

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

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Office of Oil and Gas

JUL 08 2026

WV Department of
Environmental Protection

API 47-049-02598 County Marion District Lincoln
Quad Grant Town Pad Name Upton Field/Pool Name _____
Farm name Northeast Natural Energy LLC Well Number 5H-A
Operator (as registered with the OOG) Northeast Natural Energy LLC
Address 707 Virginia Street E, Suite 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 4377049.8 Easting 568134.3
Landing Point of Curve Northing 4377357.1 Easting 568481.9
Bottom Hole Northing 4380952.5 Easting 565786.3

Elevation (ft) 1372.5' 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 I 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 10/28/25 Date drilling commenced 10/29/25 Date drilling ceased 1/14/26
Date completion activities began 2/16/26 Date completion activities ceased 3/14/26
Verbal plugging (Y/N) 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 710' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 2180' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 586', 668', 710' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed
Approved

Reviewed by:


08/28/2026
8-13-26

WR-35
Rev. 8/23/13

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API 47- 049 - 02598 Farm name Northeast Natural Energy LLC Well number 5H A

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	N/A	N/A	CTS
Surface	22"	13.375"	838'	New	J 55/54.5	N/A	Y 41 bbls
Coal							
Intermediate 1	12.25"	9.625"	2,240'	New	J 55/36	N/A	Y 22 bbls
Intermediate 2							
Intermediate 3							
Production	8.5"	5.5"	23,420'	New	HP P 110/20	N/A	1510' TOC
Tubing							
Packer type and depth set							RECEIVED Office of Oil and Gas

Comment Details JUL 08 2026

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CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Class A	214	15.6	1.18	252.52	CTS	>72
Surface	Class A	1630	15.6	1.20	1956	CTS	8
Coal							
Intermediate 1	Class A	805	15.6	1.18	950	CTS	8
Intermediate 2							
Intermediate 3							
Production	50% Class A & 50% Poz	4,295	14.5	1.19	5,111	1510'	>72
Tubing							

Drillers TD (ft) 23,468' Loggers TD (ft) 23,420'

Deepest formation penetrated Huntersville Plug back to (ft) 4837'

Plug back procedure Plug back pilot hole well set cement plugs from vertical TD 8005' to 4837'. Wait on cement kicked off with directional tools

Kick off depth (ft) 7580'

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 _____

08/28/2026

API 47- 049 - 02598

Farm name Northeast Natural Energy LLC

Well number 5H A

PERFORATION RECORD

[illegible]

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

08/28/2026

API 47- 049 - 02598 Farm name Northeast Natural Energy LLC Well number 5H A

PRODUCING FORMATION(S) DEPTHS
Marcellus 7761' TVD 23,468' MD

Please insert additional pages as applicable.

GAS TEST ☐ Build up ☐ Drawdown ☒ Open Flow OIL TEST ☐ Flow ☐ Pump

SHUT-IN PRESSURE Surface 1932 psi Bottom Hole 4876 psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 795 mcfpd Oil bpd NGL bpd Water bpd GAS MEASURED BY ☐ Estimated ☒ Orifice ☐ Pilot

LITHOLOGY/ FORMATION TOP DEPTH IN FT NAME TVD BOTTOM DEPTH IN FT TVD TOP DEPTH IN FT MD BOTTOM DEPTH IN FT MD DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H₂S, ETC)

	0		0		
See Attached					

Please insert additional pages as applicable.

Drilling Contractor Patterson UTI
Address 67090 Executive Drive City St. Clairsville State OH Zip 43950

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 Hollie Medley Title Regulatory Manager Date 7-2-2016

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

08/28/2026

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Upton 5H-A
Stimulation Report

WV Department of
Environmental Protection

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)	Pump Time (min)
1	2/16/2026	5,379		9,989	99	10	7,298	301,100	525	129
2	2/16/2026	5,564	6,491	10,270	99	10	10,488	495,980	513	120
3	2/17/2026	5,580	6,801	10,473	100	5	10,505	504,810	509	119
4	2/18/2026	5,277	6,264	10,472	100	5	10,602	502,660	522	120
5	2/18/2026	6,076	6,302	10,542	98	10	10,568	503,500	500	122
6	2/18/2026	5,780	6,645	10,566	100	5	10,477	500,860	508	119
7	2/19/2026	6,501	6,612	10,557	99	5	10,485	496,490	490	118
8	2/19/2026	6,757	6,496	10,466	97	5	10,329	496,980	465	121
9	2/20/2026	6,727	7,283	10,486	98	10	11,955	497,248	482	139
10	2/20/2026	6,445	6,420	10,527	98	10	10,597	499,680	477	123
11	2/21/2026	5,632	6,532	10,562	99	5	10,393	502,420	502	120
12	2/21/2026	6,366	6,315	10,509	98	10	10,537	503,180	468	123
13	2/21/2026	5,318	6,588	10,170	100	5	10,527	498,620	471	119
14	2/22/2026	5,933	6,619	10,497	100	5	10,496	501,820	452	117
15	2/22/2026	6,353	6,610	10,327	100	10	10,521	500,800	455	116
16	2/22/2026	5,988	5,113	10,253	100	5	10,509	501,700	452	116
17	2/23/2026	6,164	6,294	10,350	100	10	10,456	505,800	446	118
18	2/23/2026	5,939	6,498	10,486	100	5	10,550	498,440	442	119
19	2/24/2026	6,288	6,877	10,366	100	5	10,110	499,880	433	112
20	2/24/2026	6,276	7,255	10,391	100	10	10,271	499,780	432	114
21	2/24/2026	6,199	6,973	10,512	100	5	10,041	501,620	427	114
22	2/25/2026	6,549	6,695	10,497	99	5	10,171	503,280	423	115
23	2/25/2026	6,630	6,451	10,383	100	10	10,129	500,160	419	114
24	2/25/2026	6,154	6,605	10,346	100	5	10,189	505,800	414	114
25	2/26/2026	6,829	6,453	10,138	96	10	10,287	499,880	409	115
26	2/26/2026	6,590	5,959	10,125	100	5	10,061	498,660	399	113
27	2/27/2026	5,819	6,459	10,136	100	5	10,012	501,580	394	112
28	2/27/2026	6,944	6,495	10,092	100	10	10,164	499,728	396	113
29	2/27/2026	5,788	6,182	9,981	100	5	10,008	498,380	389	114
30	2/28/2026	5,656	5,296	9,869	100	5	11,167	501,600	390	101
31	2/28/2026	6,133	7,309	10,145	100	10	10,156	502,560	382	113
32	2/28/2026	5,876	5,682	10,232	100	5	10,222	500,500	392	114
33	3/1/2026	6,005	5,923	10,241	100	10	10,062	501,360	373	111
34	3/1/2026	5,963	6,327	10,235	100	10	9,813	506,000	369	109
35	3/1/2026	6,624	5,035	10,204	100	5	9,693	506,040	364	108
36	3/2/2026	6,060	5,472	10,284	100	2	9,836	503,350	379	110
37	3/2/2026	6,060	6,425	10,081	100	2	9,802	506,440	361	109
38	3/2/2026	5,950	4,785	9,769	100	10	9,838	504,370	351	109
39	3/3/2026	6,317	5,860	9,778	100	2	9,769	503,220	346	108
40	3/3/2026	5,628	5,070	9,787	100	2	9,840	504,660	339	112
41	3/4/2026	5,820	6,325	9,807	100	10	9,684	506,198	337	107
42	3/4/2026	6,005	4,976	9,642	100	2	9,842	506,840	333	109
43	3/4/2026	5,820	6,522	9,835	100	10	9,822	502,640	328	108
44	3/5/2026	5,651	6,704	9,746	100	10	9,711	502,428	324	108
45	3/5/2026	5,811	6,206	9,596	100	2	9,833	507,028	319	108

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46	3/6/2026	5,094	5,206	9,820	100	10	9,679	502,980	315	106
47	3/6/2026	6,815	6,706	9,732	100	2	10,007	500,640	312	112
48	3/6/2026	5,993	6,747	10,057	100	2	9,726	505,380	307	107
49	3/7/2026	5,128	6,281	9,535	100	10	9,673	500,240	301	108
50	3/7/2026	5,802	6,850	9,243	100	2	9,713	506,360	298	106
51	3/7/2026	5,402	6,349	9,321	100	10	9,631	496,660	292	105
52	3/8/2026	5,460	5,748	9,246	100	10	9,659	501,000	288	107
53	3/8/2026	6,352	4,713	9,000	100	2	9,619	496,740	381	106
54	3/8/2026	5,214	5,340	9,040	100	10	10,213	498,740	279	107
55	3/9/2026	5,493	6,127	9,186	100	10	10,147	499,460	274	112
56	3/9/2026	6,348	5,600	8,598	100	2	10,262	502,760	272	114
57	3/9/2026	5,454	5,979	8,924	100	10	10,253	503,080	265	112
58	3/10/2026	5,571	4,860	9,149	100	10	10,180	498,220	260	113
59	3/10/2026	6,109	6,542	8,820	100	2	10,284	502,520	258	114
60	3/11/2026	5,158	6,708	9,069	100	10	10,392	501,540	251	114
61	3/11/2026	6,065	5,110	8,784	100	2	10,329	503,240	249	114
62	3/11/2026	6,062	4,026	8,907	100	10	10,194	505,200	242	112
63	3/12/2026	5,557	4,360	8,752	100	10	10,240	501,860	238	113
64	3/12/2026	5,262	7,234	9,047	99	2	10,940	502,640	233	121
65	3/12/2026	5,741	6,218	8,817	100	10	10,135	501,050	229	112
66	3/13/2026	6,046	6,314	9,144	100	10	10,083	498,860	224	111
67	3/13/2026	5,721	7,129	8,466	100	2	10,355	505,200	222	113
68	3/13/2026	5,168	7,304	8,847	100	2	10,187	503,640	218	112
69	3/13/2026	5,652	5,208	8,193	100	10	10,033	499,800	211	109
70	3/13/2026	5,641	6,708	8,354	100	10	10,125	506,860	206	110
71	3/14/2026	5,828	6,543	8,742	100	10	10,044	503,100	218	110
72	3/14/2026	5,787	5,762	8,336	100	2	9,819	499,860	217	107
73	3/14/2026	5,848	6,294	8,562	100	2	10,297	505,620	195	113
74	3/14/2026	5,490	8,018	9,314	100	2	10,200	504,580	187	113

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Upton 5H-A Perforation Report				
Stage Number	Report Date	Total Shots	Cluster 1 Top TD	Cluster 5 Bottom TD
1	2/16/2026			23,309
2	2/16/2026	40	23,265	23,104
3	2/17/2026	40	23,061	22,900
4	2/18/2026	40	22,858	22,697
5	2/18/2026	40	22,654	22,494
6	2/18/2026	40	22,451	22,290
7	2/19/2026	40	22,247	22,087
8	2/19/2026	40	22,044	21,883
9	2/20/2026	40	21,841	21,680
10	2/20/2026	40	21,637	21,477
11	2/21/2026	40	21,434	21,273
12	2/21/2026	40	21,230	21,070
13	2/21/2026	40	21,027	20,866
14	2/22/2026	40	20,824	20,663
15	2/22/2026	40	20,620	20,459
16	2/22/2026	40	20,417	20,256
17	2/23/2026	40	20,213	20,053
18	2/23/2026	40	20,010	19,849
19	2/24/2026	40	19,807	19,646
20	2/24/2026	40	19,603	19,442
21	2/24/2026	40	19,400	19,239
22	2/25/2026	40	19,196	19,036
23	2/25/2026	40	18,993	18,832
24	2/25/2026	40	18,789	18,629
25	2/26/2026	40	18,586	18,425
26	2/26/2026	40	18,383	18,222
27	2/27/2026	40	18,179	18,019
28	2/27/2026	40	17,976	17,815
29	2/27/2026	40	17,772	17,612
30	2/28/2026	40	17,569	17,408
31	2/28/2026	40	17,366	17,205
32	2/28/2026	40	17,162	17,001
33	3/1/2026	40	16,959	16,798
34	3/1/2026	40	16,755	16,595
35	3/1/2026	40	16,552	16,391
36	3/2/2026	40	16,349	16,188
37	3/2/2026	40	16,145	15,984
38	3/2/2026	40	15,942	15,781
39	3/3/2026	40	15,738	15,578
40	3/3/2026	40	15,535	15,374
41	3/4/2026	40	15,332	15,171
42	3/4/2026	40	15,128	14,967

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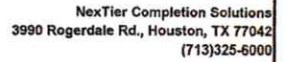
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43	3/4/2026	40	14,925	14,764
44	3/5/2026	40	14,721	14,561
45	3/5/2026	40	14,518	14,357
46	3/6/2026	40	14,314	14,154
47	3/6/2026	40	14,111	13,950
48	3/6/2026	40	13,908	13,747
49	3/7/2026	40	13,704	13,544
50	3/7/2026	40	13,501	13,340
51	3/7/2026	40	13,297	13,137
52	3/8/2026	40	13,094	12,933
53	3/8/2026	40	12,891	12,730
54	3/8/2026	40	12,687	12,526
55	3/9/2026	40	12,484	12,323
56	3/9/2026	40	12,280	12,120
57	3/9/2026	40	12,077	11,916
58	3/10/2026	40	11,874	11,713
59	3/10/2026	40	11,670	11,509
60	3/11/2026	40	11,467	11,306
61	3/11/2026	40	11,263	11,103
62	3/11/2026	40	11,060	10,899
63	3/12/2026	40	10,857	10,696
64	3/12/2026	40	10,653	10,492
65	3/12/2026	40	10,450	10,289
66	3/13/2026	40	10,246	10,086
67	3/13/2026	40	10,043	9,882
68	3/13/2026	40	9,839	9,679
69	3/13/2026	40	9,636	9,475
70	3/13/2026	40	9,433	9,272
71	3/14/2026	40	9,229	9,068
72	3/14/2026	40	9,026	8,865
73	3/14/2026	40	8,822	8,662
74	3/14/2026	40	8,619	8,458

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Cement Job Log

NEXTIERNextTier Completion Solutions
3590 Rogerdale Rd., Houston, TX 77042
(713)325-6000

Customer: NORTHEAST NATURAL ENERGY LLC		Date: 16-Nov-25		Serv. Supervisor: Adam Pavelchick	
Cust. Rep.: JOSH		Ticket #: BPA-2511-0088		Serv. Center: Black Lick - 1571	
Well Name: Upton 5H-A		API Well #: 47-049-02598		County: Marion State: WV	
Well Type:		Rig: PATTERSON 671		Type of Job: CM-KICKOFF PLUG	

Plugs		Casing Hardware		Physical Slurry Properties					
RIG SUPPLIED	SALES OF CEMENT	YIELD (cu/disk)	EXCESS	FLUID DENSITY (lb/gal)	MIX WATER (gallons)	FLUID VOLUME (bbls)	FLUID VOLUME (cuft)	MIX WATER (bbls)	
13.5 lb/gal PureScrub Spacer - Pump 60 bolts balanced ahead and behind 8000' to 7250' Plug 1	245	13.5		13.5	26.58	180.00	-		
14.4 lb/gal Filler Cement - 7250' to 6500' Plug 2	245	14.4		14.4	5.95	55.93	319.65	35	
14.4 lb/gal Filler Cement - 6500' to 5750' Plug 3	245	14.4		14.4	5.95	55.93	319.65	35	
15.5 lb/gal PureScrub Spacer - balanced ahead and behind the KOP	335	15.5		15.5	28.64	60.00	-		
17.5 lb/gal KOP Cement - 5750' to 5000' Plug 4	335	17.5		17.5	3.41	56.41	316.76	27	

OPEN HOLE DATA		TUBULAR DATA	
8.75 in. O.H. 2,380 to 8,000 ft	5.5 in. 17# (0 to 001 ft)	SIZE WEIGHT	DEPTH (ft)
Ambient Temp. Bulk Temp. Slurry 1 Temp. Slurry 2 Temp. Slurry 3 Temp. Slurry 4 Temp.	5.5 in. 17# (0 to 001 ft)	5.5 21.9#	8001
35.0 °F 35.0 °F 51.0 °F 51.0 °F 51.0 °F 50.0 °F			

PREVIOUS CASING DATA		PERFORATED INTERVAL DATA		CASING EQUIPMENT DEPTHS	
TOP	BOTTOM	BTM	BPF	SHOE	STAGE

WELL FLUID		DISPLACEMENT FLUID	
TYPE	DENSITY	TYPE	DENSITY
OBM	12.1 ppg	OBM	12.1 ppg
Bumped Plug	Final Differential (psi)	PSI Left on Casing	Top of Cement (ft)

PERFORATED INTERVAL DATA		CASING EQUIPMENT DEPTHS	
TOP	BOTTOM	BTM	BPF

WELL FLUID		DISPLACEMENT FLUID	
TYPE	DENSITY	TYPE	DENSITY
OBM	12.1 ppg	OBM	12.1 ppg
Bumped Plug	Final Differential (psi)	PSI Left on Casing	Top of Cement (ft)

PERFORATED INTERVAL DATA		CASING EQUIPMENT DEPTHS	
TOP	BOTTOM	BTM	BPF

WELL FLUID		DISPLACEMENT FLUID	
TYPE	DENSITY	TYPE	DENSITY
OBM	12.1 ppg	OBM	12.1 ppg
Bumped Plug	Final Differential (psi)	PSI Left on Casing	Top of Cement (ft)

PERFORATED INTERVAL DATA		CASING EQUIPMENT DEPTHS	
TOP	BOTTOM	BTM	BPF

WELL FLUID		DISPLACEMENT FLUID	
TYPE	DENSITY	TYPE	DENSITY
OBM	12.1 ppg	OBM	12.1 ppg
Bumped Plug	Final Differential (psi)	PSI Left on Casing	Top of Cement (ft)

PERFORATED INTERVAL DATA		CASING EQUIPMENT DEPTHS	
TOP	BOTTOM	BTM	BPF

WELL FLUID		DISPLACEMENT FLUID	
TYPE	DENSITY	TYPE	DENSITY
OBM	12.1 ppg	OBM	12.1 ppg
Bumped Plug	Final Differential (psi)	PSI Left on Casing	Top of Cement (ft)

PERFORATED INTERVAL DATA		CASING EQUIPMENT DEPTHS	
TOP	BOTTOM	BTM	BPF

WELL FLUID		DISPLACEMENT FLUID	
TYPE	DENSITY	TYPE	DENSITY
OBM	12.1 ppg	OBM	12.1 ppg
Bumped Plug	Final Differential (psi)	PSI Left on Casing	Top of Cement (ft)

PERFORATED INTERVAL DATA		CASING EQUIPMENT DEPTHS	
TOP	BOTTOM	BTM	BPF

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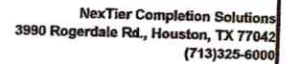
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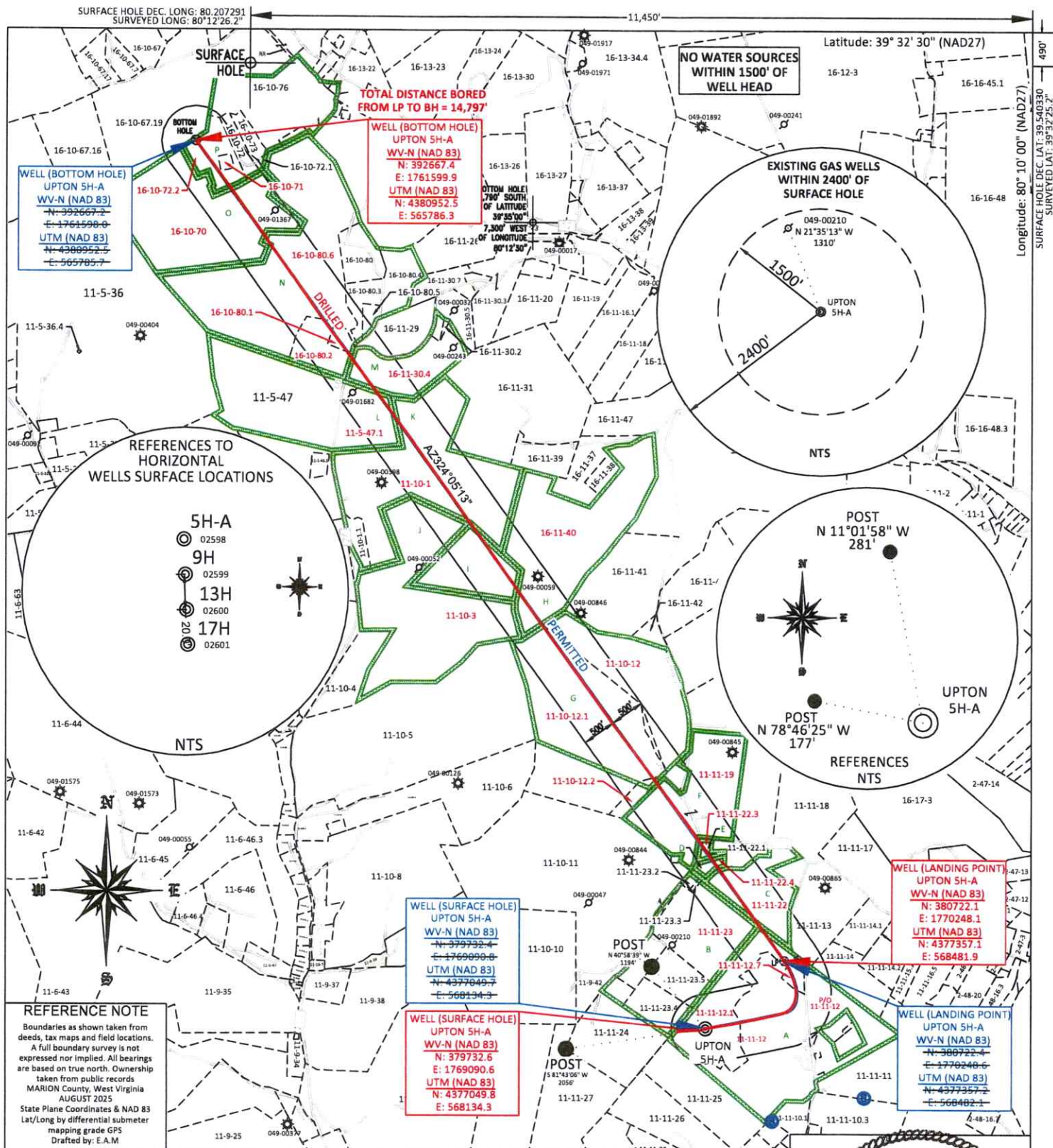
PERFORATED INTERVAL DATA		CASING EQUIPMENT DEPTHS	
TOP	BOTTOM	BTM	BPF

WELL FLUID	
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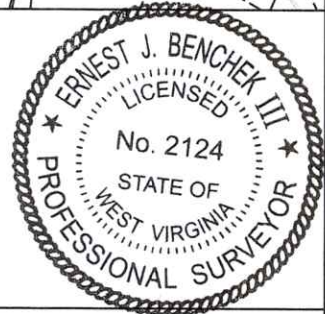
08/28/2026



FILE #: NEE14
DRAWING #: 4062
SCALE: PLAT: 1" = 2000'
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: BUFFALO CREEK

COUNTY/DISTRICT: MARION / LINCOLN

SURFACE OWNER: NORTHEAST NATURAL ENERGY LLC

OIL & GAS ROYALTY OWNER: Benjamin J. Johnson, et al.

LEASE NUMBERS:

DATE: MAY 29, 2026

OPERATOR'S WELL #: UPTON 5H-A (AS-DRILLED)

API WELL #: 47 49 02598
STATE COUNTY PERMIT

AS-BUILT ELEVATION: 1,372.5'

QUADRANGLE: GRANT TOWN

ACREAGE: 106.48 +/-

ACREAGE: 1003.80 +/-

08/28/2026

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

TARGET FORMATION: MARCELLUS

WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC

ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200

CITY: CHARLESTON STATE: WV ZIP CODE: 25301

DRILLED DEPTH: TVD: 7,761' TMD: 23,468' PILOT TVD: 8,005'

DESIGNATED AGENT: JOHN ADAMS

ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200

CITY: CHARLESTON STATE: WV ZIP CODE: 25301

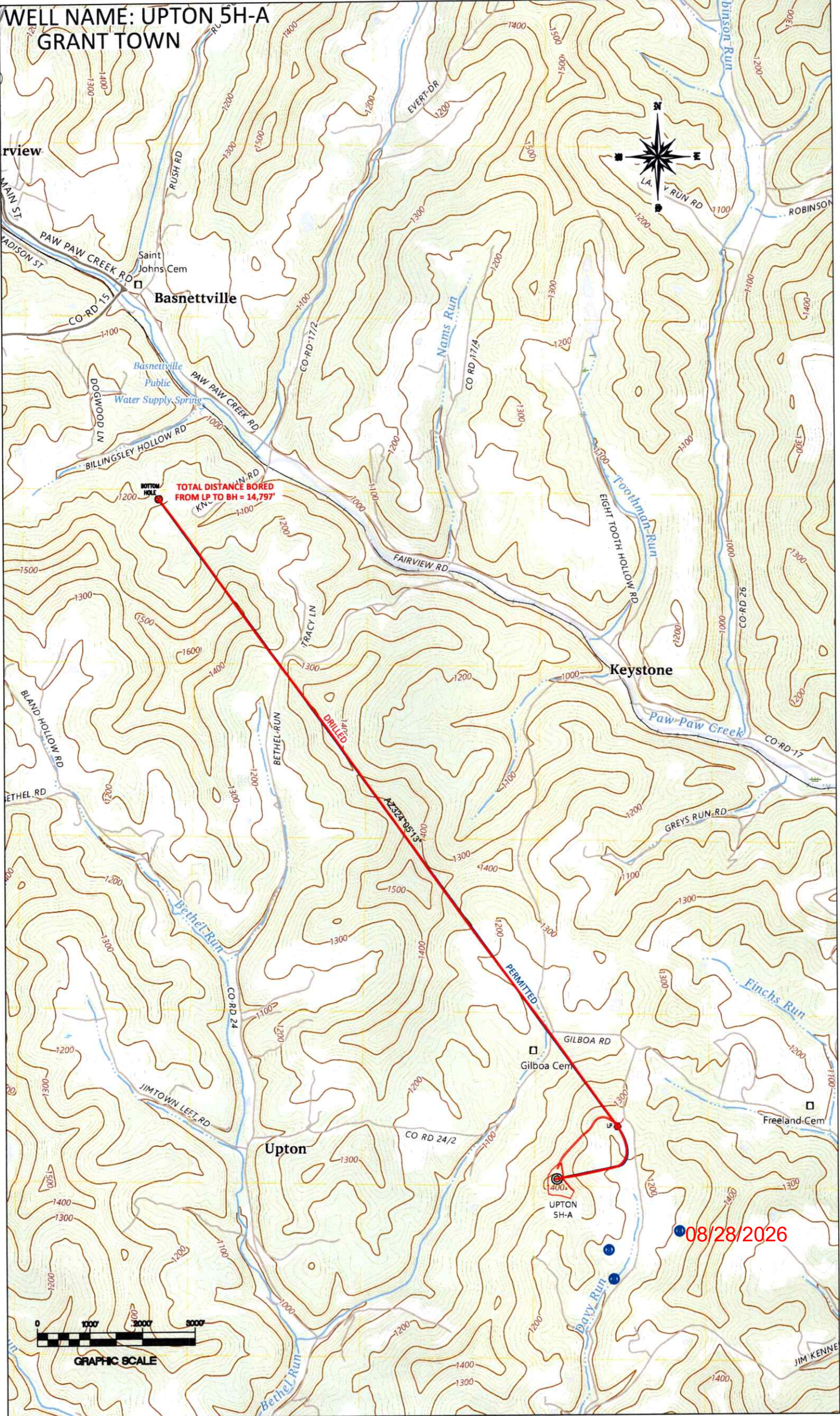
	PROPERTY OWNER INDEX
11-11-12.1	NORTHEAST NATURAL ENERGY LLC
11-11-12	JERRY N & BARBARA J BLAND
11-11-12.7	DOUGLAS P TOOTHMAN
11-11-23	LEWIS E KINCAID (LIFE 957-206)
11-11-22	DAVID SCHOEWE
11-11-22.4	JASON T TENNANT
11-11-22.3	DAVID B & DELAINA KUCISH
11-11-19	DAVID B & DELAINA S KUCISH
11-10-12.2	KENNETH C & LINDA A HEBERT
11-10-12.1	GEORGE Q & DANA D MILLER
11-10-12	DAVID B & DELAINA S KUCISH
11-10-3	DEVORAH & JAY PITZER GRUNOW
16-11-40	DAVID B & DELAINA S KUCISH
11-10-1	RICHARD L & JEANETT V GARRISON
11-5-47.1	RICHARD L & JEANETT V GARRISON
16-11-30.4	CARLA W FORD (TOD 1202-69)
16-10-80.2	RICKY D & LULU MCKINNEY
16-10-80.1	RICKY D & LULU MCKINNEY
16-10-80.6	DONNA GLASPELL
16-10-70	KEITH ARTHUR (1/2 INT) & KRYSTAL D THARP & KELLY
16-10-71	LEWIS G ARTHUR
16-10-72.2	KEITH A & DIANA K ARTHUR

	LEASE INDEX		
A	WV-049-106694-002	I	WV-049-106378-002
B	WV-049-106387-002	J	WV-049-106378-002
C	WV-049-106402-001	K	WV-049-6045539-006
D	WV-049-106748-001	L	WV-049-106666-001
E	WV-049-106720-001	M	WV-049-106691-001
F	WV-049-106598-001	N	WV-049-104533-000
G	WV-049-106768-002	O	WV-049-604510-005
H	WV-049-106599-001	P	WV-049-106352-002

08/28/2026

FILE #: NEE14	DATE: MAY 29, 2026
DRAWING #: 4062	OPERATOR'S WELL #: UPTON 5H-A
SCALE: N/A	API WELL #: 47 49 02598 STATE COUNTY PERMIT

WELL NAME: UPTON 5H-A
GRANT TOWN



Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	02/16/2026
Job End Date:	03/14/2026
State:	West Virginia
County:	Marion
API Number:	47-049-02598-00-00
Operator Name:	Northeast Natural Energy LLC
Well Name and Number:	Upton 5HA
Latitude:	39.540413
Longitude:	-80.207092
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7908
Total Base Water Volume (gal)*:	31210290
Total Base Non Water Volume:	0



Water Source	Percent
Other, > 1000TDS	100.00%

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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
Water	Operator	Carrier/Base Fluid					
			Water	7732-18-5	100.00000	87.57881	None
Sand (100 Mesh Proppant)	Operator	Proppant					
			Crystalline Silica (quartz)	14808-60-7	100.00000	11.07403	None
Sand (40/70 White Proppant)	Operator	Proppant					
			Crystalline Silica (quartz)	14808-60-7	100.00000	1.23045	None
StimSTREAM FR 9800	Chemstream	Friction Reducer					
			Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate copolymer	69418-26-4	40.00000	0.08016	None
			Alkanes, C12-26-branched and linear	90622-53-0	40.00000	0.01688	None
			Water	7732-18-5	15.00000	0.00633	None

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			Ethoxylated Alcohols (C12-16)	68551-12-2	5.00000	0.00211	None
Other Chemical(s)	Listed Above	See Trade Name(s) List					
			Alkanes, C12-26-branched and linear	90622-53-0	40.00000	0.01688	None
			Water	7732-18-5	90.00000	0.01186	None
			pyridinium, 1-(phenylmethyl)-, ethyl methyl derivs., chlorides	68909-18-2	25.00000	0.00646	None
			Water	7732-18-5	15.00000	0.00633	None
			Ethanoic Acid	Proprietary	15.00000	0.00388	None
			Ethoxylated Alcohols	Proprietary	15.00000	0.00388	None
			Not Listed	Proprietary	10.00000	0.00258	None
			Not Listed	Proprietary	10.00000	0.00258	None
			Ethoxylated Alcohols (C12-16)	68551-12-2	5.00000	0.00211	None
			2-ethylhexanol	104-76-7	5.00000	0.00129	None
			Ethoxylated Nonylphenols	127087-87-0	5.00000	0.00129	None
			AA/Maleic Anhydride Copolymer	9003-04-7	10.00000	0.00107	None
			Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	3.00000	0.00075	None
			Ammonium chloride	12125-02-9	2.00000	0.00050	None
			Quaternary Ammonium Compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides	68424-85-1	3.00000	0.00040	None
			Didecyldimethylammonium Chloride	7173-51-5	3.00000	0.00040	None
			Amides, tall-oil fatty, N, N-bis (hydroxyethyl)	68155-20-4	1.50000	0.00037	None
EZ-A 431	Obsidian	Acid					
			Methanol	67-56-1	25.00000	0.00646	None
			pyridinium, 1-(phenylmethyl)-, ethyl methyl derivs., chlorides	68909-18-2	25.00000	0.00646	None
			Ethanoic Acid	Proprietary	15.00000	0.00388	None
			Ethoxylated Alcohols	Proprietary	15.00000	0.00388	None
			Not Listed	Proprietary	10.00000	0.00258	None
			Not Listed	Proprietary	10.00000	0.00258	None
			2-ethylhexanol	104-76-7	5.00000	0.00129	None
			Ethoxylated Nonylphenols	127087-87-0	5.00000	0.00129	None
Clearal 268A	Chemstream	Biocide					

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			Water	7732-18-5	90.00000	0.01186	None
			Glutaraldehyde	111-30-8	20.00000	0.00264	None
			Quaternary Ammonium Compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides	68424-85-1	3.00000	0.00040	None
			Didecyltrimethylammonium Chloride	7173-51-5	3.00000	0.00040	None
VeriSlick X40	Veritas	Friction Reducer					
			Isoalkanes	64742-47-8	30.00000	0.00745	None
			Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	3.00000	0.00075	None
			Ammonium chloride	12125-02-9	2.00000	0.00050	None
			Amides, tall-oil fatty, N, N-bis (hydroxyethyl)	68155-20-4	1.50000	0.00037	None
StimSTREAM SC 810	Chemstream	Scale Control					
			AA/Maleic Anhydride Co-polymer	9003-04-7	10.00000	0.00107	None
			AA/ATBS Co-polymer	9003-05-8	10.00000	0.00107	None

Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS

* 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)

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June 26, 2026

WV Department of Environmental Protection
Office of Oil and Gas Management
601 57th Street, SE
Charleston, WV 25304-2345

RE: WR-35 Forms for:

API #'s 47-049-02598, 47-049-02599, 47-049-02600, 47-049-02601
Lincoln District, Marion County, West Virginia

To Whom It May Concern:

Please find enclosed Northeast Natural Energy LLC's Well Operator's Report of Well Work Forms (WR-35) for the Upton 5H-A well (API # 47-049-02598), Upton 9H well (API #47-049-02599), Upton 13H well (API #47-049-02600), Upton 17H well (API #47-049-02601).

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

Sincerely,

A handwritten signature in blue ink, appearing to read 'Hollie M. Medley', with a stylized flourish at the end.

Hollie M. Medley
Regulatory Manager