

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

API 47 - 061 - 01942 County Monongalia District Battelle
Quad Wadestown Pad Name Phoenix Field/Pool Name _____
Farm name Charles Wendell Moore & Frank M Chisler Well Number 9H
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 4388200.4 Easting 562460.4
Landing Point of Curve Northing 4388793.1 Easting 563070.6
Bottom Hole Northing 4391658.1 Easting 561093.2

Elevation (ft) 1,503' 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 - 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 11/3/23 Date drilling commenced 9/28/23 Date drilling ceased 12/24/23
Date completion activities began 2/6/24 Date completion activities ceased 3/12/24
Verbal plugging (Y/N) NA Date permission granted _____ Granted by _____

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

Freshwater depth(s) ft 1,360 Open mine(s) (Y/N) depths Y, Federal #2 @1,230
Salt water depth(s) ft 2,760' Void(s) encountered (Y/N) depths _____
Coal depth(s) ft 1,230 Cavern(s) encountered (Y/N) depths _____
Is coal being mined in area (Y/N) N

APPROVED

Reviewed by:

[Signature]

05/30/2025

API 47- 061 - 01942 Farm name Charles Wendell Moore & Frank M Chisler 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	32"	24"	100'	N		NA	N
Surface	17-1/2"	13-3/8"	1,514'	N	54.5	222	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2,828'	N	J-55/36	2494	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"	5-1/2"	20,696'	N	P-110/20	NA	N
Tubing							
Packer type and depth set							

Comment Details Casing depths based on KB elevation.

Permit approved to set FW casing to cover Red Rock Formation.

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	A Common	254	15.6			CTS	48
Surface	L, NCM-956	1365	15.6	1.14	1,550	CTS	8
Coal							
Intermediate 1	L, NCM-956	1060	15.6	1.13	1,195	CTS	8
Intermediate 2							
Intermediate 3							
Production	L, NCM-956	3795	14.5	1.16	4,395	2,077	48
Tubing							

Drillers TD (ft) 20,733' Loggers TD (ft) 20,708'

Deepest formation penetrated Marcellus Plug back to (ft) NA

Plug back procedure _____

Kick off depth (ft) 8,130'

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: Single piece bowspring centralizers placed every joint (~40') from TD to surface

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WAS WELL COMPLETED AS SHOT HOLE ☒ Yes ☐ No DETAILS _____

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WAS WELL COMPLETED OPEN HOLE? ☐ Yes ☒ No DETAILS _____

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

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PERFORATION RECORD

Please insert additional pages as applicable.

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PRODUCING FORMATION(S)	DEPTHS
Marcellus	8,183 TVD 20,733 MD

Please insert additional pages as applicable.

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

SHUT-IN PRESSURE Surface 3605 psi Bottom Hole 5163 psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 7182 mcfpd Oil bpd NGL bpd Water bpd GAS MEASURED BY ☐ Estimated ☒ Orifice ☐ Pilot

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

Please insert additional pages as applicable.

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

Logging Company Baker Hughes
Address 837 Phillippi Pike City Clarksburg State PA Zip 26301

Cementing Company NexTier
Address 730 Braddock View Drive City Lemont Furnace State PA Zip 15456

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

Please insert additional pages as applicable.

Completed by Hollie Medley Telephone 304-212-0422
Signature Hollie Medley Title Regulatory Manager Date 4-7-25

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

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506 07

Phoenix 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	2/6/2024	4,132		9,332	87	425	9,606	301,240	461
2	2/7/2024	5,056	6,704	9,745	91	479	9,626	455,600	467
3	2/7/2024	4,919	5,602	9,427	87	109	9,723	455,189	449
4	2/7/2024	5,241	7,180	9,711	93	55	9,583	455,647	452
5	2/8/2024	5,278	7,230	9,548	90	55	9,691	455,125	467
6	2/9/2024	7,037	5,513	9,758	92	69	9,664	455,115	441
7	2/9/2024	5,301	6,821	9,654	94	22	9,653	455,184	436
8	2/10/2024	6,109	6,920	9,524	90	31	9,588	455,161	425
9	2/10/2024	5,513	6,777	9,646	91	41	9,655	455,056	423
10	2/11/2024	5,413	6,875	9,562	88	83	9,598	455,091	415
11	2/12/2024	4,789	6,467	9,366	90	20	9,585	455,208	411
12	2/12/2024	5,449	6,172	9,409	91	50	9,665	455,023	407
13	2/13/2024	5,352	6,236	9,359	92	47	9,594	455,073	402
14	2/14/2024	5,463	6,572	9,494	94	72	9,650	455,061	398
15	2/14/2024	5,622	9,903	9,565	93	76	9,604	455,109	405
16	2/15/2024	7,030	6,639	9,449	93	12	9,606	455,445	396
17	2/16/2024	6,813	6,848	9,551	94	157	9,771	455,412	395
18	2/17/2024	5,311	6,632	9,344	91	52	9,645	455,059	388
19	2/17/2024	5,528	6,820	9,082	92	57	9,599	455,117	381
20	2/18/2024	5,906	6,844	9,252	91	60	9,576	455,112	376
21	2/19/2024	6,379	6,799	9,438	94	15	9,585	455,409	376
22	2/20/2024	5,141	6,510	9,345	91	65	9,577	455,169	364
23	2/20/2024	5,327	6,912	9,213	91	23	9,597	455,107	364
24	2/21/2024	5,952	6,824	9,303	93	31	9,590	455,421	361
25	2/21/2024	5,607	6,414	9,070	91	64	9,591	455,007	350
26	2/22/2024	6,006	6,656	9,344	94	19	9,575	455,440	352
27	2/23/2024	6,777	7,107	9,396	93	15	9,568	455,357	358
28	2/24/2024	6,618	6,452	8,781	94	19	9,512	455,250	336
29	2/24/2024	6,683	6,980	9,339	94	13	10,086	413,802	344
30	2/25/2024	7,332	6,745	9,338	94	19	9,527	455,417	336
31	2/26/2024	5,742	6,712	8,950	93	26	9,528	455,070	324
32	2/26/2024	6,056	6,836	9,241	93	15	9,520	455,032	320
33	2/27/2024	6,430	6,569	9,216	93	7	9,540	455,365	339
34	2/28/2024	5,975	6,410	9,299	91	7	9,969	455,120	310
35	2/28/2024	5,481	6,366	8,992	93	21	9,478	455,221	306
36	2/29/2024	5,133	6,800	8,898	93	40	9,470	455,164	302
37	2/29/2024	4,996	6,111	8,683	93	16	9,460	455,230	298
38	3/1/2024	5,592	6,190	8,856	94	13	9,447	455,140	289
39	3/1/2024	5,410	6,137	8,641	94	10	9,451	455,102	289
40	3/1/2024	5,438	6,312	8,643	92	33	9,453	455,104	284
41	3/1/2024	5,060	5,937	8,412	94	38	9,441	455,120	280
42	2/6/2024	5,975	5,874	8,420	94	9	9,465	455,262	295
43	3/2/2024	5,295	4,179	8,402	90	41	9,448	455,077	270
44	3/3/2024	5,021	6,383	8,349	93	33	10,153	455,214	266
45	3/3/2024	4,992	6,906	8,593	93	5	9,537	455,130	261

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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)
46	2/26/2024	5,650	6,070	8,429	93	38	9,430	443,430	451
47	3/5/2024	5,034	6,176	8,359	94	6	9,436	455,134	287
48	3/5/2024	5,273	6,340	8,219	94	55	9,495	455,116	248
49	3/6/2024	5,857	6,971	8,453	94	7	9,405	455,078	245
50	3/6/2024	5,183	6,736	8,492	94	14	9,407	455,100	239
51	3/7/2024	5,989	6,946	8,060	93	35	9,416	455,022	236
52	3/8/2024	5,054	7,064	8,296	93	90	9,515	455,108	240
53	3/8/2024	5,109	6,964	8,270	93	29	9,398	455,115	233
54	3/9/2024	5,142	6,699	8,247	93	34	9,465	455,642	232
55	3/10/2024	4,778	6,699	8,273	94	73	9,427	455,173	232
56	3/10/2024	5,081	6,602	8,245	93	70	9,468	455,157	215
57	3/11/2024	4,778	6,859	8,380	94	27	9,408	455,164	211
58	3/12/2024	5,494	7,002	8,456	94	50	9,393	455,051	205
59	3/12/2024	5,149	7,250	8,224	92	120	9,516	455,182	204

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Phoenix 9H Perforation Report				
Stage Number	Report Date	Total Shots	Cluster 1 Top TD	Cluster 5 Bottom TD
1	2/6/2024	40		20,587
2	2/7/2024	40	20,546	20,388
3	2/7/2024	40	20,347	20,190
4	2/7/2024	40	20,148	19,991
5	2/8/2024	40	19,949	19,792
6	2/9/2024	40	19,750	19,593
7	2/9/2024	40	19,551	19,394
8	2/10/2024	40	19,353	19,196
9	2/10/2024	40	19,154	18,997
10	2/11/2024	40	18,955	18,798
11	2/12/2024	40	18,756	18,599
12	2/12/2024	40	18,557	18,400
13	2/13/2024	40	18,359	18,201
14	2/14/2024	40	18,160	18,003
15	2/14/2024	40	17,961	17,804
16	2/15/2024	40	17,762	17,605
17	2/16/2024	40	17,563	17,406
18	2/17/2024	40	17,364	17,207
19	2/17/2024	40	17,166	17,009
20	2/18/2024	40	16,967	16,810
21	2/19/2024	40	16,768	16,611
22	2/20/2024	40	16,569	16,412
23	2/20/2024	40	16,370	16,213
24	2/21/2024	40	16,171	16,014
25	2/21/2024	40	15,973	15,816
26	2/22/2024	40	15,774	15,617
27	2/23/2024	40	15,575	15,418
28	2/24/2024	40	15,376	15,219
29	2/24/2024	40	15,177	15,020
30	2/25/2024	40	14,979	14,822
31	2/26/2024	40	14,780	14,623
32	2/26/2024	40	14,581	14,424
33	2/27/2024	40	14,382	14,225
34	2/28/2024	40	14,183	14,026
35	2/28/2024	40	13,984	13,827
36	2/29/2024	40	13,786	13,629
37	2/29/2024	40	13,587	13,430
38	3/1/2024	40	13,388	13,231
39	3/1/2024	40	13,189	13,032
40	3/1/2024	40	12,990	12,833
41	3/1/2024	40	12,792	12,635
42	2/6/2024	40	12,593	12,436
43	3/2/2024	40	12,394	12,237
44	3/3/2024	40	12,195	12,038
45	3/3/2024	40	11,996	11,839
46	2/26/2024	40	11,797	11,640
47	3/5/2024	40	11,599	11,442

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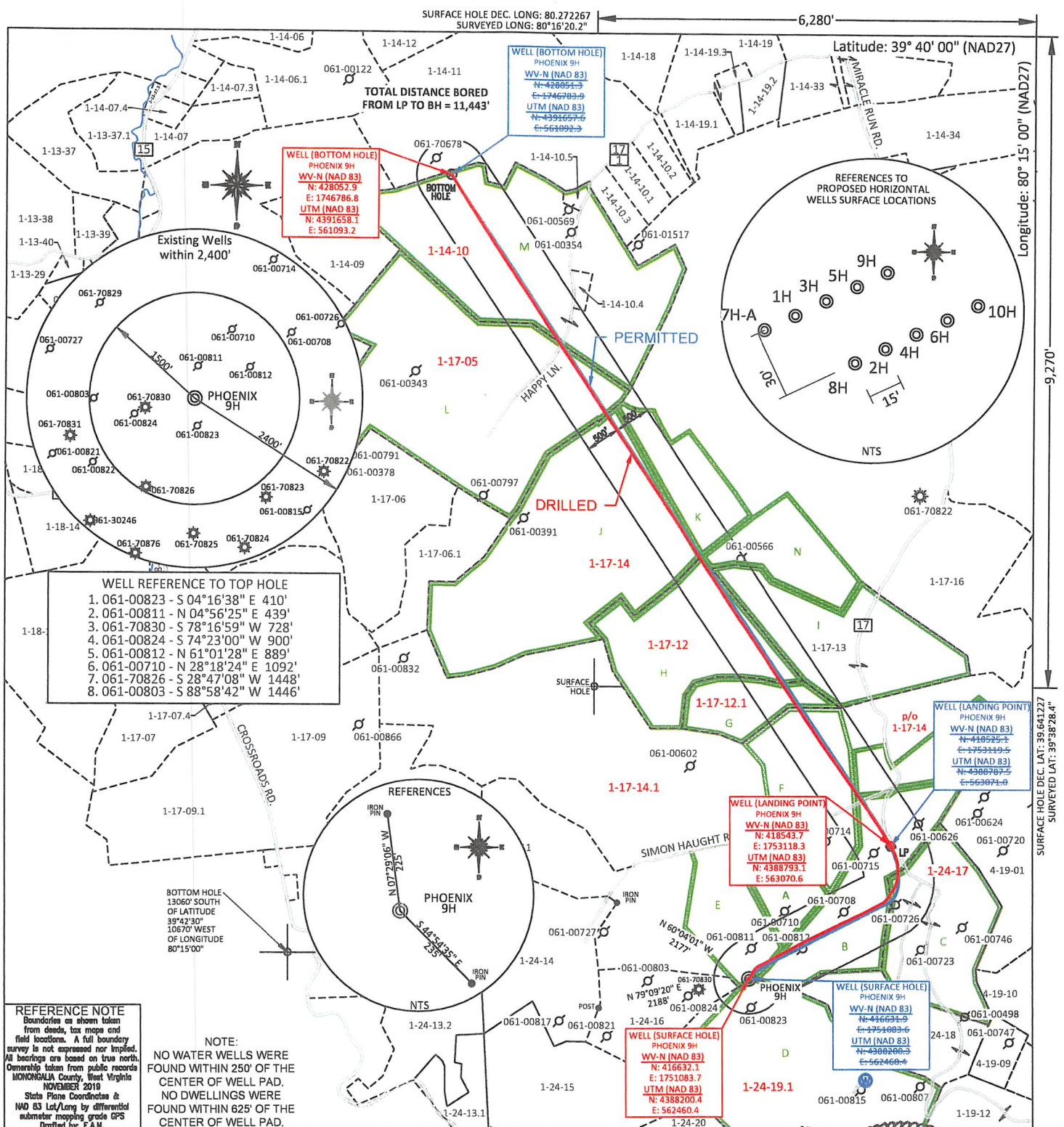
05/30/2025

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Stage Number	Report Date	Total Shots	Cluster 1 Top TD	Cluster 5 Bottom TD
48	3/5/2024	40	11,400	11,243
49	3/6/2024	40	11,201	11,044
50	3/6/2024	40	11,002	10,845
51	3/7/2024	40	10,803	10,646
52	3/8/2024	40	10,605	10,447
53	3/8/2024	40	10,406	10,249
54	3/9/2024	40	10,207	10,050
55	3/10/2024	40	10,008	9,851
56	3/10/2024	40	9,809	9,652
57	3/11/2024	40	9,610	9,453
58	3/12/2024	40	9,412	9,255
59	3/12/2024	40	9,213	9,056

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FILE #: <u>NNE16</u> DRAWING #: <u>3033</u> SCALE: <u>PLAT: 1" = 2000'</u> <u>TICK: 1" = 2000'</u> MINIMUM DEGREE OF ACCURACY: <u>1/200</u> PROVEN SOURCE SUBMETER MAPPING OF ELEVATION: GRADE GPS	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 : <u>Ernest J. Benchek III</u>	
(+) 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: <u>DUNKARD CREEK</u> COUNTY/DISTRICT: <u>MONONGALIA / BATTELLE</u> SURFACE OWNER: <u>CHARLES WENDELL MOORE & FRANK M. CHISLER</u> OIL & GAS ROYALTY OWNER: <u>Pat L. Park, et al</u> 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: <u>MARCELLUS</u> WELL OPERATOR: <u>NORTHEAST NATURAL ENERGY LLC</u> ADDRESS: <u>707 VIRGINIA STREET EAST, SUITE 1200</u> CITY: <u>CHARLESTON</u> STATE: <u>WV</u> ZIP CODE: <u>25301</u> DATE: <u>APRIL 2, 2025</u> OPERATOR'S WELL #: <u>PHOENIX 9H AS-DRILLED</u> API WELL #: <u>47</u> <u>61</u> <u>01942</u> STATE COUNTY PERMIT AS-BUILT ELEVATION: <u>1,503.50'</u> QUADRANGLE: <u>WADESTOWN</u> ACREAGE: <u>466.30 +/-</u> ACREAGE: <u>1,336.618 +/-</u> 05/30/2025		

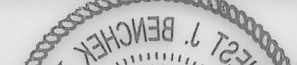
PROPERTY OWNER INDEX	
1-14-10	MICHAEL A & ANITA K BRAGG (LIFE-GEORGE H FOLEY)
1-17-05	KENT A. & SHIRLEY A. LEONHARDT
1-17-12	ERP FEDERAL MINING COMPLEX LLC
1-17-12.1	NANCY MOORE & CATHERINE ANN MOORE
1-17-13	ERP FEDERAL MINING COMPLEX LLC
1-17-14	PHOENIX ENERGY RESOURCES, LLC
1-17-14.1	FRANK M. CHISLER
1-24-17	JOHN RAYMOND & JENNIFER L. HORNSBY MYERS
1-24-19.1	CHARLES WENDELL MOORE

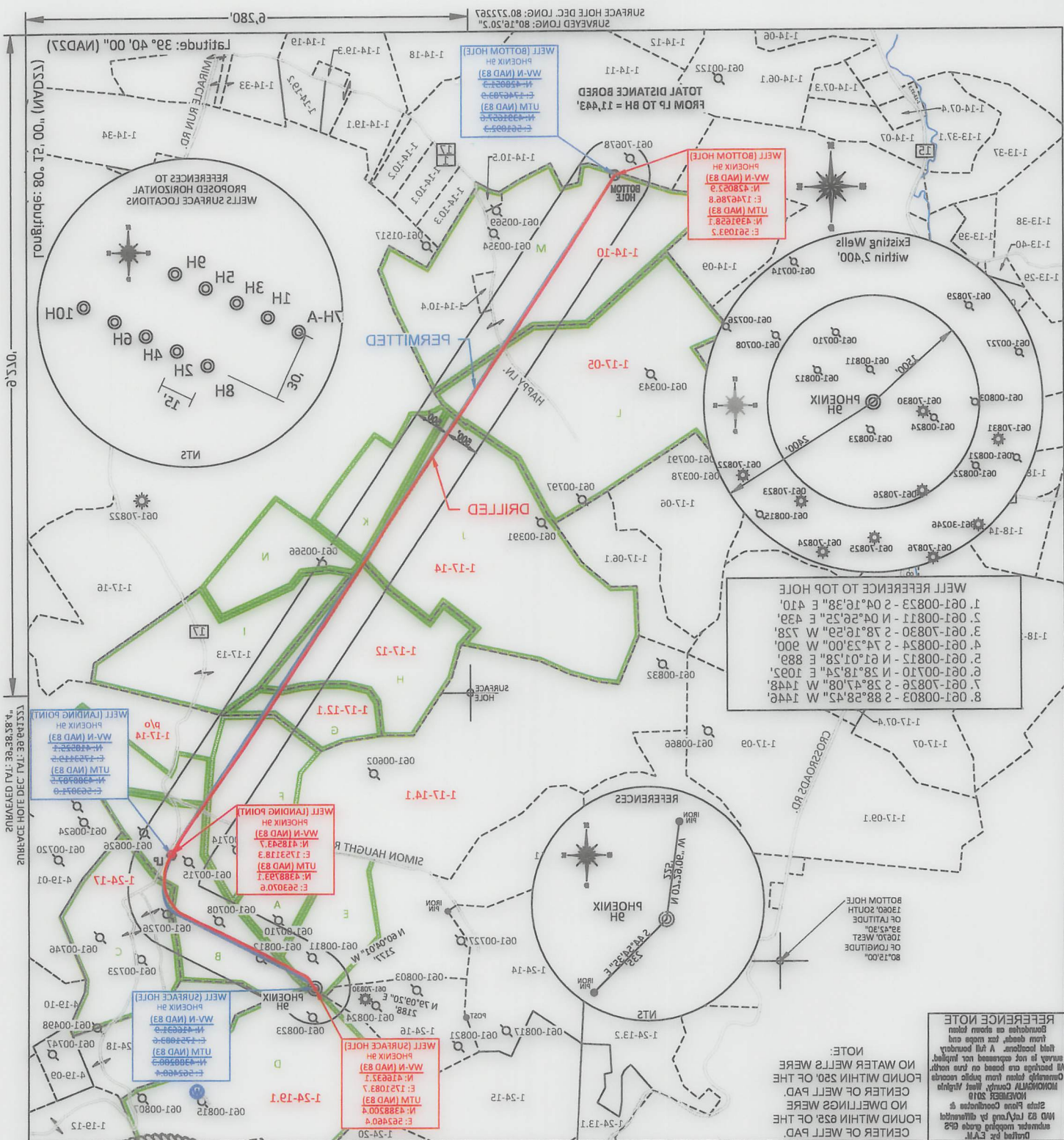
LEASE INDEX			
A	WV-061-004079-002	I	WV-061-003767-004
B	WV-061-003767-004	J	WV-061-004937-006
C	WV-061-005687-001	K	WV-061-004595-003
D	WV-061-004463-001	L	WV-061-005790-003
E	WV-061-004076-010	M	WV-061-004505-001
F	WV-061-004433-001	N	WV-061-004326-018
G	WV-061-004281-002	O	WV-061-003767-004
H	WV-061-004290-001		

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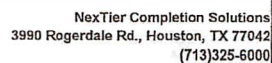
FILE #: <u>NEE14</u> DRAWING #: <u>3033</u> SCALE: <u>N/A</u>	DATE: <u>APRIL 2, 2025</u> OPERATOR'S WELL #: <u>PHOENIX 9H AS-DRILLED</u> API WELL #: <u>47</u> <u>61</u> <u>01942</u> STATECOUNTYPERMIT
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CITY: CHARLESTON STATE: WV ZIP CODE: 25301		CITY: CHARLESTON STATE: WV ZIP CODE: 25301	
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200		ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200	
WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC		WELL OPERATOR: JOHN ADAMS	
TARGET FORMATION: MARCELLUS		DRILLED DEPTH: TVD: 8,183', TMD: 20,733'	
☒ DRILL CONVERT ☐ DRILL DEEPER ☐ REDRILL ☒ FRACTURE OR STIMULATE ☒		☐ PLUG OFF FORMATION ☐ PERFORATE NEW FORMATION ☐ PLUG & ABANDON ☐	
CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐ (SPECIFY):			
LEASE NUMBERS:			
OIL & GAS ROYALTY OWNER: Pat L. Park, et al		ACREAGE: 1,336.618+/-	
SURFACE OWNER: CHARLES WENDELL MOORE & FRANK M. CHISLER		ACREAGE: 466.30 +/-	
COUNTY/DISTRICT: MONONGALIA \ BATTLE		QUADRANGLE: WADDESTOWN	
WATERSHED: DUNKARD CREEK		AS-BUILT ELEVATION: 1,503.50'	
☒ Gas ☐ Liquid Injection ☐ Storage ☐ Shallow		☐ Oil ☐ Waste Disposal ☐ Production ☐ Deep	
CHARLESTON, WV 25304 601 5TH STREET OFFICE OF OIL & GAS WADSWORTH		DATE: APRIL 2, 2025 OPERATOR'S WELL #: PHOENIX 3H A2-DRILLED	

	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.J.S. #2124 : Ernest J. Benchek III	OF ELEVATION: _____ PROVEN SOURCE _____ GRADE GPS _____	MINIMUM DEGREE _____ OF ACCURACY: 1/200	SCALE: _____ TICK: 1" = 2000', PLT: 1" = 2000' DRAWING #: 3033	FILE #: _____ INNE16
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NexTier Completion Solutions
3990 Rogerdale Rd., Houston, TX 77042
(713)325-6000

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Materials Furnished by NexTier

WV Department of
Environmental Protection

TUBULAR DATA

PREVIOUS CASING DATA	
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9.625 in. 36# (0 to 2,800 ft)

WELL FLUID

Service Supervisor

05/30/2025

2026 27

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	02/06/2024
Job End Date:	03/23/2024
State:	West Virginia
County:	Monongalia
API Number:	47-061-01942-00-00
Operator Name:	Northeast Natural Energy LLC
Well Name and Number:	PHOENIX 9H
Latitude:	39.641167
Longitude:	-80.272417
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7012
Total Base Water Volume (gal)*:	23705514
Total Base Non Water Volume:	0



Water Source	Percent
Surface Water, < 1000TDS	85.00%
Other, > 1000TDS	15.00%

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Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Clearal 268	Chemstream	Biocide					
EZ-A 431	TARQUIN	HCL Additive					
HCL Acid (28%)	TARQUIN	Acid					
Sand	US Silica	Proppant					
StimSTREAM FR 9800	Chemstream	Friction Reducer					
StimSTREAM SC 405	Chemstream	Scale Control					
Water	NNE	Carrier/Base Fluid					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	88.03241	None
			Crystalline Silica in the form of Quartz	14808-60-7	99.90000	11.85747	None
			Acrylamide-Chloride Salt of Trimethylammonio-	69418-26-4	40.00000	0.02285	None

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			Ethyl Acrylate Copolymer				
			Alkanes, C12-26- Branched and Linear	90622-53-0	40.00000	0.02285	None
			Hydrogen chloride	7647-01-0	28.00000	0.01104	None
			Glutaraldehyde	111-30-8	20.00000	0.00442	None
			Ethoxylated Alcohols (C12-16)	68551-12-2	5.00000	0.00286	None
			AA/Maleic Anhydride Co-polymer	9003-04-7	5.00000	0.00201	None
			AA/ATBS Co-polymer	9003-05-8	5.00000	0.00201	None
			Quaternary Ammonium Compounds	68424-85-1	3.00000	0.00066	None
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00066	None
			Ethanol	64-17-5	1.50000	0.00033	None
			Methanol	67-56-1	25.00000	0.00004	None
			Pyridinium, 1- (phenylmethyl)-, ethyl methyl derivs., chlorides	68909-18-2	25.00000	0.00004	None
			Proprietary	Proprietary	10.00000	0.00003	None
			Ethanoic Acid	64-19-7	15.00000	0.00003	None
			Ethoxylated Alcohols	68439-50-9	15.00000	0.00003	None
			2-ethylhexanol	104-76-7	5.00000	0.00001	None
			Ethoxylated Nonylphenols	127087-87-0	5.00000	0.00001	None

* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

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

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

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