

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 - 02601 County Marion District Lincoln  
Quad Grant Town Pad Name Upton Field/Pool Name \_\_\_\_\_  
Farm name Northeast Natural Energy LLC Well Number 17H  
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 4377031.4 Easting 568135.3  
Landing Point of Curve Northing 4377909.2 Easting 569215.9  
Bottom Hole Northing 4382228.5 Easting 565969.3

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 10/30/25 Date drilling ceased 12/18/25  
Date completion activities began 2/9/26 Date completion activities ceased 3/12/26  
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 by:

Reviewed 08/28/2026  
Approved 8-13-26

WR-35  
Rev. 8/23/13

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API 47- 049 - 02601 Farm name Northeast Natural Energy LLC Well number 17H

| CASING STRINGS            | Hole Size | Casing Size | Depth   | New or Used | Grade wt/ft | Basket Depth(s) | Did cement circulate (Y/ N)<br>* Provide details below* |
|---------------------------|-----------|-------------|---------|-------------|-------------|-----------------|---------------------------------------------------------|
| Conductor                 | 32"       | 24"         | 100'    | New         | N/A         | N/A             | Y CTS                                                   |
| Surface                   | 17.5"     | 13.375"     | 841'    | New         | J 55/54.5   | 472.8           | Y CTS 5 bbls                                            |
| Coal                      |           |             |         |             |             |                 |                                                         |
| Intermediate 1            | 12.25"    | 9.625"      | 2,246'  | New         | J 55/36     | N/A             | Y CTS 25 bbls                                           |
| Intermediate 2            |           |             |         |             |             |                 |                                                         |
| Intermediate 3            |           |             |         |             |             |                 |                                                         |
| Production                | 8.5"      | 5.5"        | 27,738' | New         | HP P 110/20 | N/A             | TOC 2047'                                               |
| Tubing                    |           |             |         |             |             |                 |                                                         |
| Packer type and depth set |           |             |         |             |             |                 | RECEIVED<br>Office of Oil and Gas                       |

Comment Details JUL 08 2026

|                |                       |                 |                 |                              |                           | WV Department of<br>Environmental Protection |           |
|----------------|-----------------------|-----------------|-----------------|------------------------------|---------------------------|----------------------------------------------|-----------|
| 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               | 214             | 15.6            | 1.18                         | 252.52                    | CTS                                          | >72       |
| Surface        | Class A               | 1,315           | 15.6            | 1.20                         | 1,578                     | 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 | 5,050           | 14.5            | 1.19                         | 6,010                     | 2047'                                        | >72       |
| Tubing         |                       |                 |                 |                              |                           |                                              |           |

Drillers TD (ft) 27,800 Loggers TD (ft) 27,738  
Deepest formation penetrated Marcellus Plug back to (ft) \_\_\_\_\_  
Plug back procedure \_\_\_\_\_

Kick off depth (ft) 8,855'

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

08/28/2026

## DEPTHS

|           |        |     |         |    |
|-----------|--------|-----|---------|----|
| Marcellus | 7,807' | TVD | 27,800' | MD |
|-----------|--------|-----|---------|----|

Please insert additional pages as applicable.

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

SHUT-IN PRESSURE    Surface 1565 psi    Bottom Hole 4950 psi    DURATION OF TEST 24 hrs

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

[illegible][illegible]

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  Title Regulatory Manager Date 7-2-06

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

08/28/2026

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**Upton 17H**  
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            | 2/9/2026    | 5,582      | 4,789                    | 10,156                      | 92                      | 429               | 12,619                   | 301,140                     | 723                 | 308             |
| 2            | 2/9/2026    | 4,407      | 5,440                    | 10,194                      | 81                      | 118               | 13,196                   | 472,000                     | 713                 | 180             |
| 3            | 2/9/2026    | 5,726      | 7,203                    | 10,360                      | 85                      | 429               | 10,777                   | 500,320                     | 613                 | 143             |
| 4            | 2/11/2026   | 5,988      | 6,667                    | 10,385                      | 86                      | 429               | 13,969                   | 504,720                     | 600                 | 171             |
| 5            | 2/11/2026   | 5,806      | 5,687                    | 10,152                      | 91                      | 16                | 10,770                   | 502,660                     | 600                 | 138             |
| 6            | 2/11/2026   | 4,174      | 6,828                    | 10,424                      | 92                      | 30                | 10,728                   | 501,620                     | 663                 | 135             |
| 7            | 2/11/2026   | 5,859      | 7,209                    | 10,484                      | 92                      | 57                | 10,701                   | 497,380                     | 629                 | 136             |
| 8            | 2/11/2026   | 5,502      | 6,234                    | 10,290                      | 92                      | 38                | 10,644                   | 498,020                     | 629                 | 133             |
| 9            | 2/11/2026   | 5,901      | 6,694                    | 10,204                      | 91                      | 37                | 10,337                   | 506,240                     | 615                 | 130             |
| 10           | 2/12/2026   | 6,227      | 6,813                    | 10,411                      | 94                      | 71                | 10,718                   | 499,460                     | 615                 | 140             |
| 11           | 2/12/2026   | 6,470      | 5,646                    | 10,528                      | 96                      | 42                | 10,724                   | 500,960                     | 579                 | 131             |
| 12           | 2/12/2026   | 6,651      | 5,968                    | 10,524                      | 98                      | 78                | 10,643                   | 498,540                     | 569                 | 128             |
| 13           | 2/12/2026   | 5,141      | 5,968                    | 10,319                      | 93                      | 72                | 10,654                   | 502,880                     | 566                 | 134             |
| 14           | 2/12/2026   | 5,754      | 7,262                    | 10,356                      | 90                      | 63                | 10,648                   | 500,380                     | 594                 | 134             |
| 15           | 2/13/2026   | 6,041      | 6,171                    | 10,224                      | 90                      | 47                | 10,611                   | 504,920                     | 595                 | 133             |
| 16           | 2/13/2026   | 6,381      | 6,608                    | 10,339                      | 92                      | 22                | 10,530                   | 500,160                     | 589                 | 129             |
| 17           | 2/13/2026   | 6,070      | 6,620                    | 10,489                      | 97                      | 81                | 10,559                   | 499,740                     | 546                 | 128             |
| 18           | 2/13/2026   | 6,241      | 6,329                    | 10,498                      | 95                      | 80                | 10,561                   | 500,208                     | 598                 | 133             |
| 19           | 2/13/2026   | 6,076      | 6,188                    | 10,577                      | 94                      | 9                 | 10,488                   | 499,540                     | 580                 | 125             |
| 20           | 2/14/2026   | 5,878      | 6,585                    | 10,421                      | 93                      | 6                 | 10,546                   | 501,860                     | 586                 | 128             |
| 21           | 2/14/2026   | 6,071      | 7,220                    | 10,504                      | 95                      | 78                | 10,578                   | 494,500                     | 528                 | 130             |
| 22           | 2/14/2026   | 5,918      | 7,376                    | 10,487                      | 89                      | 44                | 10,493                   | 497,000                     | 565                 | 128             |
| 23           | 2/15/2026   | 5,894      | 5,987                    | 10,450                      | 96                      | 8                 | 10,495                   | 500,600                     | 534                 | 124             |
| 24           | 2/15/2026   | 5,143      | 6,785                    | 10,539                      | 99                      | 10                | 10,603                   | 503,080                     | 512                 | 121             |
| 25           | 2/15/2026   | 5,510      | 5,430                    | 10,462                      | 98                      | 3                 | 10,533                   | 503,420                     | 505                 | 123             |
| 26           | 2/15/2026   | 5,427      | 6,791                    | 10,469                      | 98                      | 3                 | 10,406                   | 502,620                     | 545                 | 122             |
| 27           | 2/16/2026   | 5,764      | 6,888                    | 10,391                      | 97                      | 10                | 10,662                   | 504,620                     | 496                 | 126             |
| 28           | 2/16/2026   | 5,954      | 6,511                    | 10,382                      | 94                      | 10                | 10,605                   | 499,400                     | 492                 | 130             |
| 29           | 2/17/2026   | 5,634      | 6,886                    | 10,622                      | 95                      | 5                 | 10,350                   | 500,440                     | 509                 | 123             |
| 30           | 2/18/2026   | 5,650      | 7,422                    | 10,419                      | 100                     | 10                | 10,534                   | 500,220                     | 483                 | 119             |
| 31           | 2/18/2026   | 5,541      | 7,127                    | 10,389                      | 98                      | 10                | 10,569                   | 503,500                     | 478                 | 122             |
| 32           | 2/18/2026   | 6,639      | 7,126                    | 10,472                      | 100                     | 5                 | 10,459                   | 504,720                     | 699                 | 118             |
| 33           | 2/19/2026   | 6,027      | 7,497                    | 10,237                      | 97                      | 10                | 12,099                   | 508,720                     | 469                 | 182             |
| 34           | 2/19/2026   | 6,051      | 7,226                    | 10,426                      | 100                     | 5                 | 10,677                   | 522,970                     | 465                 | 123             |
| 35           | 2/20/2026   | 5,809      | 7,625                    | 10,437                      | 99                      | 10                | 10,484                   | 496,800                     | 460                 | 121             |
| 36           | 2/20/2026   | 5,470      | 5,810                    | 10,091                      | 100                     | 5                 | 10,508                   | 500,920                     | 467                 | 119             |
| 37           | 2/21/2026   | 5,635      | 6,693                    | 10,400                      | 99                      | 10                | 11,073                   | 504,620                     | 451                 | 130             |
| 38           | 2/21/2026   | 5,583      | 7,697                    | 10,461                      | 99                      | 10                | 10,658                   | 502,280                     | 447                 | 120             |
| 39           | 2/21/2026   | 5,486      | 7,607                    | 10,355                      | 100                     | 5                 | 10,478                   | 500,368                     | 440                 | 118             |
| 40           | 2/22/2026   | 6,497      | 6,742                    | 10,182                      | 100                     | 10                | 10,723                   | 499,200                     | 438                 | 119             |
| 41           | 2/22/2026   | 5,705      | 7,109                    | 9,981                       | 100                     | 10                | 10,398                   | 498,900                     | 433                 | 116             |
| 42           | 2/23/2026   | 5,669      | 7,357                    | 10,306                      | 100                     | 5                 | 10,465                   | 504,660                     | 429                 | 117             |
| 43           | 2/23/2026   | 5,979      | 7,946                    | 10,121                      | 100                     | 10                | 10,487                   | 499,020                     | 424                 | 118             |
| 44           | 2/23/2026   | 5,850      | 4,937                    | 10,005                      | 100                     | 5                 | 10,256                   | 497,720                     | 419                 | 114             |
| 45           | 2/24/2026   | 5,565      | 6,895                    | 10,202                      | 100                     | 10                | 10,266                   | 504,080                     | 415                 | 115             |

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|    |           |       |       |        |     |    |        |         |     |     |
|----|-----------|-------|-------|--------|-----|----|--------|---------|-----|-----|
| 46 | 2/24/2026 | 5,819 | 7,688 | 9,893  | 100 | 10 | 10,336 | 504,340 | 411 | 115 |
| 47 | 2/24/2026 | 5,860 | 5,304 | 9,892  | 100 | 5  | 10,105 | 500,180 | 403 | 115 |
| 48 | 2/25/2026 | 5,672 | 9,117 | 10,349 | 100 | 10 | 10,244 | 502,500 | 402 | 116 |
| 49 | 2/25/2026 | 5,770 | 7,945 | 9,965  | 100 | 10 | 10,249 | 500,240 | 397 | 115 |
| 50 | 2/26/2026 | 5,800 | 7,266 | 10,136 | 100 | 5  | 10,097 | 501,140 | 401 | 115 |
| 51 | 2/26/2026 | 6,801 | 6,653 | 9,929  | 100 | 10 | 10,293 | 505,360 | 388 | 115 |
| 52 | 2/26/2026 | 5,786 | 7,161 | 9,830  | 100 | 5  | 9,991  | 500,100 | 384 | 111 |
| 53 | 2/27/2026 | 6,090 | 6,489 | 9,872  | 100 | 5  | 10,077 | 502,660 | 381 | 112 |
| 54 | 2/27/2026 | 6,172 | 7,107 | 9,752  | 100 | 10 | 10,286 | 503,560 | 370 | 114 |
| 55 | 2/27/2026 | 5,682 | 6,705 | 10,162 | 100 | 5  | 10,159 | 501,260 | 368 | 113 |
| 56 | 2/28/2026 | 5,181 | 7,054 | 10,052 | 100 | 10 | 10,110 | 499,920 | 366 | 112 |
| 57 | 2/28/2026 | 5,504 | 7,195 | 9,988  | 100 | 10 | 10,158 | 502,300 | 361 | 113 |
| 58 | 3/1/2026  | 5,890 | 6,664 | 9,573  | 100 | 5  | 10,083 | 499,600 | 358 | 115 |
| 59 | 3/1/2026  | 5,013 | 7,068 | 9,671  | 100 | 10 | 10,023 | 495,920 | 352 | 112 |
| 60 | 3/1/2026  | 5,238 | 7,681 | 9,661  | 97  | 10 | 9,765  | 501,640 | 348 | 108 |
| 61 | 3/2/2026  | 5,850 | 6,818 | 9,706  | 100 | 5  | 9,654  | 500,460 | 343 | 109 |
| 62 | 3/2/2026  | 5,883 | 7,235 | 9,716  | 100 | 2  | 9,630  | 500,540 | 348 | 107 |
| 63 | 3/2/2026  | 5,579 | 7,066 | 9,554  | 100 | 10 | 9,676  | 500,340 | 334 | 106 |
| 64 | 3/3/2026  | 5,980 | 5,204 | 9,573  | 100 | 10 | 9,715  | 503,700 | 329 | 108 |
| 65 | 3/3/2026  | 5,154 | 6,941 | 9,708  | 100 | 2  | 9,860  | 504,660 | 325 | 109 |
| 66 | 3/3/2026  | 6,150 | 5,877 | 9,867  | 100 | 10 | 9,693  | 500,580 | 320 | 107 |
| 67 | 3/4/2026  | 5,428 | 6,950 | 9,693  | 100 | 2  | 9,717  | 501,280 | 320 | 107 |
| 68 | 3/4/2026  | 5,576 | 7,456 | 9,602  | 100 | 2  | 9,749  | 504,520 | 312 | 108 |
| 69 | 3/4/2026  | 5,640 | 7,100 | 9,798  | 100 | 10 | 9,699  | 502,480 | 307 | 108 |
| 70 | 3/5/2026  | 5,738 | 5,718 | 9,246  | 100 | 2  | 9,723  | 499,840 | 302 | 107 |
| 71 | 3/5/2026  | 5,342 | 6,863 | 9,120  | 100 | 10 | 9,772  | 505,100 | 298 | 108 |
| 72 | 3/6/2026  | 4,888 | 6,317 | 9,298  | 100 | 10 | 9,635  | 499,520 | 293 | 106 |
| 73 | 3/6/2026  | 5,105 | 5,117 | 9,206  | 100 | 2  | 9,719  | 502,040 | 301 | 108 |
| 74 | 3/6/2026  | 5,372 | 7,265 | 9,594  | 100 | 10 | 9,689  | 500,540 | 284 | 107 |
| 75 | 3/7/2026  | 4,916 | 6,278 | 9,158  | 100 | 10 | 9,667  | 501,840 | 280 | 106 |
| 76 | 3/7/2026  | 5,390 | 7,282 | 9,248  | 100 | 2  | 9,667  | 500,570 | 278 | 106 |
| 77 | 3/7/2026  | 5,329 | 7,134 | 9,185  | 100 | 10 | 9,698  | 500,380 | 271 | 108 |
| 78 | 3/8/2026  | 5,030 | 4,560 | 8,973  | 100 | 10 | 9,669  | 500,720 | 266 | 106 |
| 79 | 3/8/2026  | 5,260 | 7,159 | 9,382  | 100 | 2  | 9,263  | 452,780 | 562 | 105 |
| 80 | 3/8/2026  | 5,190 | 6,512 | 8,941  | 100 | 10 | 10,255 | 504,380 | 257 | 113 |
| 81 | 3/9/2026  | 5,350 | 6,425 | 8,760  | 100 | 10 | 10,268 | 504,400 | 253 | 113 |
| 82 | 3/9/2026  | 5,938 | 6,719 | 8,649  | 100 | 2  | 10,071 | 483,260 | 250 | 112 |
| 83 | 3/9/2026  | 5,551 | 3,988 | 9,055  | 100 | 10 | 10,137 | 502,260 | 244 | 111 |
| 84 | 3/10/2026 | 5,743 | 6,713 | 9,207  | 100 | 2  | 10,319 | 505,820 | 249 | 114 |
| 85 | 3/10/2026 | 5,084 | 7,559 | 9,049  | 100 | 10 | 9,747  | 501,460 | 235 | 109 |
| 86 | 3/11/2026 | 5,165 | 7,169 | 8,703  | 100 | 10 | 10,163 | 500,140 | 230 | 111 |
| 87 | 3/11/2026 | 5,707 | 7,180 | 8,567  | 100 | 2  | 10,210 | 502,580 | 233 | 111 |
| 88 | 3/11/2026 | 5,116 | 7,311 | 8,845  | 100 | 10 | 10,145 | 504,240 | 221 | 112 |
| 89 | 3/12/2026 | 5,538 | 7,601 | 8,525  | 100 | 2  | 10,193 | 500,600 | 233 | 112 |

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JUL 28 2026

WV Department of  
Environmental Protection

08/28/2026

| Upton 17H<br>Perforation Report |             |             |                  |                     |
|---------------------------------|-------------|-------------|------------------|---------------------|
| Stage Number                    | Report Date | Total Shots | Cluster 1 Top TD | Cluster 5 Bottom TD |
| 1                               | 2/9/2026    |             |                  | 27,627              |
| 2                               | 2/9/2026    | 40          | 27,583           | 27,422              |
| 3                               | 2/9/2026    | 40          | 27,379           | 27,219              |
| 4                               | 2/11/2026   | 40          | 27,176           | 27,016              |
| 5                               | 2/11/2026   | 40          | 26,973           | 26,812              |
| 6                               | 2/11/2026   | 40          | 26,770           | 26,609              |
| 7                               | 2/11/2026   | 40          | 26,566           | 26,406              |
| 8                               | 2/11/2026   | 40          | 26,363           | 26,203              |
| 9                               | 2/11/2026   | 40          | 26,160           | 25,999              |
| 10                              | 2/12/2026   | 40          | 25,957           | 25,796              |
| 11                              | 2/12/2026   | 40          | 25,753           | 25,593              |
| 12                              | 2/12/2026   | 40          | 25,550           | 25,390              |
| 13                              | 2/12/2026   | 40          | 25,347           | 25,186              |
| 14                              | 2/12/2026   | 40          | 25,144           | 24,983              |
| 15                              | 2/13/2026   | 40          | 24,941           | 24,780              |
| 16                              | 2/13/2026   | 40          | 24,737           | 24,577              |
| 17                              | 2/13/2026   | 40          | 24,534           | 24,374              |
| 18                              | 2/13/2026   | 40          | 24,331           | 24,170              |
| 19                              | 2/13/2026   | 40          | 24,128           | 23,967              |
| 20                              | 2/14/2026   | 40          | 23,924           | 23,764              |
| 21                              | 2/14/2026   | 40          | 23,721           | 23,561              |
| 22                              | 2/14/2026   | 40          | 23,518           | 23,357              |
| 23                              | 2/15/2026   | 40          | 23,315           | 23,154              |
| 24                              | 2/15/2026   | 40          | 23,111           | 22,951              |
| 25                              | 2/15/2026   | 40          | 22,908           | 22,748              |
| 26                              | 2/15/2026   | 40          | 22,705           | 22,544              |
| 27                              | 2/16/2026   | 40          | 22,502           | 22,341              |
| 28                              | 2/16/2026   | 40          | 22,299           | 22,138              |
| 29                              | 2/17/2026   | 40          | 22,095           | 21,935              |
| 30                              | 2/18/2026   | 40          | 21,892           | 21,732              |
| 31                              | 2/18/2026   | 40          | 21,689           | 21,528              |
| 32                              | 2/18/2026   | 40          | 21,486           | 21,325              |
| 33                              | 2/19/2026   | 40          | 21,282           | 21,122              |
| 34                              | 2/19/2026   | 40          | 21,079           | 20,919              |
| 35                              | 2/20/2026   | 40          | 20,876           | 20,715              |
| 36                              | 2/20/2026   | 40          | 20,673           | 20,512              |
| 37                              | 2/21/2026   | 40          | 20,470           | 20,309              |
| 38                              | 2/21/2026   | 40          | 20,266           | 20,106              |
| 39                              | 2/21/2026   | 40          | 20,063           | 19,902              |
| 40                              | 2/22/2026   | 40          | 19,860           | 19,699              |
| 41                              | 2/22/2026   | 40          | 19,657           | 19,496              |
| 42                              | 2/23/2026   | 40          | 19,453           | 19,293              |

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|    |           |    |        |        |
|----|-----------|----|--------|--------|
| 43 | 2/23/2026 | 40 | 19,250 | 19,090 |
| 44 | 2/23/2026 | 40 | 19,047 | 18,886 |
| 45 | 2/24/2026 | 40 | 18,844 | 18,683 |
| 46 | 2/24/2026 | 40 | 18,640 | 18,480 |
| 47 | 2/24/2026 | 40 | 18,437 | 18,277 |
| 48 | 2/25/2026 | 40 | 18,234 | 18,073 |
| 49 | 2/25/2026 | 40 | 18,031 | 17,870 |
| 50 | 2/26/2026 | 40 | 17,828 | 17,667 |
| 51 | 2/26/2026 | 40 | 17,624 | 17,464 |
| 52 | 2/26/2026 | 40 | 17,421 | 17,260 |
| 53 | 2/27/2026 | 40 | 17,218 | 17,057 |
| 54 | 2/27/2026 | 40 | 17,015 | 16,854 |
| 55 | 2/27/2026 | 40 | 16,811 | 16,651 |
| 56 | 2/28/2026 | 40 | 16,608 | 16,448 |
| 57 | 2/28/2026 | 40 | 16,405 | 16,244 |
| 58 | 3/1/2026  | 40 | 16,202 | 16,041 |
| 59 | 3/1/2026  | 40 | 15,998 | 15,838 |
| 60 | 3/1/2026  | 40 | 15,795 | 15,635 |
| 61 | 3/2/2026  | 40 | 15,592 | 15,431 |
| 62 | 3/2/2026  | 40 | 15,389 | 15,228 |
| 63 | 3/2/2026  | 40 | 15,186 | 15,025 |
| 64 | 3/3/2026  | 40 | 14,982 | 14,822 |
| 65 | 3/3/2026  | 40 | 14,779 | 14,618 |
| 66 | 3/3/2026  | 40 | 14,576 | 14,415 |
| 67 | 3/4/2026  | 40 | 14,373 | 14,212 |
| 68 | 3/4/2026  | 40 | 14,169 | 14,009 |
| 69 | 3/4/2026  | 40 | 13,966 | 13,806 |
| 70 | 3/5/2026  | 40 | 13,763 | 13,602 |
| 71 | 3/5/2026  | 40 | 13,560 | 13,399 |
| 72 | 3/6/2026  | 40 | 13,356 | 13,196 |
| 73 | 3/6/2026  | 40 | 13,153 | 12,993 |
| 74 | 3/6/2026  | 40 | 12,950 | 12,789 |
| 75 | 3/7/2026  | 40 | 12,747 | 12,586 |
| 76 | 3/7/2026  | 40 | 12,544 | 12,383 |
| 77 | 3/7/2026  | 40 | 12,340 | 12,180 |
| 78 | 3/8/2026  | 40 | 12,137 | 11,976 |
| 79 | 3/8/2026  | 40 | 11,934 | 11,773 |
| 80 | 3/8/2026  | 40 | 11,731 | 11,570 |
| 81 | 3/9/2026  | 40 | 11,527 | 11,367 |
| 82 | 3/9/2026  | 40 | 11,324 | 11,164 |
| 83 | 3/9/2026  | 40 | 11,121 | 10,960 |
| 84 | 3/10/2026 | 40 | 10,918 | 10,757 |
| 85 | 3/10/2026 | 40 | 10,714 | 10,554 |
| 86 | 3/11/2026 | 40 | 10,511 | 10,351 |
| 87 | 3/11/2026 | 40 | 10,308 | 10,147 |
| 88 | 3/11/2026 | 40 | 10,105 | 9,944  |
| 89 | 3/12/2026 | 40 | 9,902  | 9,741  |

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JUL 08 2026

WV Department of  
Environmental Protection

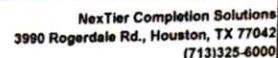
08/28/2026

08/28/2026

### Cement Job Log

[illegible]

08/28/2026

08/28/2026

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## Hydraulic Fracturing Fluid Product Component Information Disclosure

|                                 |                              |
|---------------------------------|------------------------------|
| Job Start Date:                 | 02/07/2026                   |
| Job End Date:                   | 03/12/2026                   |
| State:                          | West Virginia                |
| County:                         | Marion                       |
| API Number:                     | 47-049-02601-00-00           |
| Operator Name:                  | Northeast Natural Energy LLC |
| Well Name and Number:           | Upton 17H                    |
| Latitude:                       | 39.540248                    |
| Longitude:                      | -80.207111                   |
| Datum:                          | NAD27                        |
| Federal Well:                   | NO                           |
| Indian Well:                    | NO                           |
| True Vertical Depth:            | 7944                         |
| Total Base Water Volume (gal)*: | 38751762                     |
| Total Base Non Water Volume:    | 0                            |



| Water Source     | Percent |
|------------------|---------|
| Other, > 1000TDS | 100.00% |

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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 |
|-----------------------------|------------|--------------------|-----------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|----------|
| Water                       | Operator   | Carrier/Base Fluid |                                                                       |                                          |                                                            |                                                            |          |
|                             |            |                    | Water                                                                 | 7732-18-5                                | 100.00000                                                  | 87.82870                                                   | None     |
| Sand (100 Mesh Proppant)    | Operator   | Proppant           |                                                                       |                                          |                                                            |                                                            |          |
|                             |            |                    | Crystalline Silica (quartz)                                           | 14808-60-7                               | 100.00000                                                  | 10.84281                                                   | None     |
| Sand (40/70 White Proppant) | Operator   | Proppant           |                                                                       |                                          |                                                            |                                                            |          |
|                             |            |                    | Crystalline Silica (quartz)                                           | 14808-60-7                               | 100.00000                                                  | 1.20476                                                    | None     |
| StimSTREAM FR 9800          | Chemstream | Friction Reducer   |                                                                       |                                          |                                                            |                                                            |          |
|                             |            |                    | Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate copolymer | 69418-26-4                               | 40.00000                                                   | 0.09101                                                    | None     |
|                             |            |                    | Alkanes, C12-26-branched and linear                                   | 90622-53-0                               | 40.00000                                                   | 0.02773                                                    | None     |
|                             |            |                    | Water                                                                 | 7732-18-5                                | 15.00000                                                   | 0.01040                                                    | None     |

08/28/2026

|                   |                                                             |                        |                                                                        |             |          |         |      |
|-------------------|-------------------------------------------------------------|------------------------|------------------------------------------------------------------------|-------------|----------|---------|------|
|                   |                                                             |                        | Ethoxylated Alcohols (C12-16)                                          | 68551-12-2  | 5.00000  | 0.00347 | None |
| Other Chemical(s) | Listed Above                                                | See Trade Name(s) List |                                                                        |             |          |         |      |
|                   |                                                             |                        | Alkanes, C12-26-branched and linear                                    | 90622-53-0  | 40.00000 | 0.02773 | None |
|                   |                                                             |                        | Water                                                                  | 7732-18-5   | 90.00000 | 0.01220 | None |
|                   |                                                             |                        | Water                                                                  | 7732-18-5   | 15.00000 | 0.01040 | None |
|                   |                                                             |                        | pyridinium, 1-(phenylmethyl)-, ethyl methyl derivs., chlorides         | 68909-18-2  | 25.00000 | 0.00804 | None |
|                   |                                                             |                        | Ethanoic Acid                                                          | Proprietary | 15.00000 | 0.00483 | None |
|                   |                                                             |                        | Ethoxylated Alcohols                                                   | Proprietary | 15.00000 | 0.00483 | None |
|                   |                                                             |                        | Ethoxylated Alcohols (C12-16)                                          | 68551-12-2  | 5.00000  | 0.00347 | None |
|                   |                                                             |                        | Not Listed                                                             | Proprietary | 10.00000 | 0.00322 | None |
|                   |                                                             |                        | Not Listed                                                             | Proprietary | 10.00000 | 0.00322 | None |
|                   |                                                             |                        | 2-ethylhexanol                                                         | 104-76-7    | 5.00000  | 0.00161 | None |
|                   |                                                             |                        | Ethoxylated Nonylphenols                                               | 127087-87-0 | 5.00000  | 0.00161 | None |
|                   | RECEIVED<br>Office of Oil and Gas                           |                        | AA/Maleic Anhydride Copolymer                                          | 9003-04-7   | 10.00000 | 0.00087 | None |
|                   | JUL 08 2026<br>WV Department of<br>Environmental Protection |                        | Quaternary Ammonium Compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides | 68424-85-1  | 3.00000  | 0.00041 | None |
|                   |                                                             |                        | Didecyldimethylammonium Chloride                                       | 7173-51-5   | 3.00000  | 0.00041 | None |
| EZ-A 431          | Obsidian                                                    | Acid                   |                                                                        |             |          |         |      |
|                   |                                                             |                        | Methanol                                                               | 67-56-1     | 25.00000 | 0.00804 | None |
|                   |                                                             |                        | pyridinium, 1-(phenylmethyl)-, ethyl methyl derivs., chlorides         | 68909-18-2  | 25.00000 | 0.00804 | None |
|                   |                                                             |                        | Ethanoic Acid                                                          | Proprietary | 15.00000 | 0.00483 | None |
|                   |                                                             |                        | Ethoxylated Alcohols                                                   | Proprietary | 15.00000 | 0.00483 | None |
|                   |                                                             |                        | Not Listed                                                             | Proprietary | 10.00000 | 0.00322 | None |
|                   |                                                             |                        | Not Listed                                                             | Proprietary | 10.00000 | 0.00322 | None |
|                   |                                                             |                        | 2-ethylhexanol                                                         | 104-76-7    | 5.00000  | 0.00161 | None |
|                   |                                                             |                        | Ethoxylated Nonylphenols                                               | 127087-87-0 | 5.00000  | 0.00161 | None |
| Clearal 268A      | Chemstream                                                  | Biocide                |                                                                        |             |          |         |      |
|                   |                                                             |                        | Water                                                                  | 7732-18-5   | 90.00000 | 0.01220 | None |
|                   |                                                             |                        | Glutaraldehyde                                                         | 111-30-8    | 20.00000 | 0.00271 | None |
|                   |                                                             |                        | Quaternary Ammonium Compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides | 68424-85-1  | 3.00000  | 0.00041 | None |

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|                                                                                                                                                   |            |               |                                  |           |          |         |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------|----------------------------------|-----------|----------|---------|------|
|                                                                                                                                                   |            |               | Didecyldimethylammonium Chloride | 7173-51-5 | 3.00000  | 0.00041 | None |
| StimSTREAM SC 810                                                                                                                                 | Chemstream | Scale Control |                                  |           |          |         |      |
|                                                                                                                                                   |            |               | AA/Maleic Anhydride Co-polymer   | 9003-04-7 | 10.00000 | 0.00087 | None |
|                                                                                                                                                   |            |               | AA/ATBS Co-polymer               | 9003-05-8 | 10.00000 | 0.00087 | 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%

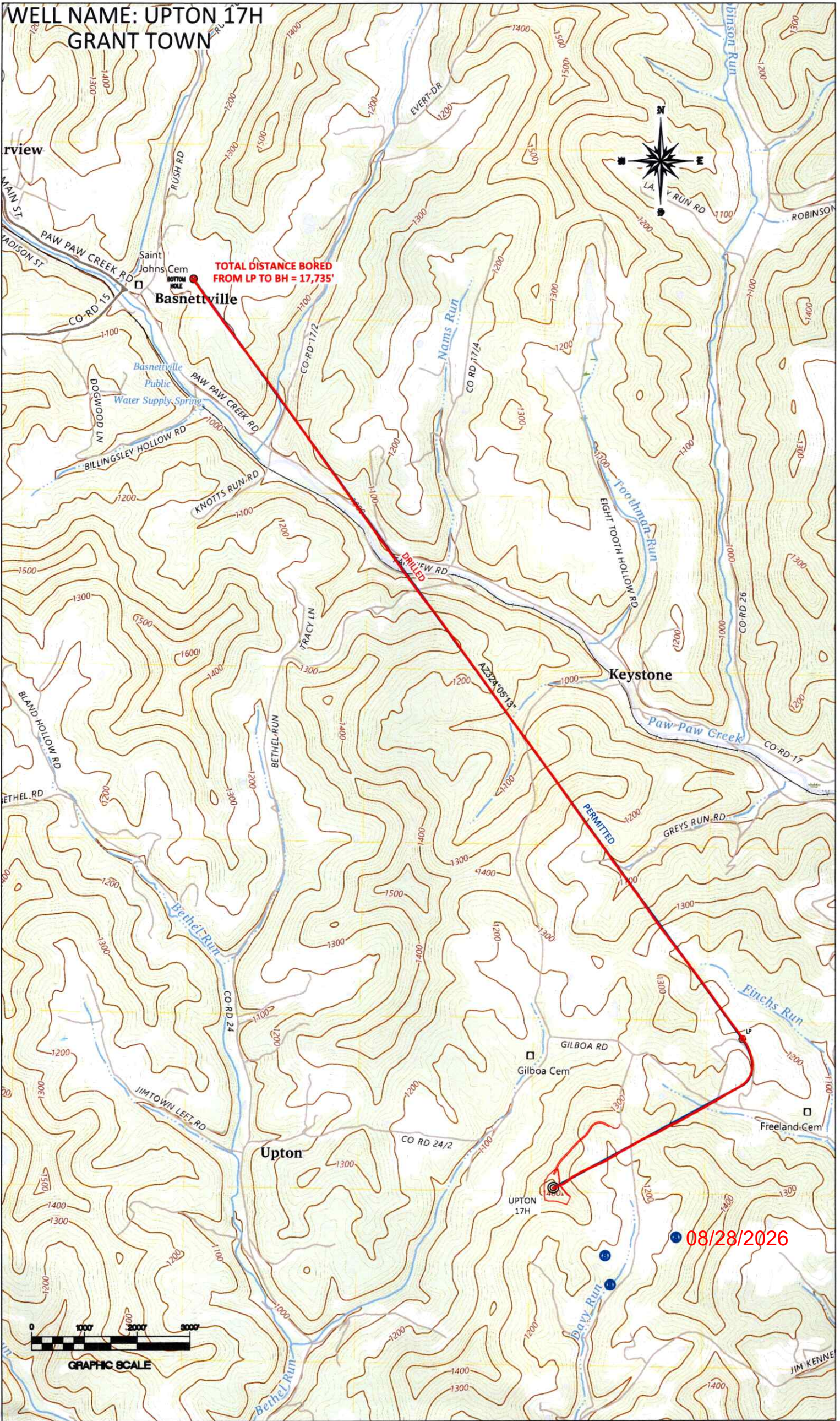
Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

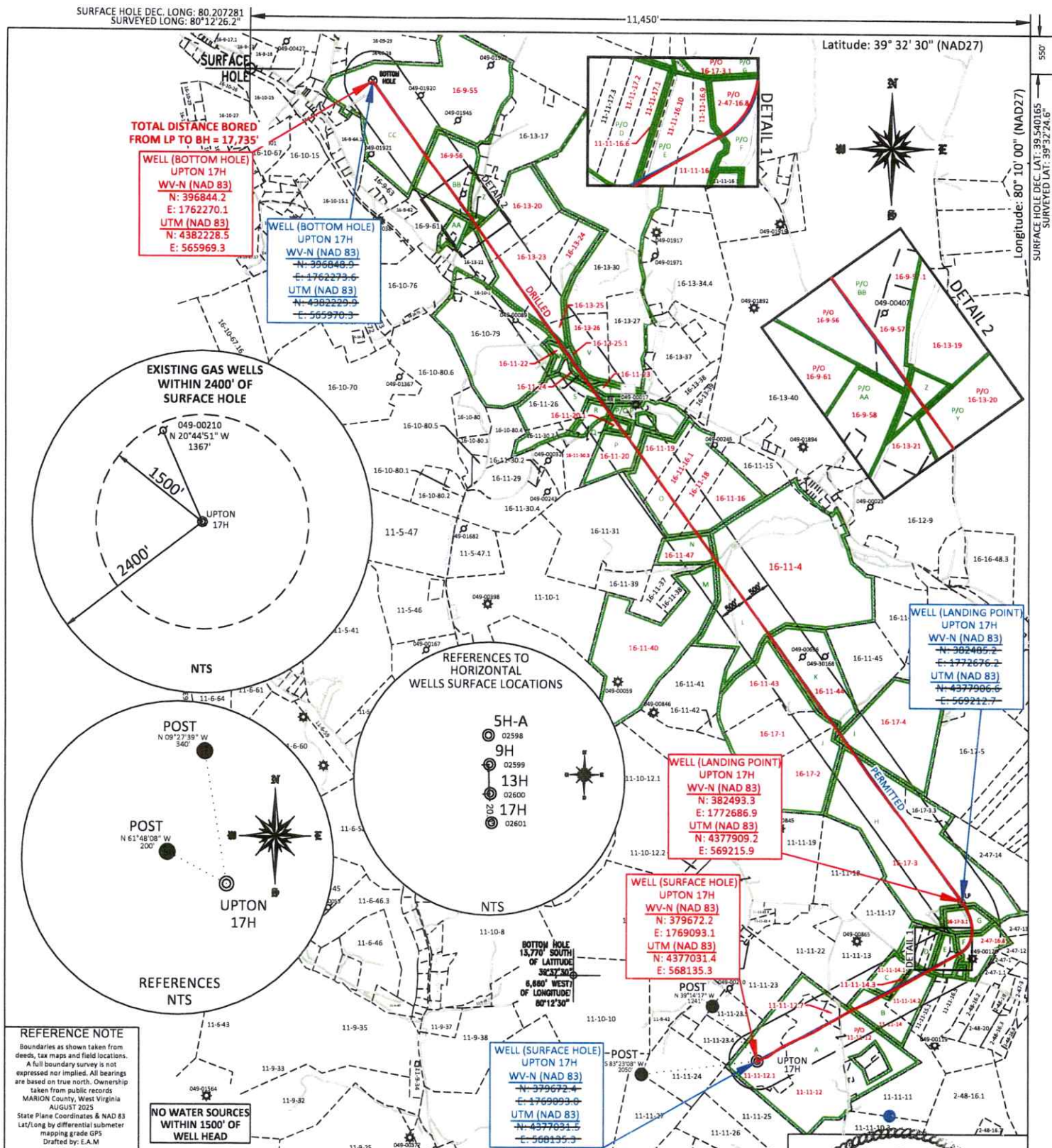
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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JUL 08 2026  
WV Department of  
Environmental Protection

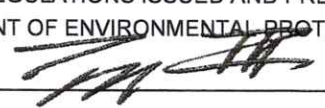
08/28/2026

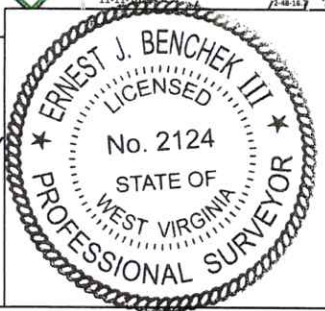
WELL NAME: UPTON 17H  
GRANT TOWN





FILE #: NEE14  
DRAWING #: 4065  
SCALE: PLAT: 1" = 2400'  
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:  
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  
DATE: MAY 29, 2026  
OPERATOR'S WELL #: UPTON 17H (AS-DRILLED)  
API WELL #: 47 49 02601  
STATE COUNTY PERMIT  
AS-BUILT ELEVATION: 1,372.5'  
QUADRANGLE: GRANT TOWN  
ACREAGE: 106.48  
ACREAGE: 1310.80 +/-  
08/28/2026  
DRILLED DEPTH: TVD: 7,807' TMD: 27,800'  
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                                 |
| 11-11-14    | DAVID L SCHOEWE                                    |
| 11-11-14.3  | DAVID L SCHOEWE                                    |
| 11-11-14.2  | HEATHER E & RYAN WARD                              |
| 11-11-14.1  | TRACY A COPPOLA                                    |
| 11-11-17.2  | BRANDON S & LISA M FLOWER                          |
| 11-11-17.1  | BRANDON S & LISA M FLOWER                          |
| 11-11-16.6  | JILL S & SHELLEY L POE CO TRS OF THE JUDITH L POE  |
| 11-11-16.10 | JILL S & SHELLEY L POE CO TRS OF THE JUDITH L POE  |
| 11-11-16    | DANIEL C & AGNES E POE (LIFE 1062-902)             |
| 11-11-16.9  | STEVEN D & SUSANNAH G POE                          |
| 2-47-16.8   | STEVEN D & SUSANNAH G POE                          |
| 16-17-3.1   | STEVEN D & SUSANNAH G POE                          |
| 16-17-3     | JUDITH L POE (LIFE 1232-733)                       |
| 16-17-4     | MARY JO MAHAFFEY (TOD 1226-491)                    |
| 16-17-2     | MARY JO MAHAFFEY (TOD 1226-491)                    |
| 16-17-1     | MARY JO MAHAFFEY (TOD 1226-491)                    |
| 16-11-44    | GEORGE Q & DANA D MILLER                           |
| 16-11-43    | MARY JO MAHAFFEY (TOD 1226-491)                    |
| 16-11-4     | WILLIAM K BOYLEN JR (DBA BOYLEN TIMBER COMPANY)    |
| 16-11-40    | DAVID B & DELAINA S KUCISH                         |
| 16-11-47    | WILLIAM K BOYLEN JR (DBA BOYLEN TIMBER COMPANY)    |
| 16-11-16    | WILLIAM K BOYLEN JR (DBA BOYLEN TIMBER COMPANY)    |
| 16-11-18    | WILLIAM K BOYLEN JR (DBA BOYLEN TIMBER COMPANY)    |
| 16-11-16.1  | WILLIAM K BOYLEN JR (DBA BOYLEN TIMBER COMPANY)    |
| 16-11-19    | WILLIAM K BOYLEN JR (DBA BOYLEN TIMBER COMPANY)    |
| 16-11-20    | THEODORE M OPRON (1196-540)                        |
| 16-11-20.1  | MICHAEL L & ALBERTA L MICK TENNANT (CONTR 936-816) |
| 16-11-30.3  | CARL H WITT JR & GREGORY G CARRUBA                 |
| 16-11-23    | MICHAEL & LINDA PERRY IDLEMAN                      |
| 16-11-24    | BLAINE I COOK OR RANDA L SWANN                     |
| 16-13-25.1  | ROBERT G & MARY E MASTERS (TOD 1290-1016)          |
| 16-11-22    | RICHARD D & AMY M WALLS                            |
| 16-13-26    | JOSEPH S & SHARON J TENNANT                        |
| 16-13-25    | ROBERT G & MARY E MASTERS (TOD 1290-1016)          |
| 16-13-24    | RICHARD F CURTIS JR                                |
| 16-13-23    | CHARLES W WILSON                                   |
| 16-13-20    | MATTHEW N NULL                                     |
| 16-13-19    | RONNIE L HENDERSON                                 |
| 16-9-58     | RONALD F & BONNIE L MORRIS                         |
| 16-9-57     | JIMMY G WEAVER                                     |
| 16-9-56     | JAMES D WHETSEL                                    |
| 16-9-55     | GARETT E MOCK &/ JEFFREY J & SANDRA J MOORE        |

|   | LEASE INDEX            |                           |
|---|------------------------|---------------------------|
| A | WV-049-106694-002      | P WV-049-106828-001       |
| B | WV-049-107016-001      | Q WV-049-106488-001       |
| C | WV-049-000212-001 – LA | R WV-049-106691-001       |
| D | WV-049-106804-005      | S WV-049-106685-006       |
| E | WV-049-106637-003      | T WV-049-106788-001       |
| F | WV-049-106637-003      | U WV-049-204329-001       |
| G | WV-049-107174-001      | V WV-049-106626-001       |
| H | WV-049-106953-002      | W WV-049-106702-001       |
| I | WV-049-106237-004      | X WV-049-204329-001       |
| J | WV-049-104627-000      | Y WV-049-106560-001       |
| K | WV-049-086250-001      | Z WV-049-106582-003       |
| L | WV-049-206811-001      | AA WV-049-106995-001      |
| M | WV-049-106599-001      | BB WV-049-106772-001      |
| N | WV-049-106808-001      | CC WV-049-000212-001 – LA |
| O | WV-049-086202-001      |                           |

08/28/2026

FILE #: NEE14

DRAWING #: 4065

SCALE: N/A

DATE: MAY 29, 2026

OPERATOR'S WELL #: UPTON 17H

API WELL #: 47 49 02601

STATE COUNTY PERMIT