

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

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AUG 03 2026

WV Department of
Environmental Protection

API 47 - 061 - 02013 County Monongalia District Battelle
Quad Wadestown Pad Name ERP Field/Pool Name _____
Farm name Phoenix Energy Resources, LLC Well Number 11H
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 4391783.7 Easting 562304.1
Landing Point of Curve Northing 4391804.1 Easting 561105.3
Bottom Hole Northing 4397017.8 Easting 557505.3

Elevation (ft) 1,338' 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 8/22/25 Date drilling commenced 11/7/25 Date drilling ceased 3/1/26
Date completion activities began 3/22/26 Date completion activities ceased 5/7/26
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 1236' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 2523' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 665'-669', 734'-739', 1060'-1065', 1229'-1236' 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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CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	32"	24"	100'	New	N/A	N/A	CTS
Surface	17.5"	13.375	1339'	New	J-55/54.5	535.3	Y/58 bbls
Coal							
Intermediate 1	12.25"	9.625	2652'	New	J-55/36	1298.4	N
Intermediate 2							
Intermediate 3							
Production	8.5"	5.5	30185'	New	HP P110/23	NA	Y/200 bbls
Tubing							
Packer type and depth set							

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Comment Details _____

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Cement
Top (MD)

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	WOC (hrs)
Conductor	Class A	272	N/A	1.18	322	CTS
Surface	Class A	1225	15.6	1.20	1470	CTS
Coal						
Intermediate 1	Class A	1035	15.6	1.18	1221.3	1130'
Intermediate 2						
Intermediate 3						
Production	50:50 Class A: POZ	6280	14.5	1.19	7473.2	CTS
Tubing						

Drillers TD (ft) 30,209' Loggers TD (ft) 30,185'

Deepest formation penetrated Marcellus Plug back to (ft) NA

Plug back procedure NA

Kick off depth (ft) 8175'

Check all wireline logs run ☒ caliper ☒ density ☒ deviated/directional ☒ induction
☐ neutron ☒ resistivity ☒ gamma ray ☒ temperature ☒ sonic

Well cored ☐ Yes ☒ No Conventional Sidewall Were cuttings collected ☒ Yes ☐ No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

Surface: Shoe track and every 3rd joint to surface

Intermediate: Shoe track and every 3rd joint to surface

Production: Shoe track and every joint in the lateral to KOP, then every third joint to surface

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

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

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

08/28/2026

API 47-061 - 02013 Farm name Phoenix Energy Resources, LLC Well number 11H

PERFORATION RECORD

[illegible]

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

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PRODUCING FORMATION(S)

DEPTHS

Marcellus 7948' TVD 30209' MD

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Please insert additional pages as applicable.

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

SHUT-IN PRESSURE Surface 3082 psi Bottom Hole 4937 psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 2865 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 Highlands/ Patterson UTI
Address 130 Meadow Ridge Rd Ste 44/ 67090 Executive Dr. City Mt. Morris/ St. Clairsville State PA/OH Zip 15349/43950

Logging Company Baker Hughes
Address 1681 E. Main St. City Bridgeport State WV Zip 26330

Cementing Company NextTier
Address 3990 Rogerdale Rd City Houston State TX Zip 77042

Stimulating Company Evolution
Address 1780 Hughes Landing Blvd. Ste 125 City The Woodlands State TX Zip 77380

Please insert additional pages as applicable.

Completed by Hollie Medley Telephone 304-212-0422
Signature Hollie Medley Title Regulatory Manager Date 7-27-26

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

08/28/2026

ERP 11H				
Perforation Report				
Stage Number	Report Date	Total Shots	Cluster 1 Top TD	Cluster 5 Bottom TD
1	3/22/2026			30,074
2	3/22/2026	40	30,031	29,874
3	3/23/2026	40	29,832	29,674
4	3/23/2026	40	29,632	29,475
5	3/23/2026	40	29,433	29,276
6	3/24/2026	40	29,234	29,077
7	3/24/2026	40	29,035	28,877
8	3/25/2026	40	28,836	28,678
9	3/25/2026	40	28,636	28,479
10	3/26/2026	40	28,437	28,280
11	3/26/2026	40	28,238	28,080
12	3/27/2026	40	28,039	27,881
13	3/27/2026	40	27,839	27,682
14	3/28/2026	40	27,640	27,483
15	3/28/2026	40	27,441	27,283
16	3/28/2026	40	27,242	27,084
17	3/29/2026	40	27,042	26,885
18	3/29/2026	40	26,843	26,686
19	3/30/2026	40	26,644	26,486
20	3/30/2026	40	26,445	26,287
21	3/31/2026	40	26,245	26,088
22	3/31/2026	40	26,046	25,889
23	4/1/2026	40	25,847	25,690
24	4/1/2026	40	25,648	25,490
25	4/2/2026	40	25,448	25,291
26	4/2/2026	40	25,249	25,092
27	4/4/2026	40	25,050	24,893
28	4/4/2026	40	24,851	24,693
29	4/4/2026	40	24,651	24,494
30	4/5/2026	40	24,452	24,295
31	4/5/2026	40	24,253	24,096
32	4/6/2026	40	24,054	23,896
33	4/6/2026	40	23,855	23,697
34	4/7/2026	40	23,655	23,498
35	4/7/2026	40	23,456	23,299
36	4/7/2026	40	23,257	23,099
37	4/8/2026	40	23,058	22,900
38	4/8/2026	40	22,858	22,701
39	4/11/2026	40	22,659	22,502
40	4/11/2026	40	22,460	22,302
41	4/12/2026	40	22,261	22,103
42	4/12/2026	40	22,061	21,904

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43	4/13/2026	40	21,862	21,705
44	4/13/2026	40	21,663	21,505
45	4/14/2026	40	21,464	21,306
46	4/14/2026	40	21,264	21,107
47	4/15/2026	40	21,065	20,908
48	4/15/2026	40	20,866	20,709
49	4/16/2026	40	20,667	20,509
50	4/16/2026	40	20,467	20,310
51	4/17/2026	40	20,268	20,111
52	4/18/2026	40	20,069	19,912
53	4/18/2026	40	19,870	19,712
54	4/19/2026	40	19,670	19,513
55	4/19/2026	40	19,471	19,314
56	4/20/2026	40	19,272	19,115
57	4/20/2026	40	19,073	18,915
58	4/21/2026	40	18,874	18,716
59	4/22/2026	40	18,674	18,517
60	4/22/2026	40	18,475	18,318
61	4/22/2026	40	18,276	18,118
62	4/23/2026	40	18,077	17,919
63	4/23/2026	40	17,877	17,720
64	4/24/2026	40	17,678	17,521
65	4/24/2026	40	17,479	17,321
66	4/25/2026	40	17,280	17,122
67	4/25/2026	40	17,080	16,923
68	4/25/2026	40	16,881	16,724
69	4/26/2026	40	16,682	16,524
70	4/26/2026	40	16,483	16,325
71	4/27/2026	40	16,283	16,126
72	4/27/2026	40	16,084	15,927
73	4/28/2026	40	15,885	15,728
74	4/28/2026	40	15,686	15,528
75	4/28/2026	40	15,486	15,329
76	4/29/2026	40	15,287	15,130
77	4/29/2026	40	15,088	14,931
78	4/29/2026	40	14,889	14,731
79	4/30/2026	40	14,689	14,532
80	4/30/2026	40	14,490	14,333
81	5/1/2026	40	14,291	14,134
82	5/1/2026	40	14,092	13,934
83	5/1/2026	40	13,893	13,735
84	5/2/2026	40	13,693	13,536
85	5/2/2026	40	13,494	13,337
86	5/3/2026	40	13,295	13,137
87	5/3/2026	40	13,096	12,938
88	5/3/2026	40	12,896	12,739
89	5/4/2026	40	12,697	12,540

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90	5/4/2026	40	12,498	12,340
91	5/4/2026	40	12,299	12,141
92	5/4/2026	40	12,099	11,942
93	5/5/2026	40	11,900	11,743
94	5/5/2026	40	11,701	11,543
95	5/5/2026	40	11,502	11,344
96	5/5/2026	40	11,302	11,145
97	5/6/2026	40	11,103	10,946
98	5/6/2026	40	10,904	10,747
99	5/6/2026	40	10,705	10,547
100	5/6/2026	40	10,505	10,348
101	5/7/2026	40	10,306	10,149
102	5/7/2026	40	10,107	9,950
103	5/7/2026	40	9,908	9,750
104	5/7/2026	40	9,708	9,551
105	5/7/2026	40	9,509	9,352

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ERP 11H
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)	Pump Time (min)
1	3/22/2026	5,612	7,880	11,435	93	150	7,666	300,940	649	161
2	3/22/2026	4,881	7,176	11,895	91	108	9,869	453,800	632	119
3	3/23/2026	5,504	6,690	11,881	91	2	9,843	458,440	627	117
4	3/23/2026	5,239	6,800	11,900	91	2	10,706	505,240	623	130
5	3/23/2026	6,310	7,237	11,636	90	2	11,628	502,740	656	131
6	3/24/2026	5,863	7,085	11,893	93	2	10,785	508,520	615	127
7	3/24/2026	5,252	6,462	11,930	91	2	10,599	499,260	614	125
8	3/25/2026	6,230	5,769	11,906	90	2	10,524	501,380	634	122
9	3/25/2026	5,353	6,911	11,929	91	2	10,691	502,871	604	126
10	3/26/2026	6,542	5,856	11,832	91	2	10,765	509,700	632	125
11	3/26/2026	6,782	6,684	11,852	91	2	10,925	486,200	1,352	140
12	3/27/2026	5,960	6,498	11,620	88	2	10,560	504,120	631	125
13	3/27/2026	5,860	6,215	11,704	91	2	12,123	502,820	619	141
14	3/28/2026	5,875	6,280	11,704	92	2	10,616	504,720	608	124
15	3/28/2026	6,886	5,215	11,610	93	2	10,431	500,720	577	119
16	3/28/2026	6,215	6,884	11,792	93	2	10,430	507,440	584	121
17	3/29/2026	6,948	7,430	11,744	93	2	10,948	498,100	568	125
18	3/29/2026	6,452	4,894	11,761	93	2	10,690	504,860	669	124
19	3/30/2026	6,351	5,871	11,966	100	2	10,535	499,760	560	118
20	3/30/2026	6,320	7,623	11,766	92	2	10,573	506,100	616	122
21	3/31/2026	6,256	4,926	11,880	93	2	10,645	506,500	635	121
22	3/31/2026	5,960	6,845	11,456	93	2	11,379	484,160	558	1,581
23	4/1/2026	6,393	6,693	11,651	92	2	10,505	499,780	587	121
24	4/1/2026	6,248	6,636	11,773	94	2	10,598	503,800	550	119
25	4/2/2026	5,787	6,567	11,411	92	2	10,372	500,900	536	127
26	4/2/2026	6,654	6,430	11,802	91	2	12,334	504,160	543	117
27	4/4/2026	6,105	7,111	11,942	100	2	9,667	453,360	527	113
28	4/4/2026	6,093	6,434	11,897	98	2	14,317	452,640	556	140
29	4/4/2026	7,337	7,420	12,001	98	2	9,671	454,400	518	111
30	4/5/2026	5,465	6,999	11,951	97	2	9,581	453,480	549	110
31	4/5/2026	6,609	7,216	11,975	100	2	9,589	452,320	510	108
32	4/6/2026	6,541	7,539	11,952	99	2	9,637	453,540	541	109
33	4/6/2026	6,897	5,996	12,010	100	2	9,654	454,040	502	109
34	4/7/2026	6,113	6,475	11,880	100	527	9,794	453,880	527	111
35	4/7/2026	7,369	6,592	11,873	100	2	9,556	456,320	495	108
36	4/7/2026	6,163	7,135	11,879	100	2	9,941	461,280	520	112
37	4/8/2026	6,702	7,107	11,827	100	2	9,588	456,880	485	108
38	4/8/2026	6,023	6,966	11,922	100	2	9,993	455,560	515	113
39	4/11/2026	5,764	6,887	11,716	95	2	9,587	450,680	510	113
40	4/11/2026	5,023	6,534	11,951	100	2	9,712	457,360	479	110
41	4/12/2026	5,542	6,456	11,868	100	2	9,620	452,560	506	109
42	4/12/2026	5,155	7,120	11,996	100	2	9,594	448,660	460	109
43	4/13/2026	5,600	6,700	11,795	98	2	9,578	451,820	487	111
44	4/13/2026	5,256	6,923	11,852	100	2	9,728	454,700	456	110
45	4/14/2026	5,309	7,176	11,832	100	2	9,602	452,540	487	108

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46	4/14/2026	5,394	5,807	11,623	100	2	9,722	456,520	447	111
47	4/15/2026	5,531	6,735	11,712	100	2	9,638	458,920	479	109
48	4/15/2026	5,670	6,315	11,728	100	2	9,564	455,000	474	108
49	4/16/2026	6,372	6,728	11,637	100	2	9,672	454,400	435	110
50	4/16/2026	6,171	5,133	11,155	100	2	9,645	453,700	596	111
51	4/17/2026	5,793	4,679	11,582	100	2	9,581	453,240	426	110
52	4/18/2026	5,972	6,949	11,807	100	2	9,458	452,460	458	108
53	4/18/2026	5,492	7,178	11,707	100	2	9,616	454,420	416	109
54	4/19/2026	6,320	5,407	11,563	100	2	9,581	452,640	459	109
55	4/19/2026	6,321	7,836	11,857	100	2	9,496	458,820	442	111
56	4/20/2026	5,329	7,748	11,692	100	2	9,562	452,402	405	110
57	4/20/2026	6,356	7,114	11,400	100	2	9,465	455,120	440	108
58	4/21/2026	5,237	7,466	11,422	100	2	9,642	455,060	397	110
59	4/22/2026	6,378	6,716	11,532	100	12	9,500	452,480	425	109
60	4/22/2026	5,825	5,323	11,184	100	2	9,586	455,300	388	111
61	4/22/2026	6,150	7,306	11,253	100	2	9,511	455,702	407	107
62	4/23/2026	6,535	6,744	11,234	100	2	9,403	453,400	380	106
63	4/23/2026	6,350	7,576	11,297	100	2	9,447	453,860	432	109
64	4/24/2026	6,215	5,247	10,775	100	2	9,516	455,290	371	107
65	4/24/2026	6,429	6,832	11,017	100	2	9,389	454,300	367	105
66	4/25/2026	6,230	8,048	10,889	100	2	9,488	453,840	413	109
67	4/25/2026	6,532	8,196	11,368	100	2	9,462	460,680	359	106
68	4/25/2026	6,256	5,186	11,155	100	2	9,428	461,320	397	106
69	4/26/2026	6,476	7,765	10,720	100	2	9,446	458,120	350	105
70	4/26/2026	6,120	7,901	10,571	100	2	9,469	455,660	405	106
71	4/27/2026	6,291	7,385	10,752	100	2	9,488	456,580	342	108
72	4/27/2026	6,347	7,768	10,966	100	2	9,395	453,980	338	105
73	4/28/2026	6,237	7,477	11,302	100	2	9,606	460,040	385	109
74	4/28/2026	6,407	7,964	10,723	100	2	9,361	452,960	329	104
75	4/28/2026	6,505	8,195	10,741	100	2	9,507	456,420	410	106
76	4/29/2026	6,325	8,324	10,653	100	2	9,554	457,680	376	108
77	4/29/2026	6,384	7,696	10,562	100	2	9,462	453,940	316	106
78	4/29/2026	6,421	8,178	10,411	100	2	9,876	453,860	361	112
79	4/30/2026	6,272	8,531	10,421	100	2	9,480	461,440	308	105
80	4/30/2026	6,417	6,779	10,357	100	2	9,390	459,340	307	104
81	5/1/2026	6,528	7,554	10,481	100	2	9,302	450,880	302	102
82	5/1/2026	6,252	7,335	10,155	100	2	10,131	454,440	327	112
83	5/1/2026	6,400	8,322	10,375	100	2	9,322	453,120	293	102
84	5/2/2026	6,170	8,142	10,314	100	2	9,432	452,920	306	104
85	5/2/2026	5,966	7,455	10,153	100	2	9,453	454,400	314	104
86	5/3/2026	6,177	8,323	9,912	100	2	9,299	455,180	278	102
87	5/3/2026	6,455	8,077	10,188	100	2	9,360	451,860	295	102
88	5/3/2026	6,266	7,906	10,047	100	2	9,309	453,140	269	103
89	5/4/2026	6,253	7,875	10,043	100	2	9,282	452,520	268	103
90	5/4/2026	6,077	7,547	9,970	100	2	9,341	453,780	289	103
91	5/4/2026	5,798	7,609	9,770	100	2	10,036	456,220	297	111
92	5/4/2026	6,415	8,444	10,023	100	2	9,326	453,580	252	104
93	5/5/2026	6,356	7,642	9,902	100	2	9,304	454,140	257	103
94	5/5/2026	5,339	7,988	9,990	100	2	9,246	446,440	236	101
95	5/5/2026	6,320	8,379	9,947	100	2	9,355	453,580	240	102
96	5/5/2026	6,314	8,128	9,677	100	2	9,358	459,280	233	103

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97	5/6/2026	6,160	8,992	10,118	100	2	9,363	456,820	232	104
98	5/6/2026	6,566	6,063	9,730	100	2	9,299	453,060	227	102
99	5/6/2026	6,289	8,778	9,740	100	2	9,287	454,980	224	101
100	5/6/2026	5,801	9,012	9,785	100	2	9,316	450,260	222	102
101	5/7/2026	5,393	7,145	9,536	100	2	9,408	454,760	313	113
102	5/7/2026	5,211	8,210	9,893	100	2	9,816	479,320	219	109
103	5/7/2026	5,598	7,869	9,917	100	2	9,318	459,360	205	102
104	5/7/2026	5,805	7,125	10,233	100	2	9,360	453,640	201	104
105	5/7/2026	5,628	7,105	11,051	100	2	9,139	460,280	203	101

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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	1060		sandstone/limestone
Sewickley Coal	1060	1065		Sewickley Coal
Limestone/siltstone/red beds	1065	1229		Limestone/siltstone/red beds
Pittsburgh coal	1229	1236		Pittsburgh coal
Limestone/siltstone	1236	1300		Limestone/siltstone
Red Rock/siltstone/limestone	1300	2060		Red Rock/siltstone/limestone
siltstone/sandstone	2060	2199		siltstone/sandstone
Little Lime	2199	2259		Little Lime
Big Lime	2259	2364		Limestone
Big Injun	2364	2523		Sandstone
Sand/silt	2523	2584		Sand/silt
Gantz	2584	2591		Sandstone
Sand/shale	2591	2968		Sand/shale
Gordon	2968	3060		Sandstone
Siltstone/sandstone	3060	3230		Siltstone/sandstone
Fourth Sand	3230	3340		Sandstone
siltstone/sandstone	3340	5200		siltstone/sandstone
Gray shale/siltstone	5200	7384		Gray shale/siltstone
Middlesex	7384	7633		Middlesex
Burkett	7633	7800		Burkett
Geneseo	7800	7848		Geneseo
Tully	7848	7896		Tully
Hamilton	7896	7977		Hamilton
Marcellus	7977	8102		Marcellus

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NexTier Completion Solutions
3990 Rogerdale Rd., Houston, TX 77042
(713)325-6000

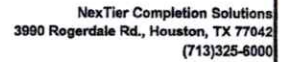
08/28/2026

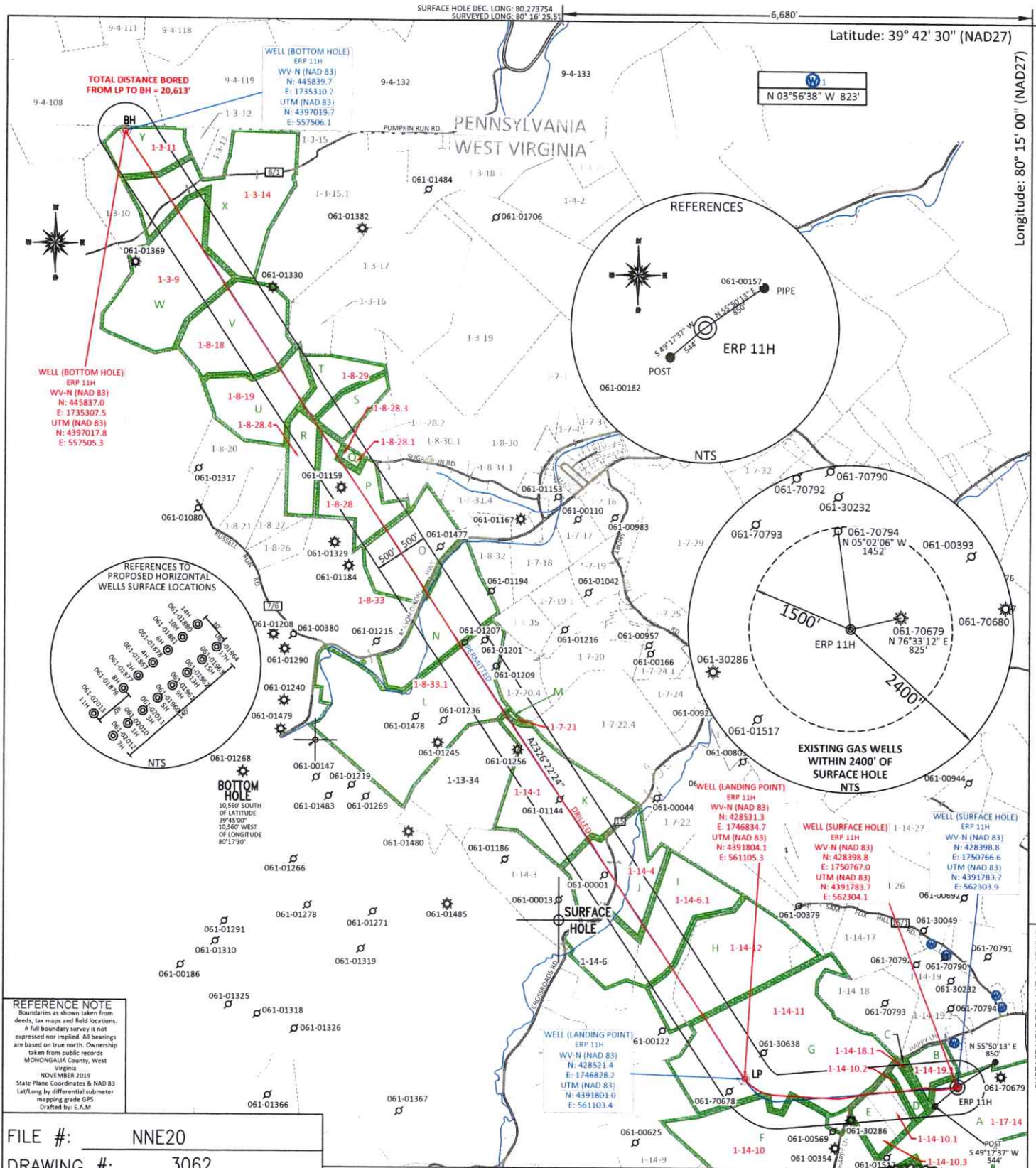
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NexTier Completion Solutions
3990 Rogerdale Rd., Houston, TX 77042
(713)325-6000

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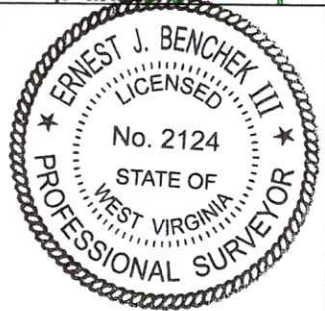
08/28/2026



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
Lat/Long by differential submeter
mapping grade GPS
Drafted by: E.A.M

FILE #: NNE20
DRAWING #: 3062
SCALE: PLAT: 1" = 2500'
TICK: 1" = 2000'
MINIMUM DEGREE
OF ACCURACY: 1/200
PROVEN SOURCE SUBMETER MAPPING
OF ELEVATION: 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: DUNKARD CREEK
COUNTY/DISTRICT: MONONGALIA / BATTELLE
SURFACE OWNER: Phoenix Energy Resources, LLC
OIL & GAS ROYALTY OWNER: Phoenix Energy Resources, LLC, et al.
LEASE NUMBERS:
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 8, 2026
OPERATOR'S WELL #: ERP 11H AS-DRILLED
API WELL #: 47 61 02013
STATE COUNTY PERMIT
AS-BUILT
ELEVATION: 1,338.6'
QUADRANGLE: WADESTOWN
ACREAGE: 1734.207 +/-
ACREAGE: 157.502 +/-
08/28/2026
DRILL ☒ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☒
PLUG OFF FORMATION ☐ PERFORATE NEW FORMATION ☐ PLUG & ABANDON ☐
CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐ (SPECIFY):
DRILLED DEPTH: TVD: 7,948' TMD: 30,209'
DESIGNATED AGENT: JOHN ADAMS
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
CITY: CHARLESTON STATE: WV ZIP CODE: 25301

PROPERTY OWNER INDEX	
1-3-9	JAMES EDWARD & EARL LYNN TAYLOR
1-3-11	CONSOL MINING COMPANY LLC
1-3-14	JAMES EDWARD & EARL LYNN TAYLOR
1-7-21	ROBERT DARRYL & LINDA ANN HENNEN
1-8-18	THOMAS OETJENS MARSHALL
1-8-19	CNX LAND LLC
1-8-28	JOHN, CARL & MCCLURE; SUE WILSON
1-8-28.1	CLARA TOLKA
1-8-28.3	CLARA TOLKA
1-8-28.4	ROBERT C MCCLURE
1-8-29	CNX LAND LLC
1-8-33	CNX LAND LLC
1-8-33.1	MASON DIXON HWY
1-14-1	DAVID NEIL, DONALD HOWARD; DONALD RALPH & SANDRA LYNN PORTER
1-14-4	SHERRY HARKER
1-14-6.1	4 BROTHERS LLC
1-14-10	MICHAEL A & ANITA K BRAGG (LIFE GEORGE H FOLEY)
1-14-10.1	MARK A & DEBRA WILLIAMS
1-14-10.2	DAVID W & CHERYL A WILLIAMS
1-14-10.3	ROGER E SWANSON
1-14-11	RICHARD E SHRIVER
1-14-12	RUSSELL L & VIRGINIA M TOOTHMAN
1-14-18.1	NORMA WILLIAMS
1-14-19.1	PHOENIX FEDERAL MINING COMPLEX LLC
1-17-14	PHOENIX FEDERAL MINING COMPLEX LLC

LEASE INDEX			
A	WV-061-005667-001	N	WV-061-000195-001-JOA
B	WV-061-005667-001	O	WV-061-000195-001-JOA
C	WV-061-005696-001	P	WV-061-006296-001
D	WV-061-006394-001	Q	WV-061-006296-001
E	WV-061-005329-015	R	WV-061-006296-001
F	WV-061-004505-012	S	WV-061-000195-001-JOA
G	WV-061-005836-005	T	WV-061-000195-001-JOA
H	WV-061-000195-001-JOA	U	WV-061-000195-001-JOA
I	WV-061-004334-002	V	WV-061-000195-001-JOA
J	WV-061-005820-001	W	WV-061-000195-001-JOA
K	WV-061-004813-006	X	WV-061-006965-001
	WV-061-004813-001	Y	WV-061-000195-001-JOA
L	WV-061-000195-001-JOA		
M	WV-061-006220-001		

08/28/2026

FILE #: NEE20	DATE: JULY 8, 2026
DRAWING #: 3062	OPERATOR'S WELL #: ERP 11H AS-DRILLED
SCALE: N/A	API WELL #: 47 61 02013 STATE COUNTY PERMIT

3906 41

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	03/22/2026
Job End Date:	05/07/2026
State:	West Virginia
County:	Monongalia
API Number:	47-061-02013-00-00
Operator Name:	Northeast Natural Energy LLC
Well Name and Number:	ERP 11H
Latitude:	39.674438
Longitude:	-80.273552
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	8063
Total Base Water Volume (gal)*:	45813054
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
Water	Operator	Carrier/Base Fluid					
			Water	7732-18-5	100.00000	89.16276	None
Sand (100 Mesh Proppant)	Operator	Proppant					
			Crystalline Silica (quartz)	14808-60-7	100.00000	9.67285	None
Sand (40/70 White Proppant)	Operator	Proppant					
			Crystalline Silica (quartz)	14808-60-7	100.00000	1.05454	None
StimSTREAM FR 9800	Chemstream	Friction Reducer					
			Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate copolymer	69418-26-4	40.00000	0.08612	None
			Alkanes, C12-26-branched and linear	90622-53-0	40.00000	0.02284	None
			Water	7732-18-5	15.00000	0.00856	None

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			Ethoxylated Alcohols (C12-16)	68551-12-2	5.00000	0.00285	None
Other Chemical(s)	Listed Above	See Trade Name(s) List					
			Alkanes, C12-26-branched and linear	90622-53-0	40.00000	0.02284	None
			Water	7732-18-5	90.00000	0.01718	None
			Water	7732-18-5	15.00000	0.00856	None
			pyridinium, 1-(phenylmethyl)-, ethyl methyl derivs., chlorides	68909-18-2	25.00000	0.00481	None
			Ethanoic Acid	Proprietary	15.00000	0.00288	None
			Ethoxylated Alcohols	Proprietary	15.00000	0.00288	None
			Ethoxylated Alcohols (C12-16)	68551-12-2	5.00000	0.00285	None
			Not Listed	Proprietary	10.00000	0.00192	None
			Not Listed	Proprietary	10.00000	0.00192	None
			AA/Maleic Anhydride Copolymer	9003-04-7	10.00000	0.00144	None
			2-ethylhexanol	104-76-7	5.00000	0.00096	None
			Ethoxylated Nonylphenols	127087-87-0	5.00000	0.00096	None
			Quaternary Ammonium Compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides	68424-85-1	3.00000	0.00057	None
			Didecyldimethylammonium Chloride	7173-51-5	3.00000	0.00057	None
Clearal 268A	Chemstream	Biocide					
			Water	7732-18-5	90.00000	0.01718	None
			Glutaraldehyde	111-30-8	20.00000	0.00382	None
			Quaternary Ammonium Compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides	68424-85-1	3.00000	0.00057	None
			Didecyldimethylammonium Chloride	7173-51-5	3.00000	0.00057	None
EZ-A 431	Obsidian	Acid					
			Methanol	67-56-1	25.00000	0.00481	None
			pyridinium, 1-(phenylmethyl)-, ethyl methyl derivs., chlorides	68909-18-2	25.00000	0.00481	None
			Ethoxylated Alcohols	Proprietary	15.00000	0.00288	None
			Ethanoic Acid	Proprietary	15.00000	0.00288	None
			Not Listed	Proprietary	10.00000	0.00192	None
			Not Listed	Proprietary	10.00000	0.00192	None
			2-ethylhexanol	104-76-7	5.00000	0.00096	None

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			Ethoxylated Nonylphenols	127087-87-0	5.00000	0.00096	None
StimSTREAM SC 810	Chemstream	Scale Control					
			AA/Maleic Anhydride Co- polymer	9003-04-7	10.00000	0.00144	None
			AA/ATBS Co-polymer	9003-05-8	10.00000	0.00144	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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