

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

API: 47-061-01820

API 47-061-01817 County Monongalia District Battelle
Quad Mannington Pad Name McClellan Field/Pool Name _____
Farm name McClellan Well Number 9H
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 4386027.7 Easting 561910.8
Landing Point of Curve Northing 4386373.5 Easting 562230.4
Bottom Hole Northing 4390101.0 Easting 559651.8

Elevation (ft) 1,412' 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

Date permit issued 02/22/2019 Date drilling commenced 5/29/2019 Date drilling ceased 4/15/2020
Date completion activities began 5/8/2020 Date completion activities ceased 5/28/2020
Verbal plugging (Y/N) N Date permission granted NA Granted by _____

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

Freshwater depth(s) ft 726', 1105', 1135' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 2150', 2470' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 1095' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:
Bryan Harris

API 47-061 - 01817 Farm name McClellan Well number 9H

| 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" | 55' | N | | NA | |
| Surface | 17.5" | 13.375" | 1,210 | N | 54.5 | NA | Y, 50 bbl |
| Coal | | | | | | | |
| Intermediate 1 | 12.25" | 9.625" | 2,918' | N | 40 | NA | Y, 43 bbl |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | 8.5" | 5.5 | 23,831' | N | 20 | NA | Y |
| Tubing | | | | | | | |
| Packer type and depth set | | | | | | | |

Comment Details _____

| 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 | 4500 psi ready mix | | | | | | 48 |
| Surface | Class A | 1,250 | 15.6 | 1.19 | 1,484 | CTS | 8 |
| Coal | | | | | | | |
| Intermediate 1 | Class A | 1,100 | 15.2 | 1.13 | 1,240 | CTS | 8 |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | Class A | 4,300 | 14.5 | 1.16 | 4,975 | 2,385' | 48 |
| Tubing | | | | | | | |

Drillers TD (ft) 23,870' Loggers TD (ft) 23,840'

Deepest formation penetrated Oriskany (Pilot), Marcellus (Horizontal) Plug back to (ft) 5,138'

Plug back procedure A pilot hole was drilled on synthetic based mud to an approximate depth of 8,390' and plugged back with solid cement.

Kick off depth (ft) 5,260'

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: Bow spring centralizers every 3rd joint or approximately 120'

Intermediate: Bow spring centralizers every 3rd joint or approximately 120'

Production: Rigid body centralizers placed at a minimum of every other joint (~80') from TD to surface

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WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____ WV Department of Environmental Protection

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

API 47- 061 - 01817 Farm name McClellan Well number 9H

| PRODUCING FORMATION(S) | DEPTHS | | |
|------------------------|--------|-----|------------|
| Marcellus | 8,072' | TVD | 23,870' MD |
| | | | |
| | | | |
| | | | |

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump
 SHUT-IN PRESSURE Surface NA psi Bottom Hole 3001 psi DURATION OF TEST 24 hrs
 OPEN FLOW Gas 2821 mcfpd Oil bpd NGL bpd Water bpd GAS MEASURED BY Estimated Orifice Pilot

| LITHOLOGY/ FORMATION | TOP | BOTTOM | TOP | BOTTOM | DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC) |
|-------------------------|-------------------------|--------------------|-------------------|-------------------|--|
| | DEPTH IN FT NAME TVD | DEPTH IN FT TVD | DEPTH IN FT MD | DEPTH IN FT MD | |
| See attached | 0 | | 0 | | |
| | | | | | |
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Please insert additional pages as applicable.

Drilling Contractor Highlands Drilling
 Address 900 Virginia St. E. City Charleston State WV Zip 25301
 Logging Company Baker Hughes
 Address 837 Phillipi Pike City Clarksburg State WV Zip 26301 RECEIVED
 Cementing Company Lightening Energy Services Office of Oil and Gas
 Address 104 Heliport Loop Road City Bridgeport State WV Zip 26330 OCT 5 2020
 Stimulating Company Producers Services
 Address 109 Graham St. City Zanesville State OH Zip 45701 WV Department of Environmental Protection

Please insert additional pages as applicable.

Completed by Hollie Medley Telephone 304-212-0422
 Signature Hollie Medley Title Regulatory Manager Date _____

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

| McClellan Lithology | | |
|-------------------------------|---------------------|------------------------|
| Lithology/Formation | Top Depth in FT TVD | Bottom Depth in FT TVD |
| Sand/silt | 0 | 160 |
| silt/red shale | 160 | 490 |
| siltstone/sandstone/limestone | 490 | 520 |
| limestone/siltstone/sandstone | 520 | 576 |
| coal | 576 | 580 |
| siltstone/limestone/shale | 580 | 760 |
| coal | 760 | 992 |
| siltstone/sandstone | 992 | 998 |
| coal | 998 | 1084 |
| sandstone/siltstone/limestone | 1084 | 1092 |
| coal-Pittsburgh | 1092 | 1120 |
| sandstone/limestone | 1120 | 1150 |
| red shale/siltstone | 1150 | 1480 |
| Limestone/siltstone | 1480 | 2050 |
| sandstone | 2050 | 2110 |
| sandstone/siltstone/red shale | 2110 | 2260 |
| siltstone/sandstone | 2260 | 2470 |
| sandstone | 2470 | 2500 |
| Upper Devonian Sands/silts | 2500 | 3010 |
| shale/siltstone | 3010 | 3020 |
| Upper Devonian Sands/silts | 3020 | 3560 |
| Devonian siltstones/shales | 3560 | 7620 |
| Middlesex shale/silt | 7620 | 7790 |
| Burkett shale | 7790 | 7816 |
| Geneseo shale | 7816 | 7845 |
| Tully Limestone | 7845 | 7898 |
| Hamilton shale | 7898 | 7996 |
| Marcellus shale | 7996 | TD |

Describe rock type and record quantity and type of fluid (freshwater, brine, oil, gas, H2S, etc)

Sand/silt
silt/red shale
siltstone/sandstone/limestone
siltstone
coal
siltstone/shale
siltstone/shale/limestone
coal
siltstone/shale/limestone
coal - Pittsburgh
siltstone/shale/limestone
sandstone
siltstone/limestone/sand/red shale
siltstone/sandstone
sandstone
siltstone/sandstone
siltstone/limestone
Big Injun Sandstone
sandstone/siltstone
Gantz sandstone
Upper Devonian sandstones/siltstones
Devonian siltstones/shales
Middlesex shale/silt
Burkett Shale
Geneseo shale
Tully Limestone
Hamilton shale
Marcellus shale

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McClellan 9H Perforation Summary

| Stage Number | Report Date | Cluster 5 Bottom TD | Cluster 1 Top TD | Total Shots |
|--------------|-------------|---------------------|------------------|-------------|
| 1 | 05/08/20 | 23,723 | 0 | 0 |
| 2 | 05/09/20 | 23,542 | 23,683 | 40 |
| 3 | 05/09/20 | 23,363 | 23,504 | 40 |
| 4 | 05/09/20 | 23,184 | 23,325 | 40 |
| 5 | 05/10/20 | 23,005 | 23,146 | 40 |
| 6 | 05/10/20 | 22,826 | 22,967 | 40 |
| 7 | 05/10/20 | 22,647 | 22,788 | 40 |
| 8 | 05/10/20 | 22,468 | 22,609 | 40 |
| 9 | 05/11/20 | 22,289 | 22,430 | 40 |
| 10 | 05/11/20 | 22,110 | 22,251 | 40 |
| 11 | 05/11/20 | 21,931 | 22,072 | 40 |
| 12 | 05/11/20 | 21,752 | 21,893 | 40 |
| 13 | 05/12/20 | 21,573 | 21,714 | 40 |
| 14 | 05/12/20 | 21,394 | 21,535 | 40 |
| 15 | 05/12/20 | 21,215 | 21,356 | 40 |
| 16 | 05/13/20 | 21,036 | 21,177 | 40 |
| 17 | 05/13/20 | 20,856 | 20,998 | 40 |
| 18 | 05/13/20 | 20,677 | 20,819 | 40 |
| 19 | 05/14/20 | 20,498 | 20,640 | 40 |
| 20 | 05/14/20 | 20,319 | 20,461 | 40 |
| 21 | 05/14/20 | 20,140 | 20,282 | 40 |
| 22 | 05/14/20 | 19,961 | 20,102 | 40 |
| 23 | 05/15/20 | 19,782 | 19,923 | 40 |
| 24 | 05/15/20 | 19,603 | 19,744 | 40 |
| 25 | 05/15/20 | 19,424 | 19,565 | 40 |
| 26 | 05/16/20 | 19,245 | 19,386 | 40 |
| 27 | 05/16/20 | 19,066 | 19,207 | 40 |
| 28 | 05/16/20 | 18,887 | 19,028 | 40 |
| 29 | 05/16/20 | 18,708 | 18,849 | 40 |
| 30 | 05/17/20 | 18,529 | 18,670 | 40 |
| 31 | 05/17/20 | 18,350 | 18,491 | 40 |
| 32 | 05/17/20 | 18,171 | 18,312 | 40 |
| 33 | 05/17/20 | 17,992 | 18,133 | 40 |
| 34 | 05/17/20 | 17,813 | 17,954 | 40 |
| 35 | 05/18/20 | 17,634 | 17,775 | 40 |
| 36 | 05/18/20 | 17,455 | 17,596 | 40 |
| 37 | 05/18/20 | 17,275 | 17,417 | 40 |
| 38 | 05/18/20 | 17,096 | 17,238 | 40 |
| 39 | 05/19/20 | 16,917 | 17,059 | 40 |
| 40 | 05/19/20 | 16,738 | 16,880 | 40 |
| 41 | 05/19/20 | 16,559 | 16,701 | 40 |
| 42 | 05/19/20 | 16,380 | 16,521 | 40 |
| 43 | 05/20/20 | 16,201 | 16,342 | 40 |
| 44 | 05/20/20 | 16,022 | 16,163 | 40 |
| 45 | 05/20/20 | 15,843 | 15,984 | 40 |
| 46 | 05/20/20 | 15,664 | 15,805 | 40 |

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McClellan 9H Perforation Summary

| | | | | |
|----|----------|--------|--------|----|
| 47 | 05/20/20 | 15,485 | 15,626 | 40 |
| 48 | 05/21/20 | 15,306 | 15,447 | 40 |
| 49 | 05/21/20 | 15,127 | 15,268 | 40 |
| 50 | 05/21/20 | 14,948 | 15,089 | 40 |
| 51 | 05/21/20 | 14,769 | 14,910 | 40 |
| 52 | 05/21/20 | 14,590 | 14,731 | 40 |
| 53 | 05/22/20 | 14,411 | 14,552 | 40 |
| 54 | 05/22/20 | 14,232 | 14,373 | 40 |
| 55 | 05/22/20 | 14,053 | 14,194 | 40 |
| 56 | 05/22/20 | 13,874 | 14,015 | 40 |
| 57 | 05/23/20 | 13,694 | 13,836 | 40 |
| 58 | 05/23/20 | 13,515 | 13,657 | 40 |
| 59 | 05/23/20 | 13,336 | 13,478 | 40 |
| 60 | 05/23/20 | 13,157 | 13,299 | 40 |
| 61 | 05/23/20 | 12,978 | 13,120 | 40 |
| 62 | 05/24/20 | 12,799 | 12,940 | 40 |
| 63 | 05/24/20 | 12,620 | 12,761 | 40 |
| 64 | 05/24/02 | 12,441 | 12,582 | 40 |
| 65 | 05/24/20 | 12,262 | 12,403 | 40 |
| 66 | 05/24/20 | 12,083 | 12,224 | 40 |
| 67 | 05/25/20 | 11,904 | 12,045 | 40 |
| 68 | 05/25/20 | 11,725 | 11,866 | 40 |
| 69 | 05/25/20 | 11,546 | 11,687 | 40 |
| 70 | 05/25/20 | 11,367 | 11,508 | 40 |
| 71 | 05/26/20 | 11,188 | 11,329 | 40 |
| 72 | 05/26/20 | 11,009 | 11,150 | 40 |
| 73 | 05/26/20 | 10,830 | 10,971 | 40 |
| 74 | 05/26/20 | 10,651 | 10,792 | 40 |
| 75 | 05/27/20 | 10,472 | 10,613 | 40 |
| 76 | 05/27/20 | 10,293 | 10,434 | 40 |
| 77 | 05/27/20 | 10,113 | 10,255 | 40 |
| 78 | 05/27/20 | 9,934 | 10,076 | 40 |
| 79 | 05/27/20 | 9,755 | 9,897 | 40 |
| 80 | 05/27/20 | 9,576 | 9,718 | 40 |
| 82 | 05/28/20 | 9,218 | 9,359 | 40 |
| 83 | 05/28/20 | 9,039 | 9,180 | 40 |
| 84 | 05/28/20 | 8,860 | 9,001 | 40 |

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McMlellan 9H 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 | 05/08/20 | 4,540 | 6,026 | 9,050 | 77 | 595 | 7,545 | 302,040 | 537 |
| 2 | 05/09/20 | 5,245 | 7,652 | 9,794 | 81 | 188 | 9,275 | 376,940 | 527 |
| 3 | 05/09/20 | 4,981 | 8,014 | 9,512 | 85 | 119 | 8,256 | 378,800 | 546 |
| 4 | 05/09/20 | 5,336 | 6,948 | 9,833 | 83 | 524 | 8,807 | 377,540 | 519 |
| 5 | 05/10/20 | 5,609 | 6,832 | 9,595 | 85 | 42 | 7,889 | 375,650 | 515 |
| 6 | 05/10/20 | 5,657 | 7,063 | 9,874 | 87 | 50 | 7,865 | 375,630 | 505 |
| 7 | 05/10/20 | 5,331 | 7,466 | 9,751 | 87 | 56 | 7,957 | 375,960 | 507 |
| 8 | 05/10/20 | 5,284 | 6,615 | 9,675 | 84 | 52 | 7,150 | 358,580 | 501 |
| 9 | 05/11/20 | 5,805 | 6,592 | 9,836 | 87 | 69 | 7,333 | 356,450 | 500 |
| 10 | 05/11/20 | 5,040 | 7,082 | 9,967 | 88 | 65 | 7,339 | 350,930 | 495 |
| 11 | 05/11/20 | 5,141 | 6,871 | 9,885 | 90 | 52 | 7,539 | 355,400 | 496 |
| 12 | 05/11/20 | 5,427 | 5,891 | 9,789 | 89 | 79 | 7,705 | 360,340 | 491 |
| 13 | 05/12/20 | 5,394 | 7,114 | 9,725 | 88 | 55 | 7,291 | 356,200 | 490 |
| 14 | 05/12/20 | 5,374 | 6,806 | 9,720 | 87 | 50 | 7,087 | 356,010 | 486 |
| 15 | 05/12/20 | 5,458 | 6,520 | 9,867 | 88 | 70 | 7,351 | 354,190 | 474 |
| 16 | 05/13/20 | 6,080 | 6,898 | 9,797 | 88 | 54 | 7,396 | 357,220 | 470 |
| 17 | 05/13/20 | 6,163 | 6,527 | 9,918 | 90 | 50 | 8,032 | 356,250 | 465 |
| 18 | 05/13/20 | 5,473 | 6,378 | 9,726 | 89 | 42 | 7,289 | 354,790 | 465 |
| 19 | 05/14/20 | 5,828 | 6,720 | 9,766 | 90 | 56 | 7,007 | 355,510 | 455 |
| 20 | 05/14/20 | 5,006 | 7,158 | 9,577 | 88 | 50 | 7,195 | 355,280 | 461 |
| 21 | 05/14/20 | 5,293 | 6,958 | 9,738 | 89 | 124 | 6,794 | 361,350 | 459 |
| 22 | 05/14/20 | 5,503 | 6,849 | 9,825 | 92 | 54 | 7,120 | 355,030 | 449 |
| 23 | 05/15/20 | 5,565 | 7,250 | 9,615 | 89 | 60 | 7,148 | 352,770 | 449 |
| 24 | 05/15/20 | 5,518 | 7,312 | 9,606 | 85 | 44 | 7,003 | 354,930 | 447 |
| 25 | 05/15/20 | 5,152 | 7,690 | 9,649 | 89 | 85 | 6,853 | 359,000 | 434 |
| 26 | 05/16/20 | 6,214 | 7,121 | 9,580 | 90 | 53 | 6,985 | 357,280 | 435 |
| 27 | 05/16/20 | 5,396 | 7,449 | 9,564 | 90 | 60 | 7,108 | 354,400 | 430 |
| 28 | 05/16/20 | 5,480 | 7,758 | 9,724 | 90 | 60 | 7,212 | 361,360 | 424 |
| 29 | 05/16/20 | 6,116 | 7,785 | 9,653 | 88 | 65 | 6,671 | 356,010 | 417 |
| 30 | 05/17/20 | 5,566 | 7,266 | 9,498 | 89 | 39 | 6,447 | 355,020 | 414 |
| 31 | 05/17/20 | 6,305 | 7,491 | 9,689 | 89 | 27 | 6,762 | 353,560 | 417 |
| 32 | 05/17/20 | 5,015 | 7,345 | 9,426 | 90 | 28 | 6,778 | 356,220 | 422 |
| 33 | 05/17/20 | 5,474 | 7,687 | 9,799 | 93 | 49 | 6,632 | 354,130 | 407 |
| 34 | 05/17/20 | 5,115 | 7,233 | 9,557 | 93 | 58 | 6,484 | 355,330 | 400 |
| 35 | 05/18/20 | 5,316 | 7,620 | 9,783 | 95 | 41 | 6,154 | 355,090 | 401 |
| 36 | 05/18/20 | 5,092 | 7,610 | 9,440 | 88 | 38 | 6,782 | 354,560 | 401 |
| 37 | 05/18/20 | 5,066 | 7,596 | 9,630 | 88 | 36 | 6,740 | 354,430 | 398 |
| 38 | 05/18/20 | 5,139 | 4,621 | 9,013 | 84 | 38 | 6,452 | 361,790 | 380 |
| 39 | 05/19/20 | 5,524 | 7,425 | 9,290 | 90 | 87 | 6,447 | 372,080 | 376 |
| 40 | 05/19/20 | 5,762 | 6,740 | 9,119 | 89 | 50 | 6,814 | 354,380 | 386 |
| 41 | 05/19/20 | 5,234 | 6,616 | 8,982 | 89 | 23 | 6,649 | 354,640 | 383 |
| 42 | 05/19/20 | 5,340 | 7,164 | 9,386 | 96 | 57 | 6,577 | 351,810 | 369 |
| 43 | 05/20/20 | 5,212 | 7,507 | 9,545 | 94 | 44 | 6,752 | 354,370 | 362 |

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McMlellan 9H Stimulation Report

| | | | | | | | | | |
|----|----------|-------|-------|-------|----|-----|-------|---------|-----|
| 44 | 05/20/20 | 5,756 | 6,885 | 9,613 | 91 | 51 | 6,492 | 355,670 | 364 |
| 45 | 05/20/20 | 5,831 | 7,363 | 9,291 | 91 | 42 | 6,203 | 354,250 | 366 |
| 46 | 05/20/20 | 5,271 | 7,691 | 9,341 | 93 | 66 | 6,394 | 354,890 | 351 |
| 47 | 05/20/20 | 5,374 | 7,544 | 9,503 | 93 | 37 | 6,786 | 354,330 | 344 |
| 48 | 05/21/20 | 5,068 | 7,517 | 9,391 | 92 | 56 | 6,518 | 357,640 | 347 |
| 49 | 05/21/20 | 5,746 | 7,602 | 9,076 | 90 | 33 | 5,969 | 354,880 | 352 |
| 50 | 05/21/20 | 5,213 | 7,097 | 8,894 | 88 | 26 | 6,202 | 355,560 | 346 |
| 51 | 05/21/20 | 5,551 | 7,724 | 9,030 | 89 | 36 | 6,052 | 360,230 | 330 |
| 52 | 05/21/20 | 5,912 | 7,798 | 9,933 | 71 | 25 | 8,531 | 356,970 | 324 |
| 53 | 05/22/20 | 6,117 | 7,733 | 9,479 | 92 | 56 | 7,559 | 352,780 | 341 |
| 54 | 05/22/20 | 5,857 | 7,620 | 9,069 | 92 | 42 | 6,557 | 354,280 | 327 |
| 55 | 05/22/20 | 5,555 | 7,980 | 9,122 | 90 | 19 | 6,234 | 358,190 | 316 |
| 56 | 05/22/20 | 5,063 | 7,672 | 9,752 | 88 | 51 | 6,132 | 356,760 | 310 |
| 57 | 05/23/20 | 5,181 | 8,020 | 9,620 | 88 | 87 | 6,281 | 356,890 | 303 |
| 58 | 05/23/20 | 6,179 | 7,339 | 8,665 | 89 | 29 | 7,015 | 352,520 | 314 |
| 59 | 05/23/20 | 6,379 | 7,466 | 8,860 | 91 | 27 | 6,277 | 354,880 | 305 |
| 60 | 05/23/20 | 6,356 | 6,946 | 8,464 | 88 | 27 | 6,582 | 362,790 | 291 |
| 61 | 05/23/20 | 5,956 | 7,088 | 8,723 | 92 | 31 | 6,156 | 358,820 | 295 |
| 62 | 05/24/20 | 5,024 | 8,523 | 8,857 | 93 | 14 | 6,216 | 358,940 | 287 |
| 63 | 05/24/20 | 5,949 | 5,454 | 8,568 | 91 | 47 | 6,588 | 359,650 | 289 |
| 64 | 05/24/02 | 5,410 | 6,930 | 8,488 | 90 | 103 | 6,657 | 359,720 | 289 |
| 65 | 05/24/20 | 6,246 | 6,872 | 8,526 | 90 | 32 | 6,179 | 356,670 | 275 |
| 66 | 05/24/20 | 5,795 | 7,975 | 8,854 | 91 | 22 | 6,256 | 353,640 | 271 |
| 67 | 05/25/20 | 6,155 | 6,428 | 8,474 | 90 | 27 | 6,225 | 354,350 | 268 |
| 68 | 05/25/20 | 6,470 | 7,092 | 8,498 | 89 | 27 | 6,270 | 356,620 | 274 |
| 69 | 05/25/20 | 5,864 | 7,113 | 8,684 | 91 | 27 | 6,413 | 352,210 | 270 |
| 70 | 05/25/20 | 5,606 | 7,030 | 8,498 | 92 | 26 | 6,200 | 355,340 | 255 |
| 71 | 05/26/20 | 5,706 | 6,595 | 8,440 | 92 | 48 | 6,088 | 356,550 | 253 |
| 72 | 05/26/20 | 5,963 | 6,977 | 8,178 | 88 | 21 | 6,354 | 355,840 | 254 |
| 73 | 05/26/20 | 5,611 | 7,496 | 8,407 | 90 | 30 | 5,866 | 353,580 | 245 |
| 74 | 05/26/20 | 5,384 | 7,493 | 8,600 | 90 | 40 | 5,944 | 354,490 | 240 |
| 75 | 05/27/20 | 5,087 | 8,063 | 9,232 | 87 | 40 | 5,938 | 357,710 | 235 |
| 76 | 05/27/20 | 5,238 | 7,731 | 8,575 | 91 | 42 | 6,182 | 351,350 | 246 |
| 77 | 05/27/20 | 5,478 | 7,747 | 8,350 | 90 | 15 | 6,370 | 352,870 | 238 |
| 78 | 05/27/20 | 6,244 | 7,679 | 8,428 | 95 | 18 | 6,321 | 353,970 | 225 |
| 79 | 05/27/20 | 6,175 | 7,113 | 8,074 | 90 | 25 | 6,221 | 350,670 | 220 |
| 80 | 05/27/20 | 5,572 | 6,580 | 7,862 | 90 | 35 | 5,778 | 356,040 | 225 |
| 82 | 05/28/20 | 5,912 | 6,955 | 8,022 | 90 | 42 | 6,017 | 358,360 | 205 |
| 83 | 05/28/20 | 6,247 | 6,692 | 7,892 | 92 | 32 | 6,109 | 354,500 | 215 |
| 84 | 05/28/20 | 5,705 | 6,462 | 7,645 | 92 | 37 | 6,192 | 361,020 | 206 |

Office of Oil and Gas

OCT 5 2020

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Environmental Protection



Ticket #: 0

Remit to:
 Lightning Energy Services
 104 Heliport Loop Road
 Bridgeport, WV 26330

| Job Times | | | | |
|-----------|----------|------------|----------|----------|
| Date: | On Loc: | Job Start: | Job End: | Off Loc: |
| | 06/10/19 | 06/10/19 | 06/10/19 | 06/10/19 |
| Time: | 3:00am | 12:05am | 2:08 AM | 4:00 AM |

| Customer and Well Information | | | | | |
|--------------------------------|-------------------------------|---------------------------------------|----------------------|--------------------------------|-------------------|
| Customer: NORTHEAST | | Well Name: McClellan | | Well #: 9H | Well Type: GAS |
| County: | State: WV | AFE #/API #: | | PO #/Permit #: | Well Class: |
| Field: | | Lease: McClellan | | Rig Name/# : HIGHLAND RIG 8 | |
| Wellbore Information | | | | | |
| Bit Size (Inches): 17.5 | Well MD (ft): | Well TVD (ft): 1277 | BHST (F°): | BHCT (F°): | Deviation (°): |
| Drilling Fluid Type: | Drilling Fluid Density (ppg): | | Packer Depth (ft): | Treating Down: | |
| Previous Casing/Liner | | | | | |
| Size (Inches): 24 | Weight (lb/ft): | Thread: | Grade: | Total Footage (ft): 55 | |
| Casing/Liner/Tubing | | | | | |
| Size (Inches): 13.625 | Weight (lb/ft): 54.5 | Thread: | Grade: J55 LTC | Total Footage (ft): 1210 | |
| Job | | | | | |
| Job Type: Intermediate | | Connection to Well: YES | | Top Plug: YES | |
| Lift Pressure (PSI): 480 | Max Annulus Pressure (PSI): | | Mix Water Temp (F°): | Bottom Plug: No | |
| Casing/Tubing Secured : YES | Pipe Rotated: No | Cement Return to Surface (bbl): 50 | | Top Job (bbl): | |
| Pipe Reciprocated : No | Circulation Lost: No | Job Completed: YES | | | |

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Ticket #:
0

Remit to:
Lightning Energy Services
104 Heliport Loop Road
Bridgeport, WV 26330

| Job Times | | | | |
|-----------|----------|------------|----------|----------|
| Date: | On Loc: | Job Start: | Job End: | Off Loc: |
| | 06/12/19 | | | 06/12/19 |
| Time: | 11:00am | 5:00pm | 7:39pm | 9:00pm |

| Customer and Well Information | | | | | |
|--------------------------------|-------------------------------|----------------------------|---------------------------------------|--------------------------------|-------------------|
| Customer: NORTHEAST | | Well Name: McClellan | | Well #: 9H | Well Type: GAS |
| County: | State: WV | AFE #/API #: | | PO #/Permit #: | Well Class: |
| Field: | | Lease: McClellan | | Rig Name/# : HIGHLAND RIG 8 | |
| Wellbore Information | | | | | |
| Bit Size (Inches): 12.25 | Well MD (ft): | Well TVD (ft): 2968 | BHST (F°): | BHCT (F°): | Deviation (°): |
| Drilling Fluid Type: | Drilling Fluid Density (ppg): | | Packer Depth (ft): | Treating Down: | |
| Previous Casing/Liner | | | | | |
| Size (Inches): 13.375 | Weight (lb/ft): 54.5 | Thread: | Grade: | Total Footage (ft): 1210 | |
| Casing/Liner/Tubing | | | | | |
| Size (Inches): 9.625 | Weight (lb/ft): 40 | Thread: | Grade: | Total Footage (ft): 2918 | |
| Job | | | | | |
| Job Type: Intermediate | | Connection to Well: YES | | Top Plug: YES | |
| Lift Pressure (PSI): 1670 | Max Annulus Pressure (PSI): | | Mix Water Temp (F°): | Bottom Plug: No | |
| Casing/Tubing Secured : YES | | Pipe Rotated: No | Cement Return to Surface (bbl): 43 | Top Job (bbl): | |
| Pipe Reciprocated : No | Circulation Lost: No | Job Completed: YES | | | |

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Cement Job Log



| | | |
|---|---------------------------------|--|
| Customer: NORTHEAST NATURAL ENERGY LLC | Date: 14-Mar-20 | Serv. Supervisor: Michael Franco |
| Cust. Rep.: | Ticket #: BPA-2004-0024 | Serv. Center: Black Lick - 1671 |
| Well Name: McClellan 9H | API Well #: 47-061-01820 | County: Monongalia State: WV |
| Well Type: | Rig: Patterson 339 | Type of Job: CM-PROD. CASING |

Materials Furnished by NexTier

| Plugs | Casing Hardware | Physical Slurry Properties | | | | | | |
|---------------------------|---|----------------------------|------------------------|--------|-----------------|--------------------|---------------------|------------------|
| | | Sacks of Cement | Fluid Density (lb/gal) | Excess | Yield (cuft/sk) | Mix Water (gal/sk) | Fluid Volume (bbls) | Mix Water (bbls) |
| 13.5 PPG PureScrub Spacer | +7.0 PPB CJX157011+40.0 PPB CJ111+1.0 GPB CJ885 | | 13.5 | | | | 113.00 | |
| 14.5 PPG Cement | 50 % CJ910+50 % CJ010-74 +0.2 % CJX157011+0.25 % CJ213+0.1 % CJ405+0.15 % CJ504+0.15 % CJ540 | 4300 | 14.5 | | 1.16 | 4.89 | 886.12 | 501 |
| Displacement | | | 8.33 | | | | 525.97 | |
| 0 | | | | | | | | |
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Displacement Chemicals:

| OPEN HOLE DATA | | | | TUBULAR DATA | | | | | | |
|-----------------------------------|-----------|--------------------------------|------------|--------------|-----|------------|-------|---------|-------------|----------------|
| 8.75 in. O.H. (2,928 to 5,200 ft) | | 5.5 in. 20#, (0 to 23,797 ft) | | SIZE WEIGHT | THR | DEPTH (ft) | GRADE | ID (in) | BURST (psi) | COLLAPSE (psi) |
| Mix Cemt. Temperature *F | Lead Temp | Middle Temp. | Tail Temp. | 5.5 20# | BTC | 23831 | P-110 | 4.778 | 12640 | 11080 |
| 61.0 *F | | | | | | | | | | |

| PREVIOUS CASING DATA | PERFORATED INTERVAL DATA | | | | CASING EQUIPMENT DEPTHS | | | |
|--------------------------------|--------------------------|----------|------|----|-------------------------|-------|-------|-----|
| 9.625 in. 40# (0 to 2,928 ft) | Chlorides | Sulfates | Temp | PH | SHOE | FLOAT | STAGE | ACP |
| | 3 ppm | <200 | 50 | 6 | 23831 | 23821 | | |
| | | | | | | | | |

| WELL FLUID | | | DISPLACEMENT FLUID | | | DIFF PRESS | CSG LIFT | MAX PRESS | Total Number of Runs | WATER ON LOC (bbl) |
|------------|----------|-----------|--------------------|---------|-------|------------|----------|-----------|----------------------|--------------------|
| TYPE | DENSITY | VOLUME | TYPE | DENSITY | (psi) | (psi) | (psi) | | | |
| OBM | 12.3 ppg | 526.4 bbl | H2O | 8.3 ppg | 2440 | 16330 | 6000 | 1 | | 2500 |

| Bumped Plug | Final Differential (psi) | Floats Held (Y/N) | PSI Left on Casing | Cement to Surface (bbl) | Top of Cement (ft) | Full Circ. During Job (Y/N) | Max Pump Pressure (psi) | Casing Rotation | Standby Charged(hrs) | Casing Reciproaction | RECEIVED |
|-------------|--------------------------|-------------------|--------------------|-------------------------|--------------------|-----------------------------|-------------------------|-----------------|----------------------|----------------------|-----------------------|
| Yes | 3,950.00 | Y | - | - | 2,385 | Yes | 6,000.00 | No | - | No | Office of Oil and Gas |

Comments/Special Customer Instructions

| | |
|--|---|
| | <p>Michael Franco Service Supervisor</p> |
| | <p>WV Department of Environmental Protection 14-Mar-20 Date</p> |

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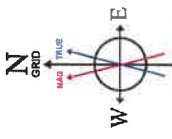
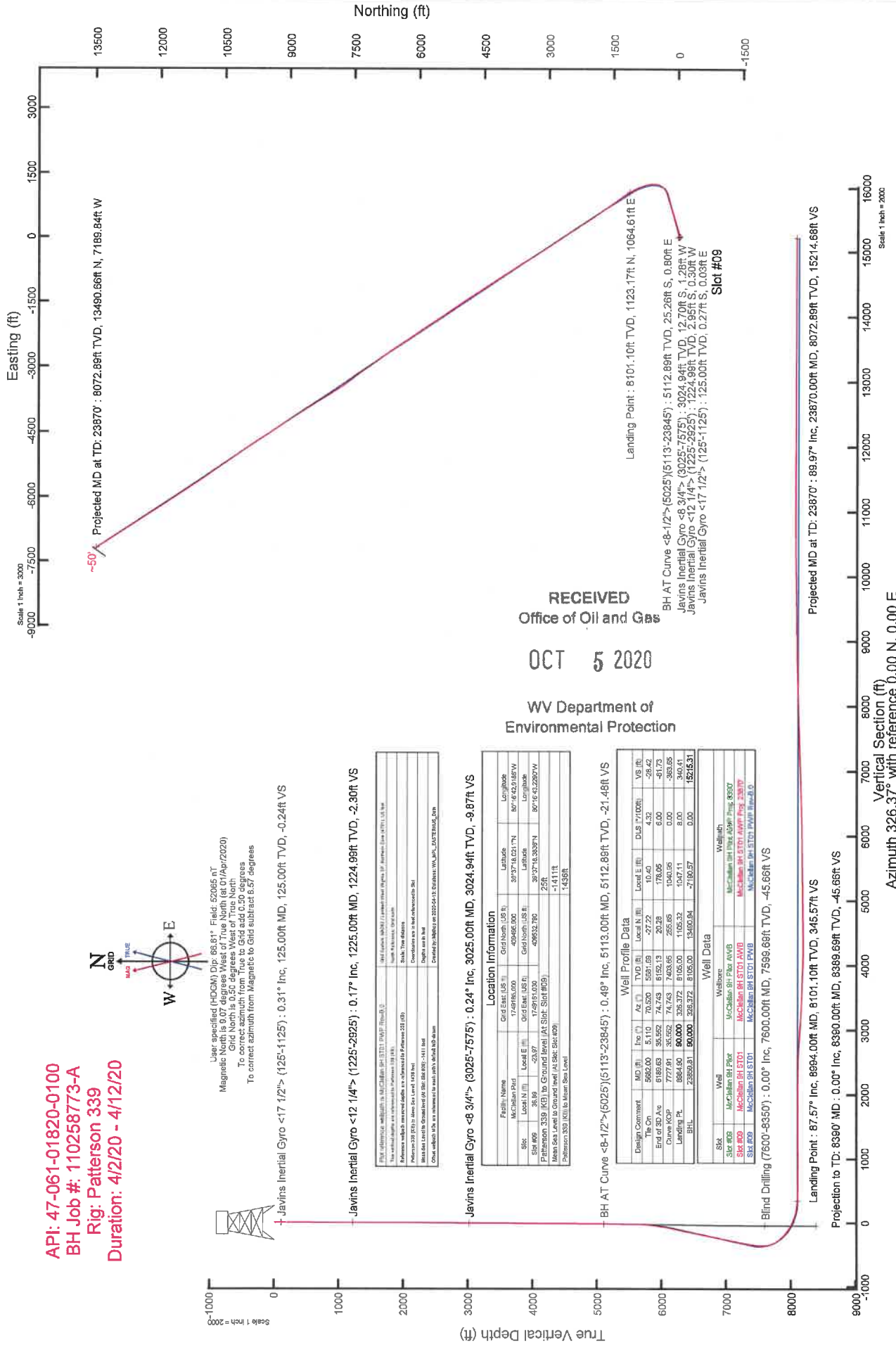


NORTHEAST NATURAL ENERGY, LLC

Location: Monongalia County, WV
 Facility: Monongalia
 Well: McClellan 9H ST01
 Wellbore: McClellan 9H ST01 PWB



API: 47-061-01820-0100
 BH Job #: 110258773-A
 Rig: Patterson 339
 Duration: 4/2/20 - 4/12/20



User specified (HDCM) Dip: 88.51° Field: 52065 nT
 Magnetic North (MAG) is the direction of the Earth's magnetic field (at 01/Apr/2020)
 Grid North (GRID) is 0.00 degrees West add 0.50 degrees
 To correct azimuth from True to Grid add 0.50 degrees
 To correct azimuth from Magnetic to Grid subtract 8.57 degrees

Javins Inertial Gyro <17 1/2"> : 0.31° Inc, 125.00ft MD, 125.00ft TVD, -0.24ft VS

Javins Inertial Gyro <12 1/4"> : 0.17° Inc, 1225.00ft MD, 1224.99ft TVD, -2.30ft VS

| | |
|--------------------------|---|
| Well Information | |
| Well Name | McClellan 9H ST01 PWB |
| Well ID | 9H01 |
| Well Type | Production |
| Well Status | Active |
| Well Depth | 8072.89ft |
| Well Orientation | 80° E |
| Well Completion | Open Hole |
| Well Completion Date | 04/02/2020 |
| Well Completion By | John Doe |
| Well Completion Location | Monongalia County, WV |
| Well Completion Notes | Wellbore is open to surface at 8072.89ft TVD. |

Javins Inertial Gyro <8 3/4"> : 0.24° Inc, 3025.00ft MD, 3024.94ft TVD, -9.87ft VS

| | |
|--|-------------|
| Location Information | |
| Grid East (US) | 49486.900 |
| Grid North (US) | 39374.0217N |
| Local East (ft) | 49486.900 |
| Local North (ft) | 39374.0217N |
| Grid East (US) | 49486.900 |
| Grid North (US) | 39374.0217N |
| Local East (ft) | 49486.900 |
| Local North (ft) | 39374.0217N |
| Mean Sea Level to Ground Level (At Slot: Slot #09) | -1411.11 |
| Patterson 339 (Kil) to Mean Sea Level | 1435R |

BH AT Curve <8-1/2"> : 0.49° Inc, 5113.00ft MD, 5112.89ft TVD, -21.48ft VS

| | | | | | | | |
|-------------------|------|----------|------|----------|---------|--------------|---------|
| Well Profile Data | | | | | | | |
| MD (ft) | 5113 | ASZ (ft) | 5113 | TVD (ft) | 5112.89 | DLS % (100%) | VS (ft) |
| Design Comment | 5113 | ASZ (ft) | 5113 | TVD (ft) | 5112.89 | DLS % (100%) | VS (ft) |
| The On | 5113 | ASZ (ft) | 5113 | TVD (ft) | 5112.89 | DLS % (100%) | VS (ft) |
| End of 3D Arc | 5113 | ASZ (ft) | 5113 | TVD (ft) | 5112.89 | DLS % (100%) | VS (ft) |
| Curve KCP | 5113 | ASZ (ft) | 5113 | TVD (ft) | 5112.89 | DLS % (100%) | VS (ft) |
| Landing Pt. | 5113 | ASZ (ft) | 5113 | TVD (ft) | 5112.89 | DLS % (100%) | VS (ft) |
| BHL | 5113 | ASZ (ft) | 5113 | TVD (ft) | 5112.89 | DLS % (100%) | VS (ft) |

| | |
|-----------|-----------------------|
| Well Data | |
| Slot | Wellbore |
| Slot #09 | McClellan 9H ST01 PWB |
| Slot #01 | McClellan 9H ST01 PWB |
| Slot #02 | McClellan 9H ST01 PWB |
| Slot #03 | McClellan 9H ST01 PWB |
| Slot #04 | McClellan 9H ST01 PWB |
| Slot #05 | McClellan 9H ST01 PWB |
| Slot #06 | McClellan 9H ST01 PWB |
| Slot #07 | McClellan 9H ST01 PWB |
| Slot #08 | McClellan 9H ST01 PWB |
| Slot #09 | McClellan 9H ST01 PWB |

Landing Point : 87.57° Inc, 8994.00ft MD, 8101.10ft TVD, 345.57ft VS

Projection to TD: 8390' MD : 0.00° Inc, 8390.00ft MD, 8389.69ft TVD, -45.68ft VS

Blind Drilling (7600-8350) : 0.00° Inc, 7600.00ft MD, 7599.69ft TVD, -45.68ft VS

Projected MD at TD: 23870' : 89.97° Inc, 23870.00ft MD, 8072.89ft TVD, 15214.68ft VS

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Vertical Section (ft)
Azimuth 326.37° with reference 0.00 N, 0.00 E

Scale 1 inch = 2000

Hydraulic Fracturing Fluid Product Component Information Disclosure

| | |
|--------------------------------|------------------------------|
| Job Start Date: | 5/8/2020 |
| Job End Date: | 5/28/2020 |
| State: | West Virginia |
| County: | Monongalia |
| API Number: | 47-061-01820-00-00 |
| Operator Name: | Northeast Natural Energy LLC |
| Well Name and Number: | McClellan 9H |
| Latitude: | 39.62177300 |
| Longitude: | -80.27867500 |
| Datum: | NAD83 |
| Federal Well: | NO |
| Indian Well: | NO |
| True Vertical Depth: | 8,858 |
| Total Base Water Volume (gal): | 23,751,290 |
| Total Base Non Water Volume: | 86,517 |



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 | NNE | Carrier/Base Fluid | Water | 7732-18-5 | 100.00000 | 86.57300 | None |
| Sand (Proppant) | Producers Service Corp | Proppant | | | | | |
| StimSTREAM FR 9800 | Producers Service Corp | Friction Reducer | Silica Substrate | 14808-60-7 | 100.00000 | 13.09755 | None |
| | | | copolymer of 2-propenamide | Proprietary | 30.00000 | 0.01604 | None |
| | | | Petroleum Distillate | 64742-47-8 | 20.00000 | 0.01070 | None |
| | | | Oleic Acid Diethanolamide | 93-83-4 | 2.00000 | 0.00107 | None |
| | | | Alcohols, C12-16, ethoxylated | 68551-12-2 | 2.00000 | 0.00107 | None |
| | | | Ammonium chloride ((NH4)Cl) | 12125-02-9 | 1.00000 | 0.00053 | None |
| StimStream SC-404 | Producers Service Corp | Scale Inhibitor | | | | | |
| | | | Non-Hazardous substances | Proprietary | 85.00000 | 0.01808 | None |
| | | | Bis(Hexamethylene Triamine Penta) (BHMT) | 34690-00-1 | 5.00000 | 0.00106 | None |
| | | | Citric acid | 77-92-9 | 5.00000 | 0.00106 | None |
| | | | 2-Phosphono-1,2,4-butanetricarboxylic acid (PBTC) | 37971-36-1 | 5.00000 | 0.00106 | None |

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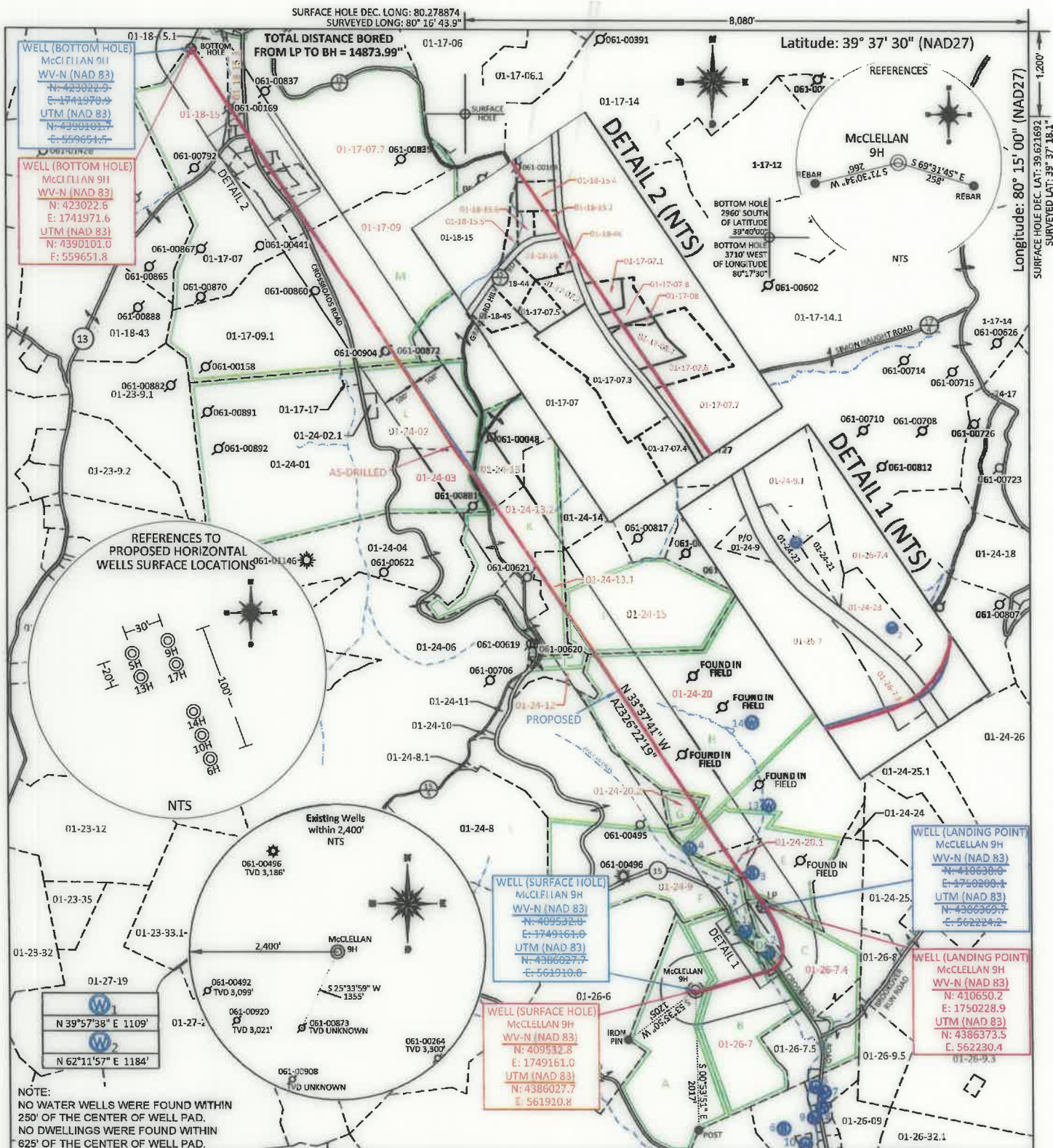
| | | | | | | | | | | |
|--|------------------------|------------------------|---|-------------|--|----------|---------|------|--|--|
| Clearal 268 | Producers Service Corp | Biocide | Non-Hazardous substances | Proprietary | | | | | | |
| | | | Glutaraldehyde | 111-30-8 | | 80.00000 | 0.01439 | None | | |
| | | | Didecyl dimethyl ammonium chloride | 7173-51-5 | | 20.00000 | 0.00386 | None | | |
| | | | Quaternary Ammonium Compounds | 68424-85-1 | | 3.00000 | 0.00054 | None | | |
| | | | Ethanol | 64-17-5 | | 3.00000 | 0.00054 | None | | |
| 7.5% HCL | Producers Service Corp | Acidizing | Hydrochloric Acid | 7647-01-0 | | 1.50000 | 0.00027 | None | | |
| 4-N-1 | Producers Service Corp | Inhibitor | | | | 7.50000 | 0.01768 | None | | |
| | | | Acetic acid | 64-19-7 | | 90.00000 | 0.00084 | None | | |
| | | | Methanol | 67-56-1 | | 10.00000 | 0.00009 | None | | |
| | | | 2-Ethylhexanol | 104-76-7 | | 10.00000 | 0.00009 | None | | |
| | | | Cocamide Diethanolamine | 68603-42-9 | | 5.00000 | 0.00003 | None | | |
| | | | Diethanolamine | 111-42-2 | | 1.00000 | 0.00001 | 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. | | | | | | | | | | |
| Other Chemical(s) | Listed Above | See Trade Name(s) List | | | | | | | | |
| | | | Non-Hazardous substances | Proprietary | | 85.00000 | 0.01808 | | | |
| | | | Non-Hazardous substances | Proprietary | | 80.00000 | 0.01439 | | | |
| | | | Petroleum Distillate | 64742-47-8 | | 20.00000 | 0.01070 | | | |
| | | | Alcohols, C12-16, ethoxylated | 68551-12-2 | | 2.00000 | 0.00107 | | | |
| | | | Oleic Acid Diethanolamide | 93-83-4 | | 2.00000 | 0.00107 | | | |
| | | | 2-Phosphono-1,2,4-butanetricarboxylic acid (PBTC) | 37971-36-1 | | 5.00000 | 0.00106 | | | |
| | | | Citric acid | 77-92-9 | | 5.00000 | 0.00106 | | | |
| | | | Didecyl dimethyl ammonium chloride | 7173-51-5 | | 3.00000 | 0.00054 | | | |
| | | | Quaternary Ammonium Compounds | 68424-85-1 | | 3.00000 | 0.00054 | | | |
| | | | Ammonium chloride ((NH4)Cl) | 12125-02-9 | | 1.00000 | 0.00053 | | | |
| | | | Ethanol | 64-17-5 | | 1.50000 | 0.00027 | | | |
| | | | Methanol | 67-56-1 | | 10.00000 | 0.00009 | | | |
| | | | 2-Ethylhexanol | 104-76-7 | | 10.00000 | 0.00009 | | | |
| | | | Cocamide Diethanolamine | 68603-42-9 | | 5.00000 | 0.00005 | | | |
| | | | Diethanolamine | 111-42-2 | | 1.00000 | 0.00001 | | | |

* Total Water Volume sources may include fresh water, produced water, and/or 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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FILE #: NNE14
 DRAWING #: 2850
 SCALE: PLAT: 1" = 2000'
TRICK: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/200
 PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

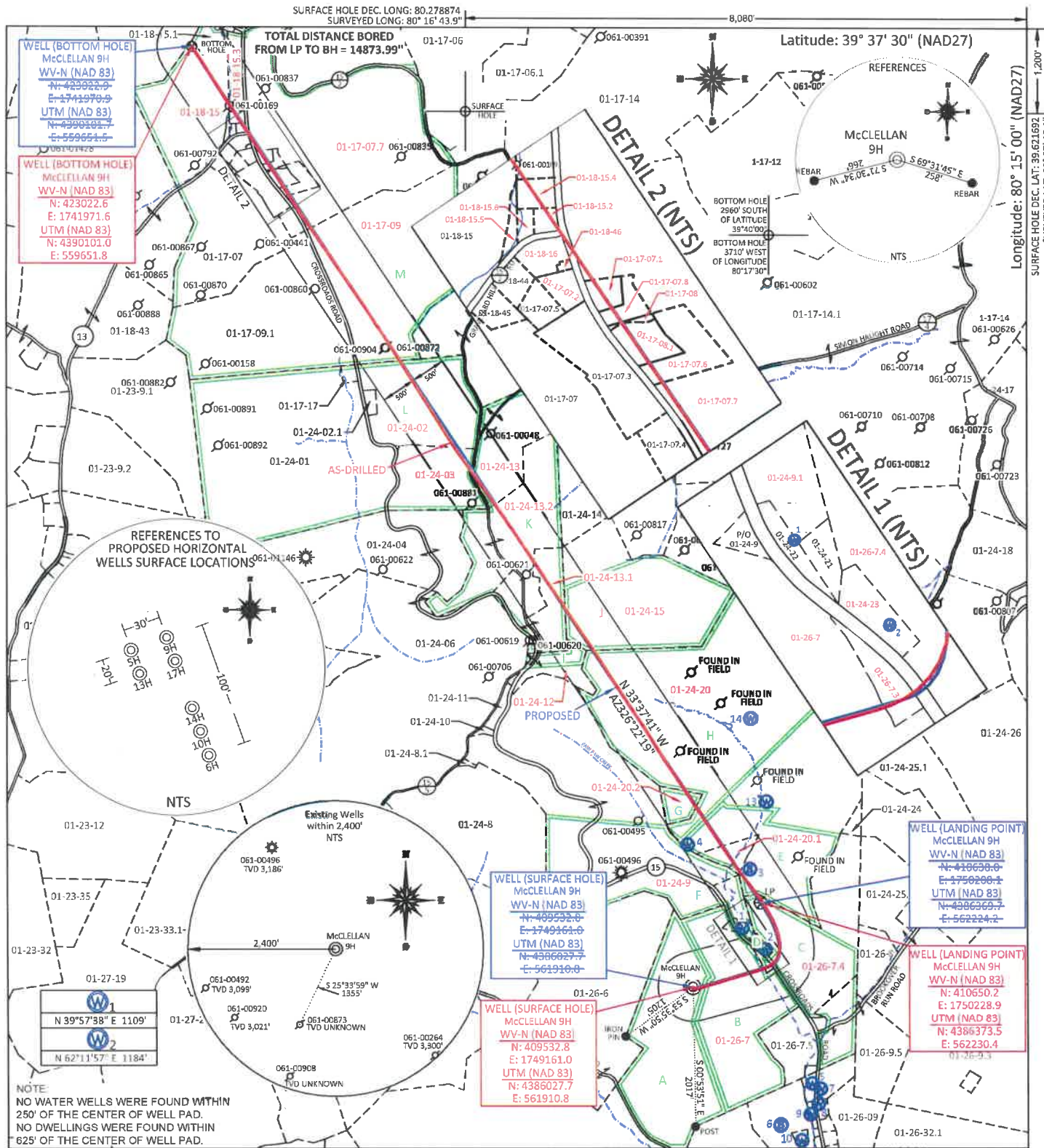
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
 Signed: [Signature]
 L.L.S. #2124 : Ernest J. Benchek III



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304
 Well Type: Oil Waste Diposal Production Deep
 Gas Liquid Injection Storage Shallow
 WATERSHED: UPPER MONONGAHELA
 COUNTY/DISTRICT: MONONGALIA / BATTELLE
 SURFACE OWNER: ALYCEMARIE MCCLELLAN & MICHELLE D. MOORE
 OIL & GAS ROYALTY OWNER: Barbara June Sutton, 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: JULY 10, 2020
 OPERATOR'S WELL #: McCLELLAN 9H AS-DRILLED
 API WELL #: 47 61 01820
STATE COUNTY PERMIT
 AS-BUILT ELEVATION: 1,411.7'
 QUADRANGLE: MANNINGTON
 ACREAGE: 1098.86 +/-
 ACREAGE: 129.4 +/-
 ESTIMATED DEPTH: TVD: 8,072' TMD: 23,870'
 DESIGNATED AGENT: JOHN ADAMS
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

NOTE:
 NO WATER WELLS WERE FOUND WITHIN 250' OF THE CENTER OF WELL PAD.
 NO DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF WELL PAD.



FILE #: NNE14
 DRAWING #: 2850
 SCALE: PLAT: 1" = 2000'
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 Disposal Production Deep
 Gas Liquid Injection Storage Shallow
 WATERSHED: UPPER MONONGAHELA
 COUNTY/DISTRICT: MONONGALIA / BATTLETT
 SURFACE OWNER: ALYCEMARIE MCCLELLAN & MICHELLE D. MOORE
 OIL & GAS ROYALTY OWNER: Barbara June Sutton, 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: JULY 10, 2020
 OPERATOR'S WELL #: MCCLELLAN 9H AS-DRILLED
 API WELL #: 47 61 01820
 STATE COUNTY PERMIT
 AS-BUILT ELEVATION: 1,411.7'
 QUADRANGLE: MANNINGTON
 ACREAGE: 1098.86 +/-
 ACREAGE: 129.4 +/-
 ESTIMATED DEPTH: TVD: 8,072' TMD: 23,870'
 DESIGNATED AGENT: JOHN ADAMS
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301