

State of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

**RECEIVED**  
Office of Oil and Gas

APR 03 2026

API 47 - 061 - 01966 County Monongalia District Clay **WV Department of Environmental Protection**  
Quad Blacksville Pad Name Bunner Field/Pool Name \_\_\_\_\_  
Farm name Patricia A Bunner Well Number 15H  
Operator (as registered with the OOG) Northeast Natural Energy LLC  
Address 707 Virginia St. E, Ste 1200 City Charleston State WV Zip 25301

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4390598.9 Easting 567086.7  
Landing Point of Curve Northing 4390376.4 Easting 565840.1  
Bottom Hole Northing 4394420.5 Easting 563055.6

Elevation (ft) 1,277' GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_  
Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine

Mud Type(s) and Additive(s)  
SYNTHETIC BASED MUD FOR HORIZONTAL SECTION; BIO-BASE 365, CALCIUM CHLORIDE POWDER, G-Seal Plus, HRP, Lime, M-I WATE (BARITE).

M-4-X II MEDIUM, MEGADRIL P SYSTEM, MEGADRIL P SYSTEM RENTAL, MEGAMUL, SAFE-CARB 250, VERSATHIN HF, VERSAWET, VG-PLUS, VINSEAL MEDIUM, WALNUT NUT PLUG MEDIUM, SOLTEX

Date permit issued 9/20/2024 Date drilling commenced 2/4/2025 Date drilling ceased 6/1/2025  
Date completion activities began 7/11/2025 Date completion activities ceased 8/10/2025  
Verbal plugging (Y/N) \_\_\_\_\_ Date permission granted \_\_\_\_\_ Granted by \_\_\_\_\_

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 860' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 2364' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 850' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed by:

APPROVED APR 14 2026  
*Robert [Signature]*

04/24/2026

API 47-061 - 01966 Farm name Patricia A Bunner Well number 15H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	32	24	100	New			Y
Surface	17 1/2	13 3/8	1,296	New	J-55, 54.5	323	Y-50 bbls
Coal							
Intermediate 1	12 1/4	9 5/8	2,576	New	J-55, 36	2,244	Y-25 bbls
Intermediate 2							
Intermediate 3							
Production	8 1/2	5 1/2	25,615	New	HP P110, 20		Y-15 bbls
Tubing							
Packer type and depth set							

Comment Details Surface casing set to cover Red Rock based on previous trips.

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	Class A	210	15.6	1.18	247	CTS	>8hrs
Surface	Class L	1,200	15.6	1.14	1,363	CTS	8 hrs
Coal							
Intermediate 1	Class L	905	15.6	1.12	1,017	CTS	8 hrs
Intermediate 2							
Intermediate 3							
Production	Class L 50:50 POZ	5,060	14.5	1.16	5,863	CTS	>8 hrs
Tubing							

Drillers TD (ft) 25,707' Loggers TD (ft) 25,615'

Deepest formation penetrated Marcellus Plug back to (ft) \_\_\_\_\_

Plug back procedure \_\_\_\_\_

Kick off depth (ft) 8,602'

Check all wireline logs run  caliper  density  deviated/directional  induction  
 neutron  resistivity  gamma ray  temperature  sonic

Well cored  Yes  No Conventional Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING \_\_\_\_\_

Surface: Shoe track and every 3rd joint to surface

Intermediate: Shoe track and every 3rd joint to surface

Production: Shoe track and every joint in the lateral to KOP, then every third joint to surface

WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_

**RECEIVED**  
Office of Oil and Gas

APR 03 2026

WV Department of  
Environmental Protection



API 47- 061 - 01966 Farm name Patricia A Bunner Well number 15H

PRODUCING FORMATION(S)	DEPTHS		
Marcellus	8,038'	TVD	25,707' MD

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 3240 psi Bottom Hole 4187 psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 5379 mcfpd Oil   bpd NGL   bpd Water   bpd GAS MEASURED BY  Estimated  Orifice  Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	0		0		
		See attached			

**RECEIVED**  
Office of Oil and Gas

APR 03 2026

WV Department of  
Environmental Protection

Please insert additional pages as applicable.

Drilling Contractor Highlands Drilling an SDI Company (top- hole)& Patterson UTI, 67090 Executive Dr., St. Clairsville, OH 43950 (horizontal)  
Address 130 Meadow Ridge Rd, Ste 44 City Mt. Morris State PA Zip 15349

Logging Company Baker Hughes  
Address 1681 E. Main Street City Bridgeport State WV Zip 26330

Cementing Company NexTier  
Address 3990 Rogerdale Rd City Houston State TX Zip 77042

Stimulating Company Evolution Well Services  
Address 1780 Hughes Landing Blvd. Suite 123 City The Woodlands State TX Zip 77381

Please insert additional pages as applicable.

Completed by Hollie Medley Telephone 304-212-0422  
Signature  Title Regulatory Manager Date 4-1-26

Submission of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

04/24/2026

<b>Bunner 15H</b>				
Perforation Report				
Stage Number	Report Date	Total Shots	Cluster 1 Top TD	Cluster 5 Bottom TD
1	7/11/2025			25,505
2	7/11/2025	40	25,462	25,305
3	7/12/2025	40	25,263	25,106
4	7/12/2025	40	25,064	24,907
5	7/12/2025	40	24,865	24,708
6	7/13/2025	40	24,666	24,509
7	7/13/2025	40	24,468	24,311
8	7/13/2025	40	24,269	24,112
9	7/14/2025	40	24,070	23,913
10	7/14/2025	40	23,871	23,714
11	7/14/2025	40	23,672	23,515
12	7/15/2025	40	23,474	23,317
13	7/16/2025	40	23,275	23,118
14	7/16/2025	40	23,076	22,919
15	7/17/2025	40	22,877	22,720
16	7/17/2025	40	22,678	22,521
17	7/17/2025	40	22,480	22,323
18	7/18/2025	40	22,281	22,124
19	7/18/2025	40	22,082	21,925
20	7/19/2025	40	21,883	21,726
21	7/19/2025	40	21,684	21,527
22	7/19/2025	40	21,486	21,329
23	7/20/2025	40	21,287	21,130
24	7/20/2025	40	21,088	20,931
25	7/20/2025	40	20,889	20,732
26	7/21/2025	40	20,690	20,533
27	7/21/2025	40	20,492	20,335
28	7/22/2025	40	20,293	20,136
29	7/22/2025	40	20,094	19,937
30	7/22/2025	40	19,895	19,738
31	7/23/2025	40	19,696	19,539
32	7/23/2025	40	19,498	19,341
33	7/23/2025	40	19,299	19,142
34	7/24/2025	40	19,100	18,943
35	7/24/2025	40	18,901	18,744
36	7/25/2025	40	18,702	18,545
37	7/25/2025	40	18,504	18,347
38	7/25/2025	40	18,305	18,148
39	7/26/2025	40	18,106	17,949
40	7/26/2025	40	17,907	17,750
41	7/27/2025	40	17,708	17,551
42	7/27/2025	40	17,510	17,353

**RECEIVED**  
Office of Oil and Gas  
APR 03 2026  
WV Department of  
Environmental Protection

43	7/27/2025	40	17,311	17,154
44	7/28/2025	40	17,112	16,955
45	7/28/2025	40	16,913	16,756
46	7/28/2025	40	16,714	16,557
47	7/29/2025	40	16,516	16,359
48	7/29/2025	40	16,317	16,160
49	7/30/2025	40	16,118	15,961
50	7/30/2025	40	15,919	15,762
51	7/30/2025	40	15,720	15,563
52	7/31/2025	40	15,522	15,365
53	7/31/2025	40	15,323	15,166
54	8/1/2025	40	15,124	14,967
55	8/1/2025	40	14,925	14,768
56	8/1/2025	40	14,726	14,569
57	8/2/2025	40	14,528	14,371
58	8/2/2025	40	14,329	14,172
59	8/2/2025	40	14,130	13,973
60	8/3/2025	40	13,931	13,774
61	8/3/2025	40	13,732	13,575
62	8/4/2025	40	13,534	13,377
63	8/4/2025	40	13,335	13,178
64	8/4/2025	40	13,136	12,979
65	8/5/2025	40	12,937	12,780
66	8/5/2025	40	12,738	12,581
67	8/6/2025	40	12,540	12,383
68	8/6/2025	40	12,341	12,184
69	8/6/2025	40	12,142	11,985
70	8/7/2025	40	11,943	11,786
71	8/7/2025	40	11,744	11,587
72	8/7/2025	40	11,546	11,389
73	8/8/2025	40	11,347	11,190
74	8/8/2025	40	11,148	10,991
75	8/8/2025	40	10,949	10,792
76	8/9/2025	40	10,750	10,593
77	8/9/2025	40	10,552	10,395
78	8/9/2025	40	10,353	10,196
79	8/10/2025	40	10,154	9,997
80	8/10/2025	40	9,955	9,798
81	8/10/2025	40	9,756	9,599

**RECEIVED**  
Office of Oil and Gas

APR 03 2026

WV Department of  
Environmental Protection

7832

## Bunner 15H Stimulation Report

Stage Number	Report Date	ISIP (psi)	Breakdown Pressure (psi)	Avg Treating Pressure (psi)	Avg Treating Rate (BPM)	Pad Volume (bbls)	Total Clean Fluid (Bbls)	Total Proppant Amount (lbs)	Flush Volume (bbls)
1	7/11/2025	5,116	7,700	9,972	93	530	7,552	300,820	564
2	7/11/2025	5,125	6,106	9,970	91	40	9,676	454,660	559
3	7/12/2025	5,255	6,854	10,247	86	10	9,832	461,320	555
4	7/12/2025	5,107	7,116	10,289	87	21	9,951	461,860	550
5	7/12/2025	5,226	7,433	9,945	88	15	9,664	455,420	546
6	7/13/2025	578	7,361	10,352	88	22	9,794	455,220	542
7	7/13/2025	5,614	7,644	10,250	86	22	9,838	461,180	537
8	7/13/2025	6,024	6,928	10,482	90	35	9,645	450,580	533
9	7/14/2025	5,567	7,043	10,433	88	31	9,695	462,140	528
10	7/14/2025	5,208	7,716	10,475	92	10	9,829	455,820	524
11	7/14/2025	5,481	6,637	10,430	91	11	9,716	453,520	520
12	7/15/2025	5,693	7,025	10,512	94	10	9,721	456,180	515
13	7/16/2025	5,376	8,307	10,525	92	10	9,676	453,940	511
14	7/16/2025	6,114	8,016	10,479	95	14	9,664	453,260	506
15	7/17/2025	5,735	7,243	10,523	95	10	9,730	456,080	502
16	7/17/2025	5,508	7,570	10,412	95	15	9,885	454,200	498
17	7/17/2025	5,237	7,108	10,460	95	10	9,612	454,420	493
18	7/18/2025	5,135	7,910	10,501	95	10	9,665	453,458	489
19	7/18/2025	5,404	7,707	10,380	98	10	9,595	452,600	484
20	7/19/2025	5,332	6,805	10,221	95	10	9,731	457,700	480
21	7/19/2025	5,030	6,212	10,185	96	10	9,634	454,395	476
22	7/19/2025	5,217	6,991	10,205	96	10	9,589	453,880	471
23	7/20/2025	5,064	7,084	10,204	96	10	9,671	454,260	467
24	7/20/2025	5,549	6,779	10,284	96	10	9,607	453,500	463
25	7/20/2025	5,032	6,770	10,174	97	10	9,734	460,800	458
26	7/21/2025	5,462	7,968	10,176	96	10	9,602	454,360	454
27	7/21/2025	5,463	6,499	10,112	95	10	9,587	455,200	449
28	7/22/2025	5,129	7,881	10,084	96	10	9,617	459,720	445
29	7/22/2025	5,520	6,637	9,888	96	10	9,606	455,780	441
30	7/22/2025	5,283	7,980	10,108	96	10	9,522	451,840	436
31	7/23/2025	5,127	6,878	9,984	96	10	9,596	456,080	432
32	7/23/2025	5,415	7,303	9,839	97	10	9,583	458,220	427
33	7/23/2025	5,217	7,337	9,826	97	10	9,653	460,160	423
34	7/24/2025	5,983	7,341	9,844	97	10	9,631	457,940	419
35	7/24/2025	5,616	7,334	9,790	96	10	9,616	459,540	414
36	7/25/2025	5,480	7,650	9,801	97	10	9,577	455,060	410
37	7/25/2025	5,824	7,438	9,841	98	10	9,828	456,180	405
38	7/25/2025	5,332	7,133	9,950	97	10	9,661	458,060	401
39	7/26/2025	5,577	7,248	9,964	97	10	9,577	458,160	397
40	7/26/2025	5,316	6,706	9,637	97	10	9,423	449,900	392
41	7/27/2025	5,529	6,853	9,568	98	10	9,566	458,440	388

04/24/2026

8 A 32

42	7/27/2025	5,522	7,008	9,517	97	10	9,557	455,940	383
43	7/27/2025	5,188	6,847	9,600	97	10	9,547	454,740	379
44	7/28/2025	5,421	7,773	9,697	97	10	9,591	453,880	375
45	7/28/2025	5,436	7,293	9,568	97	10	9,482	454,680	370
46	7/28/2025	5,252	7,255	97	9,567	10	9,536	458,120	366
47	7/29/2025	5,611	6,956	9,620	97	10	9,579	460,240	361
48	7/29/2025	4,980	7,252	9,566	98	10	9,585	456,300	357
49	7/30/2025	4,998	7,443	9,716	97	10	9,516	458,800	353
50	7/30/2025	5,226	6,753	9,666	97	10	9,501	456,340	348
51	7/30/2025	5,149	8,114	9,640	97	19	9,436	453,820	344
52	7/31/2025	5,059	7,456	9,476	97	10	9,487	460,980	340
53	7/31/2025	5,265	5,768	9,269	92	10	9,521	458,020	335
54	8/1/2025	5,282	8,787	9,539	97	10	9,402	453,740	331
55	8/1/2025	5,078	8,307	9,370	97	10	9,515	454,300	326
56	8/1/2025	5,215	7,939	9,324	97	10	9,527	452,820	322
57	8/2/2025	5,143	7,266	9,239	99	10	9,511	452,320	318
58	8/2/2025	5,363	7,156	9,784	99	10	9,551	456,360	313
59	8/2/2025	4,892	7,819	9,747	98	10	9,613	458,100	309
60	8/3/2025	5,120	7,750	9,401	98	10	9,533	459,020	304
61	8/3/2025	4,979	7,125	9,626	98	10	9,490	454,380	300
62	8/4/2025	5,344	7,148	9,760	98	10	9,538	458,680	296
63	8/4/2025	5,454	7,226	9,608	99	10	10,472	456,560	291
64	8/4/2025	5,530	7,115	9,456	98	10	9,450	458,220	287
65	8/5/2025	5,468	6,862	9,314	99	10	9,555	453,480	282
66	8/5/2025	5,541	6,821	9,504	97	10	9,505	456,100	278
67	8/6/2025	5,385	6,718	9,346	98	10	9,491	455,640	274
68	8/6/2025	5,509	6,743	9,201	98	10	9,440	455,540	269
69	8/6/2025	5,714	7,009	9,116	98	10	9,421	453,600	265
70	8/7/2025	5,316	7,475	9,138	98	10	9,399	453,480	260
71	8/7/2025	5,290	7,109	9,152	98	10	9,502	457,240	256
72	8/7/2025	5,856	7,606	8,748	98	10	9,490	455,000	252
73	8/8/2025	5,074	7,910	9,585	98	10	9,421	457,300	247
74	8/8/2025	5,311	7,309	9,317	98	10	9,441	454,520	243
75	8/8/2025	5,725	8,144	9,310	99	10	9,474	459,020	238
76	8/9/2025	5,101	7,650	9,414	99	10	9,491	459,470	234
77	8/9/2025	5,552	7,642	9,467	96	10	9,443	456,280	230
78	8/9/2025	5,768	7,413	9,186	98	10	9,391	449,980	225
79	8/10/2025	5,677	7,142	9,104	99	10	9,404	455,280	221
80	8/10/2025	5,451	7,420	9,178	98	10	9,363	456,760	216
81	8/10/2025	5,277	7,320	9,240	97	10	9,365	452,740	212

RECEIVED  
Office of Oil and Gas

APR 03 2026

WV Department of  
Environmental Protection

04/24/2026

<b>Bunner Completion Lithology</b>			
<b>Lithology/Formation</b>	<b>Top Depth in FT TVD</b>	<b>Bottom Depth in FT TVD</b>	<b>Describe rock type and record quantity and type of fluid (freshwater, brine, oil, gas, H2S, etc)</b>
Sand/silt	0	280	Sand/silt
silt/shale	280	420	silt/shale
Washington Coal	420	425	Washington Coal
sandstone	425	485	sandstone
Waynesburg coal	485	490	Waynesburg coal
siltstone/sandstone	490	580	siltstone/sandstone
Uniontown coal	580	584	Uniontown coal
sandstone	584	680	sandstone
siltstone/sandstone	680	715	siltstone/sandstone
sandstone/siltstone	715	767	sandstone/siltstone
sandstone/limestone	767	800	sandstone/limestone
Limestone/sandstone/shale	800	850	Limestone/sandstone/shale
Pittsburgh coal	850	860	Pittsburgh coal
Limestone/siltstone	860	880	Limestone/siltstone
Limestone	880	1000	Limestone
Limestone/siltstone/Red Rock	1000	1060	Limestone/siltstone/Red Rock
Red Rock/siltstone	1060	1240	Red Rock/siltstone
Maxon	1240	1260	Maxon
sandstone/siltstone	1260	1990	sandstone/siltstone
Red Rock/siltstone	1990	2124	Red Rock/siltstone
Little Lime	2124	2177	Little Lime
Big Lime	2177	2300	Big Lime
siltstone/sandstone	2300	2364	siltstone/sandstone
Big Injun	2364	2456	Big Injun
siltstone/sandstone	2456	2530	siltstone/sandstone
Gantz	2530	2551	Gantz
Sand/shale	2551	2805	Sand/shale
Gordon	2805	2910	Gordon
siltstone/sandstone	2910	7185	
gray shale/siltstone	7185	7396	gray shale/siltstone
Middlesex	7396	7644	Middlesex
Burkett	7644	7825	Burkett
Geneseo	7825	7875	Geneseo
Tully	7875	7926	Tully
Hamilton	7926	8026	Hamilton
Marcellus	8026	TD	Marcellus

**RECEIVED**  
 Office of Oil and Gas  
 APR 03 2026  
 WV Department of  
 Environmental Protection

9832









## Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	07/11/2025
Job End Date:	08/10/2025
State:	West Virginia
County:	Monongalia
API Number:	47-061-01966-00-00
Operator Name:	Northeast Natural Energy LLC
Well Name and Number:	Bunner 15H
Latitude:	39.673688
Longitude:	-80.273268
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	9597
Total Base Water Volume (gal)*:	34278720
Total Base Non Water Volume:	0



Water Source	Percent
Other, > 1000TDS	85.00%

**RECEIVED**  
Office of Oil and Gas  
**APR 03 2026**  
WV Department of  
Environmental Protection

### Hydraulic Fracturing Fluid Composition:

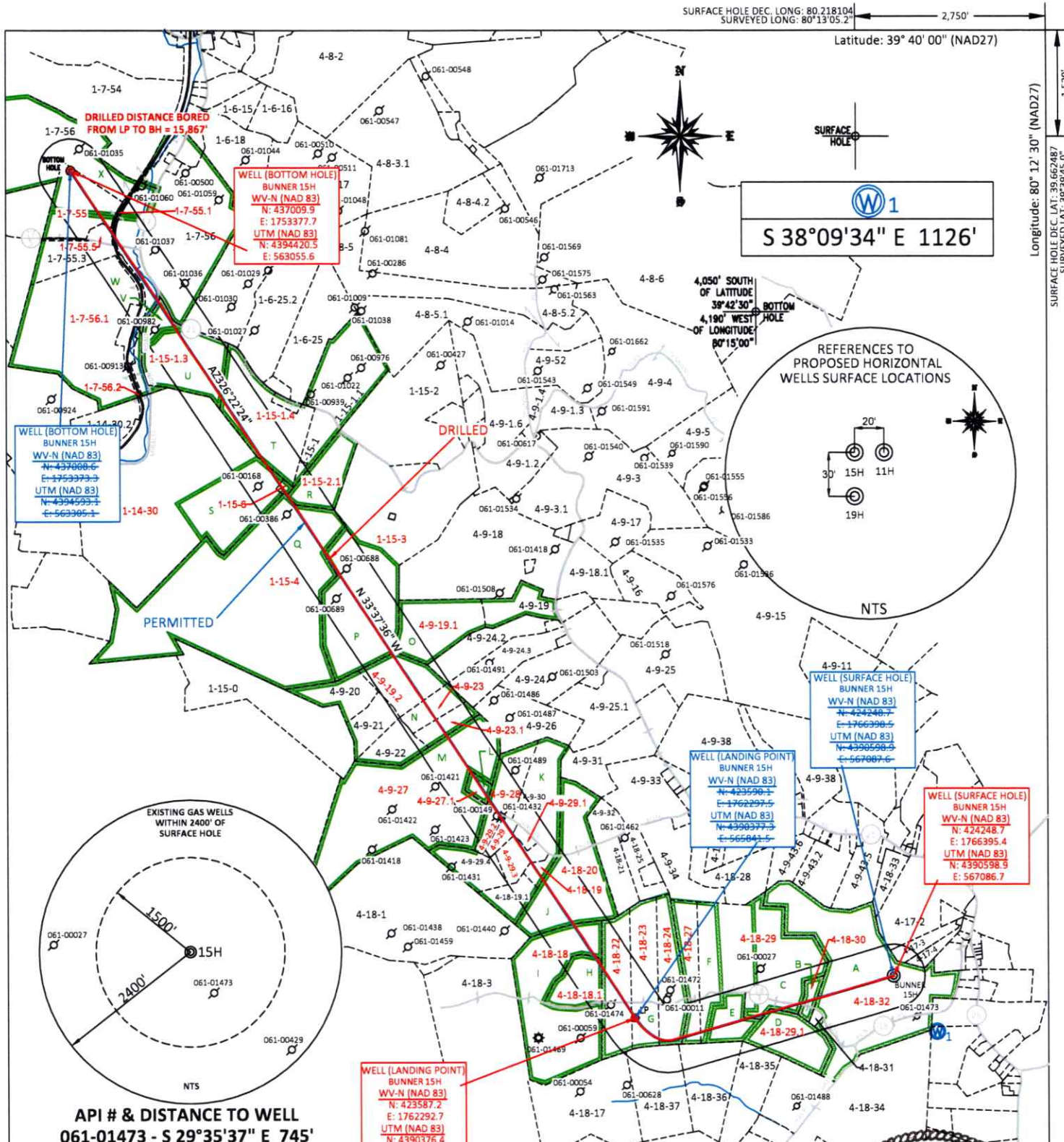
Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Clearal 268	Chemstream	Biocide					
EZ-A 431	Obsidian Chemical Solutions	Chemical Blend					
HCL Acid (28%)	CHEMSTREAM	Acid					
Sand	US Silica	Proppant					
StimSTREAM FR 9800	Chemstream	Friction Reducer					
StimSTREAM SC 810	Chemstream	Scale Control					
Water	CNX	Carrier/Base Fluid					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	88.49895	None
			Crystalline Silica in the form of Quartz	14808-60-7	99.90000	11.36503	None
			ACRYLAMIDE-CHLORIDE SALT OF	69418-26-4	40.00000	0.03057	None

04/24/2026

			TRIMETHYLAMMONIO-ETHYL ACRYLATE COPOLYMER				
			ALKANES, C12-26-BRANCHED AND LINEAR	90622-53-0	40.00000	0.03057	None
			Hydrogen chloride	7647-01-0	28.00000	0.00985	None
			Glutaraldehyde	111-30-8	20.00000	0.00425	None
			ETHOXYLATED ALCOHOLS (C12-16)	68551-12-2	5.00000	0.00382	None
			AA/Maleic Anhydride Co-polymer	9003-04-7	10.00000	0.00200	None
			AA/ATBS Co-polymer	9003-05-8	10.00000	0.00200	None
			Quaternary Ammonium Compounds	68424-85-1	3.00000	0.00064	None
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00064	None
			Ethanol	64-17-5	1.50000	0.00032	None
			Methanol	67-56-1	25.00000	0.00006	None
			Pyridinium, 1-(phenylmethyl)-, ethyl methyl derivs., chlorides	68909-18-2	25.00000	0.00006	None
			Ethanoic Acid	Proprietary	15.00000	0.00004	None
			Ethoxylated Alcohols	Proprietary	15.00000	0.00004	None
			2-ethylhexanol	104-76-7	5.00000	0.00001	None
			Ethoxylated Nonylphenols	127087-87-0	5.00000	0.00001	None


\* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water  
 \*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

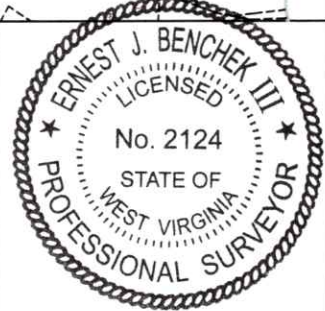
Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided. Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)



FILE #: NEE14  
 DRAWING #: 4049  
 SCALE: PLAT: 1" = 2200'  
 TICK MARK: 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:   
 L.L.S. #2124 : Ernest J. Benchek III



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304

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

WATERSHED: DUNKARD CREEK  
 COUNTY/DISTRICT: MONONGALIA / CLAY  
 SURFACE OWNER: PATRICIA A. BUNNER  
 OIL & GAS ROYALTY OWNER: PATRICIA BUNNER, et al  
 LEASE NUMBERS: \_\_\_\_\_

DATE: OCTOBER 9, 2025  
 OPERATOR'S WELL #: BUNNER 15H AS-DRILLED  
 API WELL #: 47 STATE 61 COUNTY 01966 PERMIT  
 AS-BUILT ELEVATION: 1,277.25'

WATERSHED: DUNKARD CREEK  
 COUNTY/DISTRICT: MONONGALIA / CLAY  
 QUADRANGLE: BLACKSVILLE, WV  
 ACREAGE: 91.93 +/-  
 ACREAGE: 1269.00

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  
 DRILLED DEPTH: TVD: 8,038' TMD: 25,707'  
 WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC  
 DESIGNATED AGENT: JOHN ADAMS  
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200  
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200  
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301  
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

PROPERTY OWNER INDEX	
1-7-55	BRUCE & KAREN W HAUGHT
1-7-55.1	PENNSYLVANIA LINES LLC
1-7-55.5	DAVID R & CRYSTAL J SPEARS
1-7-56.1	RICHARD E SHRIVER
1-7-56.2	PENNSYLVANIA LINES LLC
1-14-30	FOX JOHN TRUST FOR BONNIE HUMBERTSON
1-15-1.3	WAYNE & SHEILA BLATT
1-15-1.4	GARY ROBBINS
1-15-2.1	GARY E ROBBINS
1-15-3	SHUMAN INC
1-15-4	STANDARD LAND CO LLC & ARKANSAS ENERGY PARTNERS LLC
1-15-6	ERP FEDERAL MINING COMPLEX LLC
4-9-19.1	JEFFREY & JODIE SHRIVER
4-9-19.2	JEFFREY & JODIE SHRIVER
4-9-23	EVERETT D WILSON, DOTTIE REESMAN & CINDY DONALDSON
4-9-23.1	HAMPTON D COTTRELL
4-9-27	RICHARD & SANDY FRANCIS
4-9-27.1	RICHARD & SANDY FRANCIS
4-9-28	BRADFORD A WILSON; CATHY DEMASI; TERRY MATTERN
4-9-29	PAULA & MATTHEW MCCLAIN
4-9-29.1	EDWARD BAEZ JR
4-9-29.2	MICHAEL RANDOLF AMMONS (LIFE TREVOR RANDOLPH AMMONS & KAYLA CAROLINE HAYES)
4-9-29.3	JESSE A AMMONS (LIFE-VIOLET)
4-18-18	PRUDENCE G BERRY TERESA TENNANT
4-18-18.1	GILBERT DONALD BERRY
4-18-19	CHARLES R MAYS
4-18-20	JERRY WILSON; JUDITH WILSON JEFREY; WILSON JANICE K WILSON; JAMES L WILSON, ET AL
4-18-22	MARK MYERS
4-18-23	CARMEL G BROOKOVER JR
4-18-24	DONNA JO & WEBSTER M VARNER
4-18-27	DONNA JO & WEBSTER M VARNER
4-18-29	GILBERT DONALD BERRY (LIFE-ROBERT E BERRY SR)
4-18-29.1	BILLY VON DEVINE
4-18-30	PRUDENCE G BERRY
4-18-32	PATRICIA A BUNNER

LEASE INDEX			
A	WV-061-004154-001	N	WV-061-005811-017
B	WV-061-005378-013	O	WV-061-005792-009
C	WV-061-005966-001	P	WV-061-006209-001
D	WV-061-005639-001	Q	WV-061-000209-001-ACT
E	WV-061-005917-001	R	WV-061-005893-001
F	WV-061-005890-001	S	WV-061-006061-002
G	WV-061-005935-006	T	WV-061-505825-001
H	WV-061-006254-004	U	WV-061-505825-001
I	WV-061-005931-001	V	WV-061-505825-001
J	WV-061-005403-015	W	WV-061-004400-001
K	WV-061-005826-001	X	WV-061-005844-001
L	WV-061-006359-002		
M	WV-061-006362-013		

04/24/2026

FILE #: NEE14

DRAWING #: 4049

SCALE: N/A

DATE: OCTOBER 9, 2025

OPERATOR'S WELL #: BUNNER 15H AS-DRILLED

API WELL #: 47 61 01966  
STATE COUNTY PERMIT