000 PSI well head. The BOP equipment will be used after the surface casing has been cemented in place and will be used for the duration of the well construction. The BOP equipment will include a single ram (pipe ram), kill spool, double ram (one blind and one pipe ram), and a single annular all rated for 5,000 psi.

A. (2.0) BOP EQUIPMENT – SNUBBING

During snubbing operations, all wells will utilize a minimum of a 7-inch, 5,000 PSI rated BOP equipment as a means of well control. The primary BOP equipment will include, from bottom to top, a spacer spool, pipe rams, flow cross, blind rams, and another set of pipe rams. While stripping in and out of the hole for normal operations, a set of stripping BOPs will be used. The stripping BOPs will include (2) sets of stripping/pipe rams and a stripping annular. All equipment listed above will be rated for a minimum of 5,000 PSI.

B. (1.0) PROCEDURE AND SCHEDULE FOR TESTING BOP – DRILLING

The BOP equipment will be pressure tested upon initial installation and every twenty-one (21) days thereafter, should the well not be completed within that time. When swapping wells and within the (21) day threshold, only the connections that were disconnected will be pressure tested. Annular preventers are to be tested to seventy percent (70%) of the rated capacity and ram preventers should be tested to eighty percent (80%) of the rated capacity according to the procedure outlined below. The WV DEP Oil and Gas Inspector will be notified 24 hours in advance of pressure testing the BOP equipment.

The BOP will be function tested upon initial installation. During the bottom and horizontal phase, the BOP will be function tested upon initial installation (if not already complete), as well as weekly and after each trip.

The BOP will be pressure tested with a plug-type tester landed on the load shoulder of the 13-inch casing head or the 9-5/8-inch casing hanger, depending on the phase of the well. All rams, valves, chokes, and annular preventers will be tested with water in the direction of wellbore pressure.

The annular preventer will be pressure tested around the drill pipe, starting with a low-pressure test (up to 300 PSI) for five minutes, followed by a high-pressure test

(2,100 PSI for 3M, 3,500 PSI for 5M) for thirty minutes. All rams, valves, TIWs, and choke components will be pressure tested around the drill pipe, starting with a low-pressure test (up to 300 PSI) for five minutes, followed by a high-pressure test (2,400 PSI for 3M, 4,000 PSI for 5M) for thirty minutes.

Each component must pass its respective test before drilling can commence. A successful test requires bleed-off to be less than 10% after pressure buildup throughout the low/high test duration.

B. (2.0) PROCEDURE AND SCHEDULE FOR TESTING BOP - SNUBBING

The BOP equipment will be pressure tested upon initial installation of each well and every twenty-one (21) days thereafter, should the well not be completed within that time.

The BOP will be pressure tested using the existing 7" master frac valve mounted to the tubing head adapter. All rams, valves, chokes, and annular preventers will be tested with water in the direction of pressure.

C. (1.0) ASSEMBLY INSTALLATION SCHEDULE – DRILLING

A 13-inch 5,000 psi casing head will be installed on the surface casing via tie-down screws. A drilling adapter will then be installed for BOP installation for the duration of the well construction. Each subsequent casing string will land out inside the wellhead using a casing hanger and will be sealed with a seal assembly and lock ring.

The BOP equipment will include a single ram (pipe ram), kill spool, double ram (one blind and one pipe ram), and a single annular all rated for 5,000 psi.

C. (2.0) ASSEMBLY INSTALLATION SCHEDULE - SNUBBING

The BOP equipment will be installed before any well work begins. The BOP equipment will be installed directly to the 7" master frac valve, which was previously installed directly to the tubing head adapter.

D. PERSONNEL WITH WELL CONTROL TRAINING

During drilling and completions operations, any onsite supervisor shall have and maintain IADC well control certification.

E. SYSTEM OF MAINTAINING DETAILED RECORDS

A detailed Driller's Log shall be maintained, including but not limited to, lost circulation, the presence of hydrogen sulfide gas, fluid entry, kicks, and abnormal pressures.

F. NOTIFICATION OF THE OFFICE OF OIL AND GAS

The WV DEP Office of Oil and Gas will be immediately notified of the presence of hydrogen sulfide gas above 10 ppm, significant kicks, or blow-out events.

G. WELL HEAD ASSEMBLY

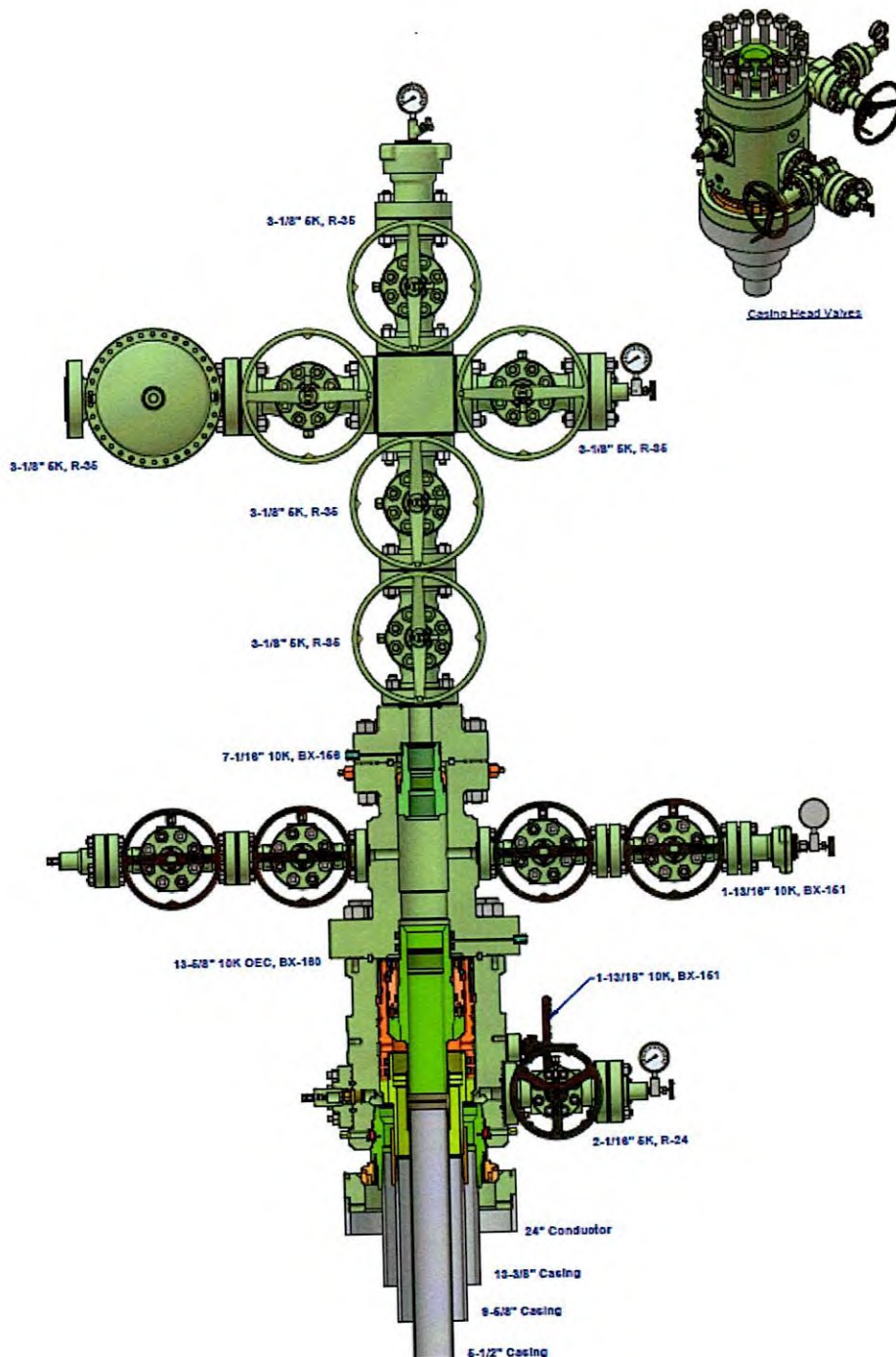
NNE utilizes two types of wellhead/production configurations, casing flow and tubing flow. Casing flow will utilize either a 3-1/8" or 2-9/16" production tree and tubing flow will utilize 2-9/16" production trees. Both assemblies are rated for 5,000 PSI.

Initial production will occur via casing flow until the wells production decreases to a point where tubing needs to be installed. The casing flow configuration, starting at the tubing spool adapter from bottom to top, will consist of (1) 7" master valve, (1) lower master valve, (1) upper master valve, (1) 4-way tee with (2) wing valves (one on each side), (1) swab valve, and (1) tree cap. All components are rated to a minimum pressure rating of 5,000 PSI.

Once the well has tubing installed, the 7" master valve is removed, and the tree is mounted to the tubing spool adapter. The tubing flow configuration, starting at the tubing spool adapter from bottom to top, will consist of (1) 2-9/16" lower master valve, (1) 2-9/16" upper master valve, (1) 4-way tee with (2) 2-9/16" wing valves (one on each side), (1) 2-9/16" swab valve, and (1) tree cap. All components are rated to a minimum pressure rating of 5,000 PSI.

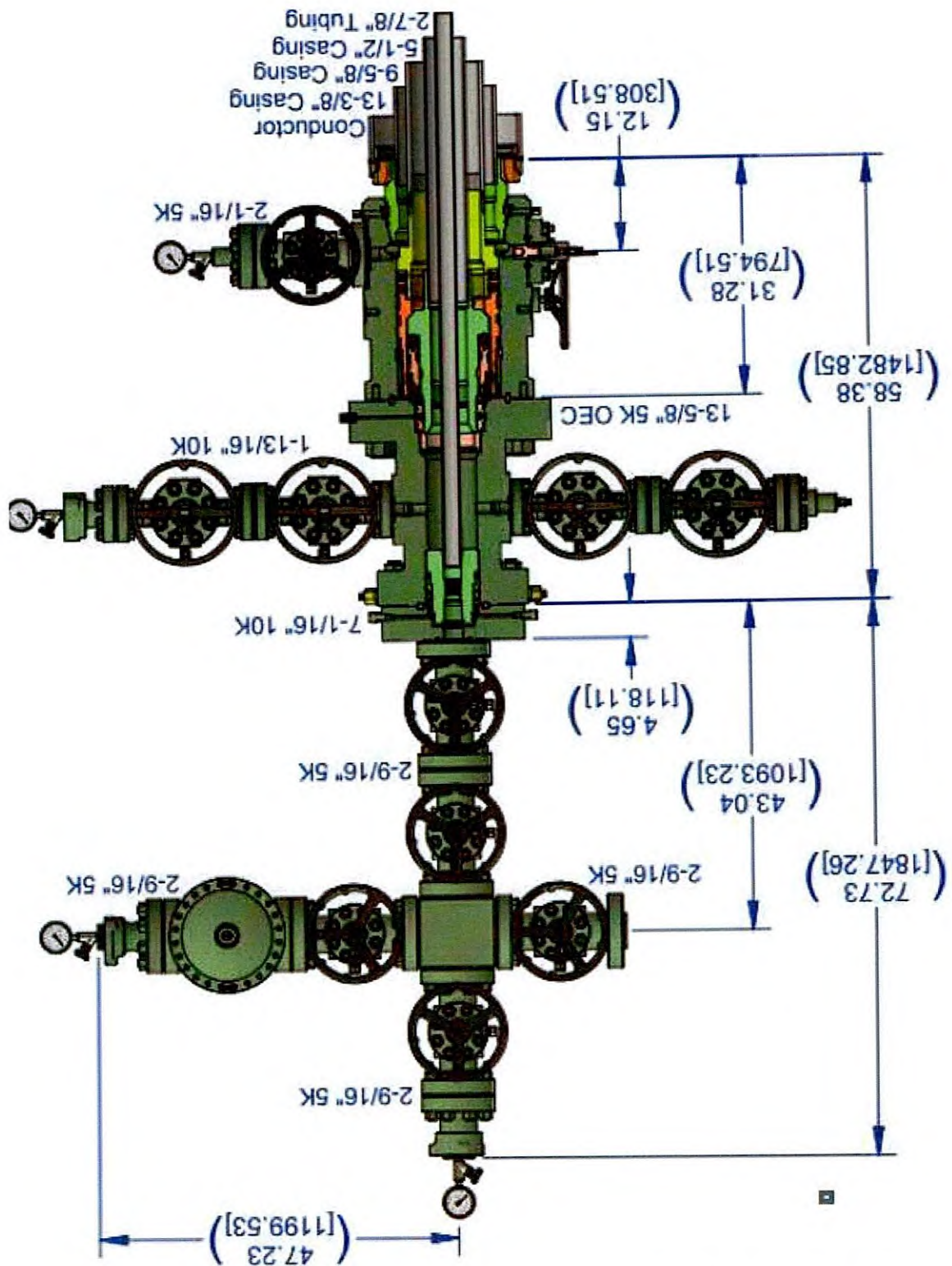
A schematic of the proposed wellhead and tree assembly for both configurations are shown below for reference.

Casing Flow Configuration



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Tubing Flow Configuration



H. WELL CONTROL PLAN

- Surface Section (on air):
 - BOP Equipment: 26" riser with 30" rotating head
 - If a kick occurs:
 - ♣ Pick up off bottom
 - ♣ Bypass air and open to flowline venturi
 - ♣ Pump fresh water down drill string to kill the well
 - If unable to kill the well or manage to evacuate gas away from the rig:
 - ♣ Kill downhole air, venturi should remain active to vent gas from the rig
 - ♣ Evacuate personnel from location and call Wild Well Control (281-784-4700)
 - If non well related evacuation is required (ie. weather):
 - ♣ Pick up off bottom
 - ♣ Continue circulating if possible (2 compressors & 1 booster)
 - If not possible, kill air compressors
 - ♣ Shut down rig and evacuate location
- Intermediate Section (on air):
 - BOP Equipment: 13-5/8" 5k annular & 10k rams
 - If a kick occurs:
 - ♣ Space out (pick up until tool joint is at rig floor)
 - ♣ Bypass air (take air flow off the drill string and divert to flowline), open 2" valve on rig floor bleeding off any stored pressure in the drill string
 - ♣ Close annular or pipe rams (depending on how much gas/psi is present), open HCR valve
 - ♣ Rig will be configured for a Hard Shut In at the choke
 - ♣ Pump fluid down the drill string to kill the well, take returns through the Mud/Gas Separator
 - If unable to kill the well:
 - ♣ Kill pumps, close kelly valve, close in pipe rams, close choke, monitor psi, evacuate personnel from location and call Wild Well Control (281-784-4700)
 - If non well related evacuation is required (ie. weather):
 - ♣ Space out (pick up until tool joint is at rig floor)
 - ♣ Continue circulating if possible (2 compressors & 1 booster)
 - If not possible, kill air compressors

- Close kelly valve, close in pipe rams, close choke
 - ♣ Shut down rig and evacuate location.
- Intermediate or Production Section (on fluid):
 - BOP Equipment: 13-5/8" 5k annular & 10k rams
 - If a kick occurs:
 - ♣ Space out (pick up until tool joint is at rig floor)
 - ♣ Kill pumps, close annular or pipe rams (depending on how much gas/psi is present), open HCR valve
 - ♣ Rig will be configured for a Hard Shut In at the choke
 - ♣ Record pressures, start the Driller's Method to kill the well, take returns to Mud/Gas Separator
 - If unable to kill the well:
 - ♣ Kill pumps, close kelly valve, close in pipe rams, close choke, monitor psi, evacuate personnel from location and call Wild Well Control (281-784-4700)
 - If non well related evacuation is required (ie. weather):
 - ♣ Space out (pick up until tool joint is at rig floor)
 - ♣ Kill pumps, close kelly valve, close in pipe rams, close choke
 - ♣ Shut down rig and evacuate location

6

Hydrogen Sulfide ("H₂S")

A. DETECTION, MONITORING AND WARNING EQUIPMENT

Based upon previous experience and historical data, no H₂S is expected to be encountered during any operations covered by this plan. Detection equipment shall be deployed on or near potential sources of methane or hydrogen sulfide gases on the pad throughout the drilling process. Personnel working in proximity to potential H₂S sources on completions and production operations will be provided with 4-gas monitors.

A windsock and/or flags will be utilized on location to identify wind direction. A safe zone upwind and away from the well will be established.

If H₂S is detected an alarm shall sound and personnel will evacuate to the predetermined safe zone immediately. After personnel are in a safe area, the onsite supervisor will take a head count and make the proper offsite notifications.

If H₂S has been detected, and poses a hazard to the local community, NNE will alert local residents and businesses within a ½ mile radius of the well site (*see attached). Notification may be done in the form of a phone call or a door-to-door visit.

B. NOTIFYING THE OFFICE OF OIL AND GAS

When H₂S is encountered, after all personnel have gathered in the safe zone, the onsite supervisor will take a head count, and then proper offsite notifications shall be made. The DEP Office of Oil and Gas will be notified by phone calls to both the local inspector and the 24-hour emergency reporting service on 800-642-3074.

C. LIST OF PERSONAL PROTECTIVE EQUIPMENT ("PPE")

Operations and the geologic intervals covered in this plan historically have not included the presence of H₂S, for this reason H₂S specific PPE will not be kept on site. Centralized H₂S monitors will be used throughout the drilling process. Personal 4 gas monitors will be used by workers with potential exposure. Personnel on site will be trained to take the necessary steps to safely evacuate and make notifications to public and private third party H₂S trained emergency responders. NNE personnel will work with these parties to assess the hazards and bring in additional resources to mitigate the situation. Operations will not resume until all personnel have specific H₂S certification and are equipped with the proper PPE until the source of H₂S has been eliminated.

D. TRAINING

NNE personnel are trained in H₂S awareness annually.

7

Flaring

A. FLARING POLICY

NNE shall maintain a zero routine flaring policy. The policy pertains to routine flaring and not to flaring for safety reasons or non-routine flaring. Routine flaring of gas shall mean flaring during normal production operations in the absence of sufficient facilities or amenable geology to re-inject the produced gas, utilize it on-site, or dispatch it to a market.

B. NON-ROUTINE FLARING PLAN

(1.0) Drilling

During drilling operations, geologic formations are encountered that can lead to natural gas being brought to the surface by the circulating mud. This gas must be managed at the drilling rig to keep personnel safe. The gas is routed to a flare device which has a non-stop igniter. When the lower explosive limit is reached on the gas content, the flare is automatically ignited, destroying the methane and VOCs in order to maintain a safe operating environment on site. These flaring events, if they occur at all, are of short duration.

The flare placement will be at a height equal or greater to 25' or at a sufficient height taller than the gas separator. It will be located at a minimum 100' from an active well and at a safe location downwind, away from any hazards, and a safe distance from the rig and personnel housing.

(2.0) Completions – Flowback

Flares are not used during NNE's flowback process. Post frac, a system of 2" and 3" Figure 1502 integrated-hammer pup joints will be assembled from the wellhead to a 5,000 PSI plug catcher and choke manifold. The choke manifold shall consist of two parallel adjustable chokes to control the initial flow of the well. Using the same construction iron, from the choke manifold, flow will enter a high-capacity temporary production unit. The liquid fraction from the well will be diverted to gas buster equipped frac- tanks on location. Once the well starts making gas, the gas will be directly diverted through the choke manifold, and temporary production unit, and into the Production Gas Processing Units. Once the gas is accounted for in the GPU, it will then be sent down the sales line.

(3.0) Production

Flares are not used in NNE's production phase. Events that could result in flaring are handled by shutting in the well or routing to a combustor.

8

Collision Avoidance Safeguards, Practices and Standards

Scope of Work:

To ensure that wells are drilled in a safe manner that mitigates the risk of underground collisions on multi-well pads. Key portions of work will be described including roles, responsibilities and steps taken when returning to pads with existing producing or stimulated wells.

Definitions:

- 1) Proposed Wellbore- Involves sections of the vertical top-hole, the KOP, the lateral landing, and the lateral drilling to the total measured depth (TMD).
- 2) Nudge- Technique generally used in the vertical top-hole section. The well path is nudged from vertical to pass areas of possible magnetic interferences and to reduce the risk of collision by maintaining separation with other wellbores.
- 3) KOP- Kick off Point. Diverting a well path from one trajectory to another
- 4) MWD- Measurement While Drilling
- 5) LWD- Logging While Drilling
- 6) EM - Electromagnetic Telemetry
- 7) SF- Separation Factor or Clearance Factor: $SF^* = CC \div [UR_{ref} + UR_{off}]$
 - CC – Well separation distance (center to center of wellbores)
 - UR_{ref} – radius ellipse of uncertainty on reference well
 - UR_{off} – radius ellipse of uncertainty on offset well (Ellipses are half-axes or radii)
 - Calculation options may be considered
- 8) TMD- Total Measured Depth
- 9) Gyro – High accuracy well bore survey instrument unaffected by magnetic interference.
- 10) QC / QA – Quality Control and Quality Assurance
- 11) HSE – Health Safety and the Environment
- 12) UBHO Sub – Universal Bottom Hole Orientation Sub

Established descriptions of risk:

- | | | |
|----------------------|---------|--------------------------|
| 1) $SF \leq 1.0$ | Level 1 | Extreme collision risk |
| 2) $SF = 1.0$ to 1.5 | Level 2 | High collision risk |
| 3) $SF = 1.5$ to 2.0 | Level 3 | Moderate collision risk |
| 4) $SF > 2.0$ | Level 4 | Low to no collision risk |

Well Planning:

Prior to drilling any well, a directional plan will be developed to ensure that the well is properly placed with consideration to permits, lease limitations and future drilling plans. The well will be planned to maintain a SF of ≥ 2.0 whenever possible. If a SF of <2.0 is encountered, additional risk mitigation steps may be required such as increased survey frequency, wellbore steering or installing downhole mechanical barriers.

Survey Protocol:

When drilling wells on a pad without producing or stimulated wells, surveys will be taken every 30' - 500' in the vertical portion of the wellbore depending on wellbore trajectory, hole walk and risk of collision.

When drilling wells on a pad with producing or stimulated wells, surveys will be taken every 30' - 250' in the vertical portion of the wellbore depending on wellbore trajectory, hole walk and risk of collision.

Tool Alignment Procedure:

Tool alignment is critical in eliminating wellbore collision risks. In all wells, north seeking gyro tools, MWD/EM tools and anti-collision processes are utilized to mitigate the risk of downhole collisions. All work groups responsible for the placement of the wellbore share responsibility in ensuring accuracy. The Company Representative, Directional Drilling Supervisor and Gyro Supervisor are all responsible for the alignment of the UBHO Sub and the motor to ensure that azimuthal directional is correct. All parties should visually verify the orientation of the shoe and agree upon a coordinate system and reference point. When possible, MWD tools will be used to minimize risk of incorrect orientation.

Directional Planning and Controls – Vertical Wellbore:

Drilling Without Stimulated Wellbores:

When drilling on pads without producing or stimulated wells, all wells will be planned with a minimum SF ≥ 1.5 , whenever possible. Surveys will be taken at intervals of 500' to record the well path as it is drilled, but the frequency can be increased if needed. Drilling parameters should be held constant for the vertical portions of all wells to ensure the natural drilling path is similar for all wells on the pad. If two wells come within 10' of each other or a SF of ≤ 1.5 is reached, each survey is monitored closely and anti-collision is run after each survey until the wells are clear of a collision risk.

Following the drilling of the vertical section of the wellbore, a gyro survey will be taken. Anti-collision software will be used to analyze this data to ensure safe wellbore spacing. The directional company will utilize their own software to monitor and model wellbores for collision risks.

Drilling With Stimulated Wellbores:

If a rig is returning to a pad with producing or stimulated wellbores, additional steps are required to mitigate risks. Prior to commencing drilling, gyro data from existing wells is analyzed to determine normal hole walk. If a well does not have gyro data, a gyro survey will be run. Once all gyro data is gathered, a preliminary well path is planned to identify collision risks. That plan will be used to identify points of concern where additional risk mitigation steps are needed

When drilling wells on a pad with active production additional well path management practices will be employed. During this scenario, if two wells come within 14' or a SF ≤ 2.0 , each survey is monitored closely and anti-collision re-run after each survey until the wells are clear of a potential collision. The survey frequency can vary from 30'-250' depending on wellbore trajectory, hole walk and risk of collision.

Directional Planning and Controls – Curve and Lateral Wellbore:

While drilling the curve and lateral portions of the wellbores, MWD technology will be used to ensure the well path is drilled according to the drilling plan and the state permit. Azimuth, gamma ray, and other data will be collected and transmitted to the surface. The information will be analyzed by the Directional Drilling Contractor, Company Representative, Drilling Manager and Geologist to ensure the quality of the data and proper interpretation.

Gyro data and/or MWD/EM data will be evaluated in anti-collision software to monitor the path of the well being drilled in relationship to all adjacent wells to ensure an adequate SF is maintained during the vertical, curve and horizontal portions of the wellbore. Survey frequency is to be a minimum of 100' while MWD/EM tools are being utilized. Each survey is analyzed and certified as accurate by the directional company before it can be used for any modeling or directional planning.

Other Data:

Prior to drilling new wells on a pad, a site overview with the wellhead arrangement will be developed. Among the information that will be included is API number, surface footage separation and wellbore status. Additionally, all survey data for each existing well will be compiled for use in well planning.

Contingency Plans:

The wellbore being drilled will be monitored in relation to existing wellbores. Should the active well approach an existing well and the SF be < 1.5 , drilling will be suspended until risks are mitigated by adjusting the directional plan, increasing survey frequency and verifying any necessary mechanical barriers are present in the adjacent wells. If a $SF \leq 1$ is experienced or two wellbores are within 5' of one another, the WV DEP Office of Oil and Gas Regional Inspector will be immediately contacted.

If the wellbore trajectories reach a point where a collision is unavoidable, NNE will properly secure each well and evaluate the most prudent path forward while openly communicating with the WV DEP Oil and Gas Regional Inspector.

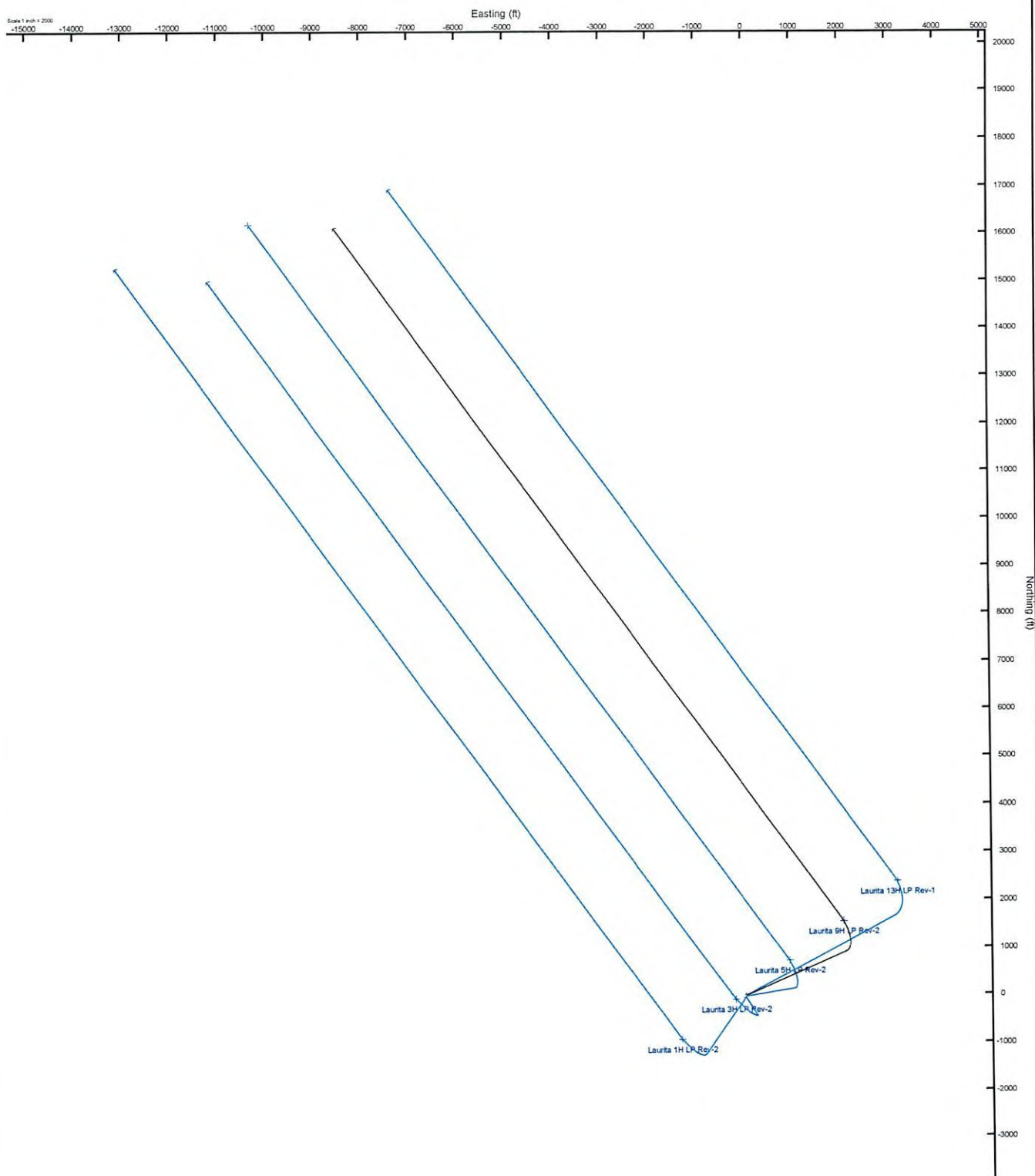
Should a collision occur, the WV DEP Office of Oil and Gas Regional Inspector will be immediately contacted, drilling will be suspended, and all existing wells will be monitored for integrity. If a loss of pressure control in any well is experienced, Wild Well Control, or another professional well control company, will be contracted for technical support and services. If there is not a loss of pressure control, a separate well work procedure will be developed to repair or plug and abandon the affected wells.



NORTHEAST NATURAL ENERGY, LLC

Area: Monongalia County, WV
Field: Monongalia
Facility: Laurita Pad
Slot: 9H

Well: Laurita 9H
UWI/Legal:
Wellbore: Laurita 9H PWB
Wellpath: Laurita 9H PWP Ex-01



10/02/2026



May 15, 2026

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

RE: Laurita 13H

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:

- Stewart Run Rd
- Hawkins Run Rd
- Shuman Run Rd
- Pedlar Run Rd

Sincerely,

A handwritten signature in black ink that reads 'Justin Moroosse'.

Justin Moroosse
Land Acquisition Manager



TWO WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR MUST CONTACT THE WV ONE CALL SYSTEM, INC., 1-800-245-4848 (WV ONE CALL TICKET #24075227904)

OWNER

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

LAURITA WELL PAD GRANT DISTRICT, MONONGALIA COUNTY, WV AUGUST 2025

SHEET INDEX

1. TITLE SHEET

- 2-3. EVAC ROUTE/ PREVAILING WIND
- 4. E&S CONTROL LAYOUT OVERVIEW
- 5-7. E&S CONTROL LAYOUT
- 8. E&S CONTROL AND SITE PLAN OVERVIEW
- 9-11. E&S CONTROL AND SITE PLAN
- 12-14. PROFILES
- 15-26. CROSS-SECTIONS
- 27-30. DETAILS
- 31. RECLAMATION PLAN OVERVIEW
- 32-34. RECLAMATION PLAN

TOTAL DISTURBED AREA: 29.34 AC.

ACCESS ROAD DISTURBED AREA: 12.73 AC.

AST PAD DISTURBED AREA: 3.30 AC.

WELL PAD DISTURBED AREA: 11.85 AC.

COUNTY ROAD RIGHT-OF-WAY AREA: 1.46 AC.

PROPERTY OWNER DISTURBANCE - 27.88 AC.

EXHIBIT B MARION NATURAL ENERGY LLC (TAX MAP AND PARCEL NUMBER 7-17-36) 24.48 AC.
EXHIBIT A PARCEL 1 MARION NATURAL ENERGY LLC (TAX MAP AND PARCEL NUMBER 7-17-34) 1.14 AC.
MATHEW JEFFRIES & PHILIP JEFFRIES (TAX MAP AND PARCEL NUMBER 7-17-33) 2.24 AC.
TOM P SANDOVAL (TAX MAP AND PARCEL NUMBER 7-17-32.1) 0.02 AC.

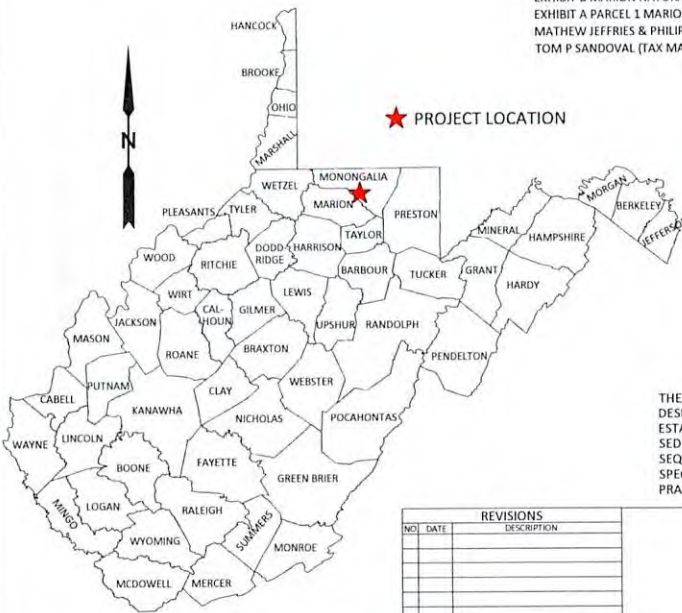
PLANS PREPARED BY:

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



ANDREW BENCHEK
P.E.

DATE



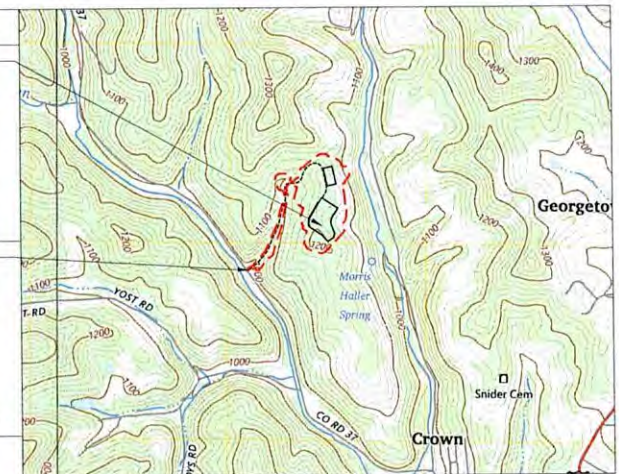
APPROVED
WVDEP OOG
9/10/2025

IN ACCORDANCE WITH WV 35 CSR 8
THE FOLLOWING EROSION & SEDIMENT CONTROL PLAN HAS BEEN
DESIGNED IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES
ESTABLISHED BY THE CHIEF AND PROVIDED IN THE OFFICE'S EROSION AND
SEDIMENT CONTROL FIELD MANUAL. A GENERAL CONSTRUCTION
SEQUENCE, DESCRIPTION OF STABILIZATION METHODS, AND DETAILS &
SPECIFICATIONS FOR EROSION & SEDIMENT BEST MANAGEMENT
PRACTICES HAVE BEEN INCLUDED IN THE PROVIDED DETAIL SHEETS.

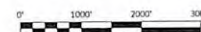
COORDINATES

CENTER OF WELL
(NAD 83)
LAT: 39° 35' 40.38"
LONG: 80° 06' 34.06"
(NAD 83)
LAT: 39.59455
LONG: -80.10946
(NAD 27)
LAT: 39° 35' 40.08"
LONG: 80° 06' 34.80"

SITE ENTRANCE
(NAD 83)
LAT: 39° 35' 31.49"
LONG: 80° 06' 49.46"
(NAD 83)
LAT: 39.59208
LONG: -80.11374
(NAD 27)
LAT: 39° 35' 31.19"
LONG: 80° 06' 50.20"



1"=1000'



REVISIONS	
NO.	DESCRIPTION

TITLE SHEET

LAURITA WELL PAD
GRANT DISTRICT,
MONONGALIA COUNTY, WV
AUGUST 2025

SHEET

1
OF
34

