

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

API 47-061-01964 County Monongalia District Battelle
Quad Wadestown Pad Name ERP Field/Pool Name _____
Farm name Phoenix Energy Resources LLC Well Number 17H
Operator (as registered with the OOG) Northeast Natural Energy LLC
Address 707 Virginia St. 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 4391805.5 Easting 562341.8
Landing Point of Curve Northing 4392390.7 Easting 563626.5
Bottom Hole Northing 4396274.5 Easting 560940.8

Elevation (ft) 1338 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-4 WATE (BARITE), M-4-X II MEDIUM, MEGADRIL P SYSTEM, MEGADRIL P SYSTEM RENTAL,

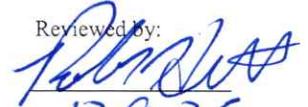
MEGAMUL, SAFE-CARB 250, VERSATHIN HF, VERSAWET, VG-PLUS, VINSEAL MEDIUM, WALNUT NUT PLUG MEDIUM, SOLTEX Department of Environmental Protection

Date permit issued 8/19/24 Date drilling commenced 4/12/25 Date drilling ceased 4/28/25
Date completion activities began 6/14/25 Date completion activities ceased 7/6/25
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 1220' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 2367' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 1220' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

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Reviewed by: 
12-9-25
03/13/2026

API 47-061 - 01964 Farm name Phoenix Energy Resources 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) * Provide details below* |
|---------------------------|-----------|-------------|---------|-------------|-------------|-----------------|---|
| Conductor | 30" | 24" | 100' | New | | | Y-8 bbls |
| Surface | 17 1/2" | 13 5/8" | 1339' | New | 54.5# | 198 | Y-52 bbls |
| Coal | | | | | | | |
| Intermediate 1 | 12.25" | 9.625" | 2657" | New | 36.0# | | Y-11 bbls |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | 8.5 | 5.5" | 25,558' | New | 20# | | N-EST TOC 2,169' |
| Tubing | | | | | | | |
| Packer type and depth set | | | | | | | |

Comment Details Conductor Cement via grout job - cement to surface

Casing depths based on KB elevation.

| 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 | 228 | 15.6 | 1.18 | 269 | 0 | >8 hrs |
| Surface | NCM-956 | 1255 | 15.6 | 1.14 | 1425.75 | 0 | 8 hrs |
| Coal | | | | | | | |
| Intermediate 1 | Class L NCM-956 | 935 | 15.6 | 1.12 | 187 | 0 | 8 hrs |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | NCM-956 | 4780 | 14.5 | 1.16 | 5538.92 | 2010 | >8 hrs |
| Tubing | | | | | | | |

Drillers TD (ft) 25,637' Loggers TD (ft) 25,558'

Deepest formation penetrated Marcellus Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) 8859'

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 third joint to surface
 Intermediate: Shoe track and every third 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 _____

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| ERP 17H | | | | |
|--------------------|-------------|-------------|------------------|---------------------|
| Perforation Report | | | | |
| Stage Number | Report Date | Total Shots | Cluster 1 Top TD | Cluster 5 Bottom TD |
| 1 | 6/14/2025 | | | 25,448 |
| 2 | 6/15/2025 | 40 | 25,404 | 25,247 |
| 3 | 6/15/2025 | 40 | 25,205 | 25,048 |
| 4 | 6/15/2025 | 40 | 25,006 | 24,848 |
| 5 | 6/16/2025 | 40 | 24,807 | 24,649 |
| 6 | 6/16/2025 | 40 | 24,608 | 24,450 |
| 7 | 6/16/2025 | 40 | 24,408 | 24,251 |
| 8 | 6/16/2025 | 40 | 24,209 | 24,052 |
| 9 | 6/17/2025 | 40 | 24,010 | 23,853 |
| 10 | 6/17/2025 | 40 | 23,811 | 23,654 |
| 11 | 6/17/2025 | 40 | 23,612 | 23,454 |
| 12 | 6/18/2025 | 40 | 23,413 | 23,255 |
| 13 | 6/18/2025 | 40 | 23,214 | 23,056 |
| 14 | 6/18/2025 | 40 | 23,014 | 22,857 |
| 15 | 6/19/2025 | 40 | 22,815 | 22,658 |
| 16 | 6/19/2025 | 40 | 22,616 | 22,459 |
| 17 | 6/19/2025 | 40 | 22,417 | 22,260 |
| 18 | 6/20/2025 | 40 | 22,218 | 22,061 |
| 19 | 6/20/2025 | 40 | 22,019 | 21,861 |
| 20 | 6/20/2025 | 40 | 21,820 | 21,662 |
| 21 | 6/20/2025 | 40 | 21,620 | 21,463 |
| 22 | 6/21/2025 | 40 | 21,421 | 21,264 |
| 23 | 6/21/2025 | 40 | 21,222 | 21,065 |
| 24 | 6/21/2025 | 40 | 21,023 | 20,866 |
| 25 | 6/22/2025 | 40 | 20,824 | 20,667 |
| 26 | 6/22/2025 | 40 | 20,625 | 20,467 |
| 27 | 6/22/2025 | 40 | 20,426 | 20,268 |
| 28 | 6/23/2025 | 40 | 20,226 | 20,069 |
| 29 | 6/23/2025 | 40 | 20,027 | 19,870 |
| 30 | 6/23/2025 | 40 | 19,828 | 19,671 |
| 31 | 6/23/2025 | 40 | 19,629 | 19,472 |
| 32 | 6/24/2025 | 40 | 19,430 | 19,273 |
| 33 | 6/24/2025 | 40 | 19,231 | 19,073 |
| 34 | 6/24/2025 | 40 | 19,032 | 18,874 |
| 35 | 6/24/2025 | 40 | 18,832 | 18,675 |
| 36 | 6/25/2025 | 40 | 18,633 | 18,476 |
| 37 | 6/25/2025 | 40 | 18,434 | 18,277 |
| 38 | 6/25/2025 | 40 | 18,235 | 18,078 |
| 39 | 6/26/2025 | 40 | 18,036 | 17,879 |
| 40 | 6/26/2025 | 40 | 17,837 | 17,679 |
| 41 | 6/26/2025 | 40 | 17,638 | 17,480 |
| 42 | 6/26/2025 | 40 | 17,438 | 17,281 |

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6 of 30

| | | | | |
|----|-----------|----|--------|--------|
| 43 | 6/27/2025 | 40 | 17,239 | 17,082 |
| 44 | 6/27/2025 | 40 | 17,040 | 16,883 |
| 45 | 6/28/2025 | 40 | 16,841 | 16,684 |
| 46 | 6/28/2025 | 40 | 16,642 | 16,485 |
| 47 | 6/28/2025 | 40 | 16,443 | 16,285 |
| 48 | 6/28/2025 | 40 | 16,244 | 16,086 |
| 49 | 6/29/2025 | 40 | 16,044 | 15,887 |
| 50 | 6/29/2025 | 40 | 15,845 | 15,688 |
| 51 | 6/29/2025 | 40 | 15,646 | 15,489 |
| 52 | 6/30/2025 | 40 | 15,447 | 15,290 |
| 53 | 6/30/2025 | 40 | 15,248 | 15,091 |
| 54 | 6/30/2025 | 40 | 15,049 | 14,891 |
| 55 | 6/30/2025 | 40 | 14,850 | 14,692 |
| 56 | 7/1/2025 | 40 | 14,651 | 14,493 |
| 57 | 7/1/2025 | 40 | 14,451 | 14,294 |
| 58 | 7/1/2025 | 40 | 14,252 | 14,095 |
| 59 | 7/1/2025 | 40 | 14,053 | 13,896 |
| 60 | 7/2/2025 | 40 | 13,854 | 13,697 |
| 61 | 7/2/2025 | 40 | 13,655 | 13,497 |
| 62 | 7/2/2025 | 40 | 13,456 | 13,298 |
| 63 | 7/2/2025 | 40 | 13,257 | 13,099 |
| 64 | 7/3/2025 | 40 | 13,057 | 12,900 |
| 65 | 7/3/2025 | 40 | 12,858 | 12,701 |
| 66 | 7/3/2025 | 40 | 12,659 | 12,502 |
| 67 | 7/4/2025 | 40 | 12,460 | 12,303 |
| 68 | 7/4/2025 | 40 | 12,261 | 12,104 |
| 69 | 7/4/2025 | 40 | 12,062 | 11,904 |
| 70 | 7/4/2025 | 40 | 11,863 | 11,705 |
| 71 | 7/5/2025 | 40 | 11,663 | 11,506 |
| 72 | 7/5/2025 | 40 | 11,464 | 11,307 |
| 73 | 7/5/2025 | 40 | 11,265 | 11,108 |
| 74 | 7/5/2025 | 40 | 11,066 | 10,909 |
| 75 | 7/6/2025 | 40 | 10,867 | 10,710 |
| 76 | 7/6/2025 | 40 | 10,668 | 10,510 |
| 77 | 7/6/2025 | 40 | 10,469 | 10,311 |
| 78 | 7/6/2025 | 40 | 10,269 | 10,112 |
| 79 | 7/6/2025 | 40 | 10,070 | 9,913 |

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ERP 17H
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 | 6/14/2025 | 6,020 | 7,785 | 9,018 | 68 | 426 | 7,667 | 305,660 | 562 |
| 2 | 6/15/2025 | 6,214 | 6,040 | 9,821 | 93 | 10 | 9,583 | 432,559 | 558 |
| 3 | 6/15/2025 | 6,307 | 7,078 | 9,944 | 93 | 10 | 11,099 | 503,920 | 554 |
| 4 | 6/15/2025 | 6,034 | 8,172 | 9,933 | 91 | 10 | 11,195 | 503,280 | 549 |
| 5 | 6/16/2025 | 6,321 | 7,018 | 9,702 | 84 | 10 | 10,287 | 500,860 | 545 |
| 6 | 6/16/2025 | 6,144 | 7,422 | 9,936 | 91 | 10 | 10,316 | 500,040 | 540 |
| 7 | 6/16/2025 | 5,956 | 7,372 | 9,918 | 89 | 10 | 10,262 | 502,040 | 536 |
| 8 | 6/16/2025 | 6,365 | 7,576 | 9,876 | 86 | 10 | 10,492 | 508,880 | 521 |
| 9 | 6/17/2025 | 6,200 | 7,589 | 9,911 | 86 | 10 | 10,325 | 500,880 | 527 |
| 10 | 6/17/2025 | 6,240 | 7,605 | 9,910 | 86 | 10 | 10,308 | 501,800 | 523 |
| 11 | 6/17/2025 | 6,481 | 7,354 | 9,938 | 87 | 10 | 10,461 | 505,480 | 518 |
| 12 | 6/18/2025 | 6,315 | 5,653 | 9,927 | 89 | 10 | 10,528 | 501,420 | 514 |
| 13 | 6/18/2025 | 6,105 | 6,967 | 9,798 | 92 | 10 | 11,700 | 503,640 | 509 |
| 14 | 6/18/2025 | 6,374 | 7,286 | 9,912 | 89 | 10 | 10,349 | 503,168 | 505 |
| 15 | 6/19/2025 | 6,361 | 7,254 | 9,905 | 87 | 10 | 10,270 | 499,400 | 501 |
| 16 | 6/19/2025 | 6,342 | 7,354 | 9,921 | 94 | 10 | 10,201 | 495,280 | 496 |
| 17 | 6/19/2025 | 6,389 | 7,312 | 9,924 | 94 | 10 | 10,338 | 503,380 | 492 |
| 18 | 6/20/2025 | 6,165 | 7,355 | 9,931 | 94 | 10 | 10,221 | 498,760 | 487 |
| 19 | 6/20/2025 | 6,267 | 7,929 | 9,930 | 95 | 10 | 10,250 | 499,620 | 483 |
| 20 | 6/20/2025 | 6,326 | 8,049 | 9,929 | 93 | 10 | 10,346 | 505,300 | 479 |
| 21 | 6/20/2025 | 6,198 | 8,998 | 9,958 | 96 | 10 | 10,299 | 502,480 | 474 |
| 22 | 6/21/2025 | 6,016 | 8,521 | 9,942 | 95 | 10 | 10,279 | 502,480 | 470 |
| 23 | 6/21/2025 | 5,648 | 8,744 | 9,931 | 95 | 10 | 10,202 | 500,140 | 465 |
| 24 | 6/21/2025 | 5,206 | 7,704 | 9,790 | 93 | 10 | 10,367 | 514,300 | 461 |
| 25 | 6/22/2025 | 6,338 | 7,972 | 9,971 | 95 | 10 | 10,199 | 496,440 | 457 |
| 26 | 6/22/2025 | 5,609 | 7,513 | 9,939 | 93 | 10 | 10,168 | 492,720 | 452 |
| 27 | 6/22/2025 | 6,169 | 7,224 | 9,964 | 97 | 10 | 10,248 | 500,240 | 448 |
| 28 | 6/23/2025 | 5,598 | 7,625 | 9,947 | 94 | 10 | 10,352 | 502,440 | 443 |
| 29 | 6/23/2025 | 5,469 | 5,876 | 9,934 | 97 | 10 | 10,289 | 503,160 | 439 |
| 30 | 6/23/2025 | 5,799 | 7,764 | 9,933 | 97 | 10 | 10,225 | 501,820 | 435 |
| 31 | 6/23/2025 | 5,575 | 7,548 | 9,954 | 96 | 10 | 10,263 | 504,920 | 430 |
| 32 | 6/24/2025 | 5,540 | 7,577 | 9,941 | 97 | 10 | 10,225 | 495,560 | 426 |
| 33 | 6/24/2025 | 5,684 | 6,902 | 9,932 | 96 | 10 | 10,279 | 493,760 | 421 |
| 34 | 6/24/2025 | 5,698 | 8,025 | 9,956 | 96 | 10 | 9,629 | 457,230 | 405 |
| 35 | 6/24/2025 | 5,467 | 7,988 | 9,925 | 95 | 10 | 10,222 | 503,000 | 413 |
| 36 | 6/25/2025 | 6,023 | 7,398 | 9,966 | 97 | 10 | 10,204 | 500,580 | 408 |
| 37 | 6/25/2025 | 5,831 | 7,795 | 9,983 | 98 | 10 | 10,182 | 496,620 | 404 |
| 38 | 6/25/2025 | 5,333 | 8,179 | 9,962 | 96 | 10 | 10,119 | 492,540 | 399 |
| 39 | 6/26/2025 | 5,369 | 8,147 | 9,944 | 94 | 10 | 10,642 | 495,940 | 395 |
| 40 | 6/26/2025 | 5,715 | 7,706 | 9,975 | 94 | 10 | 10,154 | 493,560 | 391 |
| 41 | 6/26/2025 | 5,565 | 8,449 | 9,932 | 96 | 10 | 10,255 | 498,620 | 386 |

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Wyoming Department of Environmental Protection

| | | | | | | | | | |
|----|-----------|-------|-------|-------|-----|----|--------|---------|-----|
| 42 | 6/26/2025 | 5,596 | 8,162 | 9,947 | 93 | 10 | 10,517 | 501,860 | 382 |
| 43 | 6/27/2025 | 5,825 | 7,965 | 9,942 | 97 | 10 | 10,059 | 497,600 | 377 |
| 44 | 6/27/2025 | 5,812 | 8,465 | 9,930 | 95 | 10 | 10,132 | 503,340 | 373 |
| 45 | 6/28/2025 | 5,760 | 6,960 | 9,936 | 99 | 10 | 9,613 | 456,460 | 369 |
| 46 | 6/28/2025 | 6,142 | 8,668 | 9,927 | 93 | 10 | 9,491 | 453,840 | 364 |
| 47 | 6/28/2025 | 5,947 | 7,978 | 9,944 | 92 | 10 | 9,423 | 452,260 | 360 |
| 48 | 6/28/2025 | 6,134 | 8,662 | 9,953 | 94 | 10 | 9,673 | 460,280 | 355 |
| 49 | 6/29/2025 | 6,112 | 7,952 | 9,904 | 99 | 10 | 9,501 | 455,960 | 351 |
| 50 | 6/29/2025 | 6,975 | 8,072 | 9,888 | 94 | 10 | 9,487 | 455,800 | 347 |
| 51 | 6/29/2025 | 6,569 | 7,644 | 9,805 | 99 | 10 | 9,539 | 454,700 | 342 |
| 52 | 6/30/2025 | 6,093 | 7,822 | 9,710 | 99 | 10 | 9,479 | 451,940 | 338 |
| 53 | 6/30/2025 | 6,635 | 7,950 | 9,618 | 97 | 10 | 10,015 | 462,060 | 333 |
| 54 | 6/30/2025 | 6,566 | 9,264 | 9,550 | 91 | 10 | 9,295 | 403,800 | 439 |
| 55 | 6/30/2025 | 7,014 | 8,219 | 9,946 | 91 | 10 | 10,437 | 452,160 | 325 |
| 56 | 7/1/2025 | 6,800 | 8,730 | 9,615 | 99 | 10 | 9,562 | 453,860 | 320 |
| 57 | 7/1/2025 | 5,992 | 8,583 | 9,631 | 96 | 10 | 9,986 | 455,560 | 316 |
| 58 | 7/1/2025 | 5,761 | 8,594 | 9,813 | 91 | 10 | 10,214 | 454,220 | 311 |
| 59 | 7/1/2025 | 5,737 | 8,941 | 9,738 | 94 | 10 | 9,695 | 450,120 | 307 |
| 60 | 7/2/2025 | 6,672 | 8,076 | 9,278 | 100 | 10 | 9,513 | 452,120 | 303 |
| 61 | 7/2/2025 | 5,992 | 7,060 | 9,093 | 98 | 10 | 9,912 | 454,660 | 298 |
| 62 | 7/2/2025 | 5,793 | 7,320 | 9,180 | 98 | 10 | 9,878 | 458,040 | 294 |
| 63 | 7/2/2025 | 5,813 | 7,324 | 9,312 | 100 | 10 | 9,464 | 456,120 | 289 |
| 64 | 7/3/2025 | 5,196 | 7,296 | 9,856 | 100 | 10 | 9,394 | 455,760 | 285 |
| 65 | 7/3/2025 | 6,408 | 8,420 | 9,376 | 96 | 10 | 9,747 | 455,160 | 281 |
| 66 | 7/3/2025 | 5,742 | 7,964 | 9,582 | 99 | 10 | 10,240 | 452,840 | 276 |
| 67 | 7/4/2025 | 5,477 | 7,635 | 9,102 | 97 | 10 | 9,384 | 455,140 | 272 |
| 68 | 7/4/2025 | 5,210 | 6,707 | 9,128 | 98 | 10 | 9,783 | 454,680 | 267 |
| 69 | 7/4/2025 | 5,628 | 7,456 | 9,041 | 98 | 10 | 9,811 | 459,460 | 263 |
| 70 | 7/4/2025 | 5,188 | 7,420 | 9,079 | 98 | 10 | 9,381 | 457,260 | 259 |
| 71 | 7/5/2025 | 5,401 | 6,925 | 8,960 | 99 | 10 | 9,358 | 456,780 | 254 |
| 72 | 7/5/2025 | 5,392 | 7,533 | 8,982 | 98 | 10 | 9,796 | 455,020 | 250 |
| 73 | 7/5/2025 | 5,710 | 7,194 | 9,022 | 98 | 10 | 9,729 | 455,660 | 245 |
| 74 | 7/5/2025 | 6,119 | 6,972 | 9,063 | 99 | 10 | 9,473 | 457,760 | 241 |
| 75 | 7/6/2025 | 5,045 | 7,800 | 9,053 | 99 | 9 | 9,317 | 449,120 | 237 |
| 76 | 7/6/2025 | 5,067 | 7,828 | 8,755 | 99 | 10 | 9,463 | 460,120 | 232 |
| 77 | 7/6/2025 | 5,505 | 7,591 | 8,722 | 99 | 10 | 9,621 | 459,120 | 228 |
| 78 | 7/6/2025 | 5,461 | 6,719 | 8,750 | 99 | 10 | 10,731 | 459,640 | 223 |
| 79 | 7/6/2025 | 4,897 | 8,583 | 9,018 | 99 | 10 | 9,779 | 466,120 | 219 |

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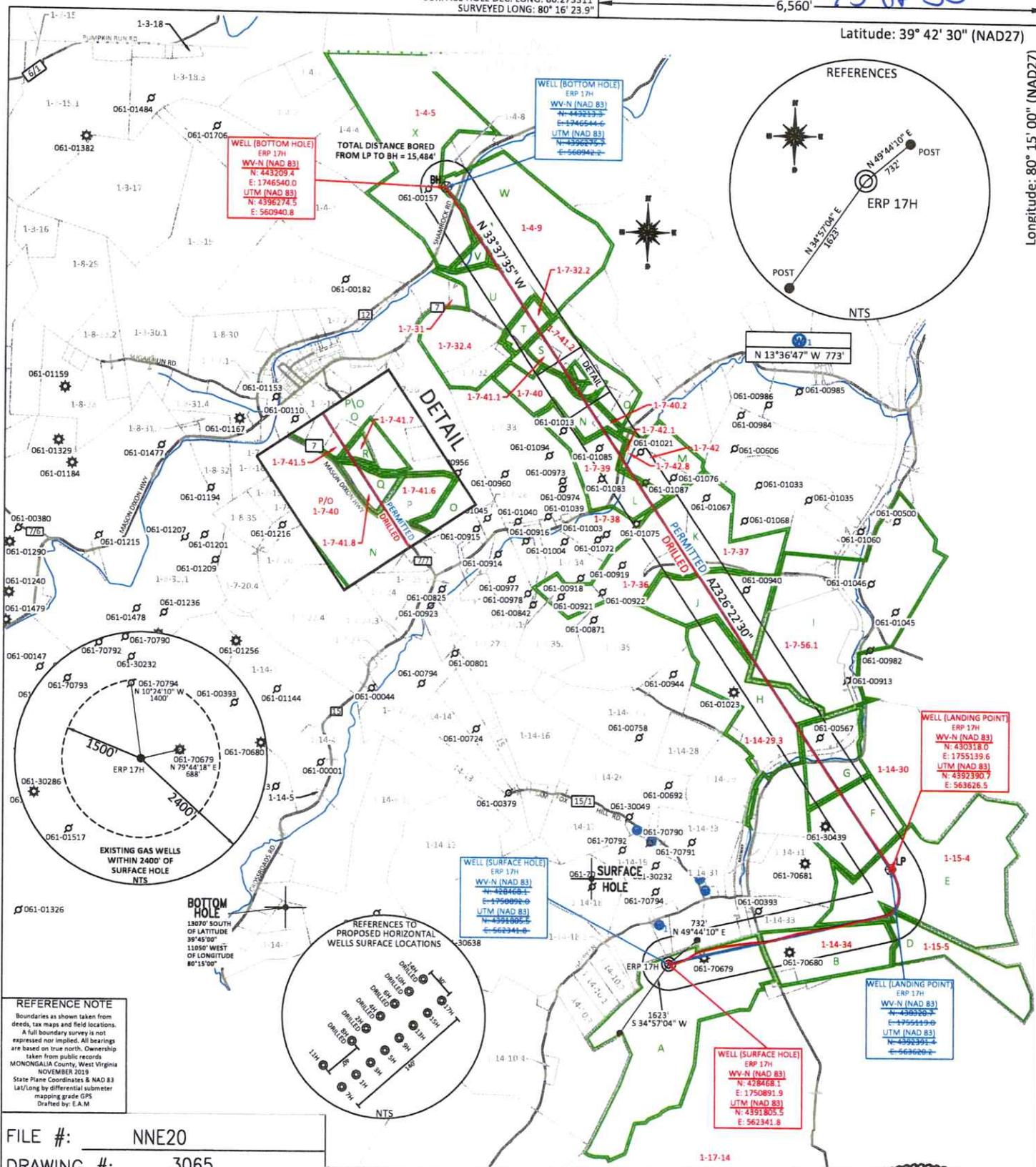
WV Department of
Environmental Protection

03/13/2026

| ERP North Completion Lithology | | | |
|--------------------------------|---------------------|------------------------|--|
| Lithology/Formation | Top Depth in FT TVD | Bottom Depth in FT TVD | Describe rock type and record quantity and type of fluid (freshwater, brine, oil, gas, H2S, etc) |
| Sand/silt | 0 | 300 | Sand/silt |
| Sand/red shale | 300 | 575 | Sand/red shale |
| sandstone/siltstone/red silt | 575 | 665 | sandstone/siltstone/red silt |
| Washington coal | 665 | 669 | coal |
| siltstone/sandstone/limestone | 669 | 734 | carbonaceous silt/sandstone |
| Waynesburg coal | 734 | 739 | Waynesburg coal |
| sandstone/limestone | 739 | 994 | sandstone/limestone |
| Sewickley Coal | 994 | 1000 | Sewickley Coal |
| Limestone/siltstone/red beds | 1000 | 1211 | Limestone/siltstone/red beds |
| Pittsburgh coal | 1211 | 1220 | Pittsburgh coal |
| Limestone/siltstone | 1220 | 1300 | Limestone/siltstone |
| Red Rock/siltstone/limestone | 1300 | 2060 | Red Rock/siltstone/limestone |
| siltstone/sandstone | 2060 | 2149 | siltstone/sandstone |
| Little Lime | 2149 | 2217 | Little Lime |
| Big Lime | 2217 | 2367 | Limestone |
| Big Injun | 2367 | 2500 | Sandstone |
| Sand/silt | 2500 | 2546 | Sand/silt |
| Gantz | 2546 | 2552 | Sandstone |
| Sand/shale | 2552 | 2962 | Sand/shale |
| Gordon | 2962 | 3060 | Sandstone |
| Siltstone/sandstone | 3060 | 3230 | Siltstone/sandstone |
| Fourth Sand | 3230 | 3340 | Sandstone |
| siltstone/sandstone | 3340 | 5200 | siltstone/sandstone |
| Gray shale/siltstone | 5200 | 7399 | Gray shale/siltstone |
| Middlesex | 7399 | 7646 | Middlesex |
| Burkett | 7646 | 7800 | Burkett |
| Geneseo | 7800 | 7856 | Geneseo |
| Tully | 7856 | 7898 | Tully |
| Hamilton | 7898 | 7990 | Hamilton |
| Marcellus | 7990 | 8102 | Marcellus |
| Onondaga | 8102 | | Onondaga |

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9 of 30

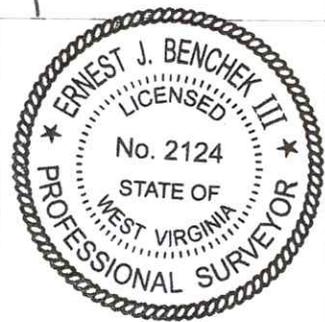


REFERENCE NOTE
 Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Ownership taken from public records MONONGALIA County, West Virginia NOVEMBER 2019 State Plane Coordinates & NAD 83 Laid/long by differential submeter mapping grade GPS Drafted by: E.A.M

FILE #: NNE20
 DRAWING #: 3065
 SCALE: PLAT: 1" = 2600'
TICK: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/200
 PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: [Signature]
 L.L.S. #2124 : Ernest J. Benchek III



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
 OFFICE OF OIL & GAS
 601 5TH STREET
 CHARLESTON, WV 25304
 Well Type: Oil Waste Diposal Production Deep Gas Liquid Injection Storage Shallow
 WATERSHED: DUNKARD CREEK
 COUNTY/DISTRICT: MONONGALIA / BATTELLE
 SURFACE OWNER: Phoenix Energy Resources, LLC
 OIL & GAS ROYALTY OWNER: Phoenix Energy Resources, LLC, et al.
 LEASE NUMBERS: _____

DATE: JULY 31, 2025
 OPERATOR'S WELL #: ERP 17H (AS-DRILLED)
 API WELL #: 47 61 01964
 STATE COUNTY PERMIT
 AS-BUILT ELEVATION: 1,338.6'
 QUADRANGLE: WADSWORTH
 ACREAGE: 1460.563 +/-
 ACREAGE: 117.965 +/-

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: 7,999' TMD: 25,637'
 DESIGNATED AGENT: JOHN ADAMS
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

SURFACE HOLE DEC. LAT: 39.673718 SURVEYED LAT: 39° 40' 25.4"

12,610'

| PROPERTY OWNER INDEX | |
|----------------------|---|
| 1-4-5 | CONSOL MINING COMPANY LLC |
| 1-4-9 | CONSOL MINING COMPANY LLC |
| 1-7-31 | CNX LAND LLC |
| 1-7-32.2 | THOMAS N & JEAN COWELL |
| 1-7-32.4 | TREVIS & JORDYN HALL |
| 1-7-36 | JERRY L & MARGARET E WILSON |
| 1-7-37 | ERIC MONTGOMERY |
| 1-7-38 | BUCK & LINDA HENNEN |
| 1-7-39 | DAVID,TIMOTHY & SYLVIA J TUTTLE; NAOMI LEMLEY |
| 1-7-40 | DAVID,TIMOTHY & SYLVIA J TUTTLE; NAOMI LEMLEY |
| 1-7-40.2 | SYLVIA TUTTLE |
| 1-7-41.1 | DORIS M SIMPSON |
| 1-7-41.2 | ALLEN L JR & ERIN L SIMPSON |
| 1-7-41.5 | RONALD E & DEBRA D FOLEY |
| 1-7-41.6 | THOMAS L & SUSAN L STILES |
| 1-7-41.7 | RONALD E & DEBRA D FOLEY |
| 1-7-41.8 | ALLEN L SIMPSON JR |
| 1-7-42 | JOHN D WISE |
| 1-7-42.1 | AUTAMN J TENNANT |
| 1-7-42.8 | AUTAMN J TENNANT |
| 1-7-56.1 | RICHARD E SHRIVER |
| 1-14-29.3 | LAVONNA J & JOHN MCCLURE |
| 1-14-30 | JOHN FOX TRUST FOR BONNIE HUMBERTSON |
| 1-14-34 | EASTERN ASSOCIATED COAL CORP |
| 1-15-4 | STANDARD LAND CO LLC & ARKANSAS ENERGY PARTNERS LLC |
| 1-15-5 | PHOENIX FEDERAL MINING COMPLEX LLC |
| 1-17-14 | PHOENIX FEDERAL MINING COMPLEX LLC |

| LEASE INDEX | | | |
|-------------|-----------------------|---|-----------------------|
| A | WV-061-005667-001 | O | WV-061-000195-001-JOA |
| B | WV-061-005667-001 | P | WV-061-000195-001-JOA |
| D | WV-061-006307-001 | Q | WV-061-000195-001-JOA |
| E | WV-061-000208-001-JOA | R | WV-061-000195-001-JOA |
| F | WV-061-006179-001 | S | WV-061-000195-001-JOA |
| G | WV-061-006179-001 | T | WV-061-004218-004 |
| H | WV-061-000195-001-JOA | U | WV-061-004218-004 |
| I | WV-061-004400-001 | V | WV-061-000195-001-JOA |
| J | WV-061-005230-001 | W | WV-061-000208-001-JOA |
| K | WV-061-005230-001 | X | WV-061-000195-001-JOA |
| L | WV-061-006384-001 | | |
| M | WV-061-000208-001-JOA | | |
| N | WV-061-006110-003 | | |

03/13/2026

| | |
|------------------------|---|
| FILE #: <u>NEE20</u> | DATE: <u>JULY 31, 2025</u> |
| DRAWING #: <u>3065</u> | OPERATOR'S WELL #: <u>ERP 17H (AS-DRILLED)</u> |
| SCALE: <u>N/A</u> | API WELL #: <u>47</u> <u>61</u> <u>01964</u> STATE COUNTY PERMIT |

29 of 30

Hydraulic Fracturing Fluid Product Component Information Disclosure

| | |
|---------------------------------|------------------------------|
| Job Start Date: | 06/14/2025 |
| Job End Date: | 07/06/2025 |
| State: | West Virginia |
| County: | Monongalia |
| API Number: | 47-061-01964-00-00 |
| Operator Name: | Northeast Natural Energy LLC |
| Well Name and Number: | ERP 17H |
| Latitude: | 39.673798 |
| Longitude: | -80.273108 |
| Datum: | NAD83 |
| Federal Well: | NO |
| Indian Well: | NO |
| True Vertical Depth: | 9911 |
| Total Base Water Volume (gal)*: | 34720140 |
| Total Base Non Water Volume: | 0 |



| Water Source | Percent |
|------------------|---------|
| Other, > 1000TDS | 85.00% |

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 405 | Chemstream | Scale Control | | | | | |
| 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 | 88.35254 | None |
| | | | Crystalline Silica in the form | 14808-60-7 | 99.90000 | 11.47680 | None |

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30 of 30

| | | | of Quartz | | | | |
|--|--|--|---|-----------------|----------|---------|------|
| | | | ACRYLAMIDE- CHLORIDE SALT OF TRIMETHYLAMMONIO- ETHYL ACRYLATE COPOLYMER | 69418-26-4 | 40.00000 | 0.03233 | None |
| | | | ALKANES, C12-26- BRANCHED AND LINEAR | 90622-53-0 | 40.00000 | 0.03233 | None |
| | | | Hydrogen chloride | 7647-01-0 | 28.00000 | 0.01465 | None |
| | | | Glutaraldehyde | 111-30-8 | 20.00000 | 0.00424 | None |
| | | | ETHOXYLATED ALCOHOLS (C12-16) | 68551-12-2 | 5.00000 | 0.00404 | None |
| | | | AA/Maleic Anhydride Co- polymer | 9003-04-7 | 10.00000 | 0.00336 | None |
| | | | AA/ATBS Co-polymer | 9003-05-8 | 10.00000 | 0.00336 | 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 | 0.00009 | None |
| | | | Pyridinium, 1- (phenylmethyl)-, ethyl methyl derivs., chlorides | 68909-18-2 | 25.00000 | 0.00009 | None |
| | | | Ethanoic Acid | Proprietary | 15.00000 | 0.00005 | None |
| | | | Ethoxylated Alcohols | Proprietary | 15.00000 | 0.00005 | None |
| | | | 2-ethylhexanol | 104-76-7 | 5.00000 | 0.00002 | None |
| | | | Ethoxylated Nonylphenols | 127087-87- 0 | 5.00000 | 0.00002 | 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)

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