

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

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Office of Oil and Gas
JUN 02 2026
WV Department of
Environmental Protection

API 47 - 049 - 02588 County Marion District Paw Paw
Quad Grant Town Pad Name Green Lakes Field/Pool Name _____
Farm name Ministers Run Property Management LLC Well Number 11H
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 4382133.0 Easting 574601.9
Landing Point of Curve Northing 4381560.5 Easting 573704.3
Bottom Hole Northing 4386225.7 Easting 570214.3

Elevation (ft) 1448.7 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),

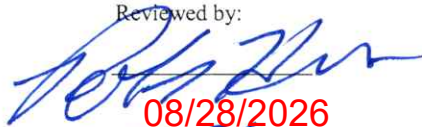
M I X II MEDIUM, MEGADRIL P SYSTEM, MEGADRIL P SYSTEM RENTAL, MEGAMUL, SAFE CARB 250, VERSATHIN HF, VERSAWET, VG PLUS, VINSEAL MEDIUM, WALNUT NUT PLUG MEDIUM, SOLTEX

Date permit issued 6/2/25 Date drilling commenced 7/21/25 Date drilling ceased 10/9/25
Date completion activities began 11/19/25 Date completion activities ceased 1/3/26
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 816' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 2271' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 652 657 Waynesburg, 700 705 Sewickley, 808 816 Pittsburgh Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed
Approved

Reviewed by:

08/28/2026
8-13-26

WR-35
Rev. 8/23/13

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API 47-049 - 02588

Farm name Ministers Run Property Management LLC Well number 11H

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	Y/10 bbls
Surface	17 1/2"	13 3/8"	916'	New	J 55/54.5	589.7	Y/13 bbls
Coal							
Intermediate 1	12 1/4"	9 5/8	2,362'	New	J 55/36	N/A	Y/15 bbls
Intermediate 2							
Intermediate 3							
Production	8 1/2"	5 1/2"	28,797'	New	HP P 110/23	N/A	N
Tubing							
Packer type and depth set							

Comment Details _____

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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	214	15.6	1.18	252.52	CTS	>72
Surface	Class L	740	15.6	1.14	844	CTS	8
Coal							
Intermediate 1	Class L	860	15.6	1.12	963	CTS	8
Intermediate 2							
Intermediate 3							
Production	50% Class L & 50% Poz	5445	14.5	1.16	6,316	356	>72
Tubing							

Drillers TD (ft) 28,827'

Loggers TD (ft) 28,797'

Deepest formation penetrated Marcellus

Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) 8,415'

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 _____

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[illegible]

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Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

08/28/2026

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DEPTHS

OPEN FLOW	Gas	Oil	NGL	Water	GAS MEASURED BY		
1212	mcfpd	bpd	bpd	bpd	☐ Estimated	☒ Orifice	☐ Pilot

[illegible]

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

08/28/2026

Green Lakes 11H Perforation Report				
Stage Number	Report Date	Total Shots	Cluster 1 Top TD	Cluster 5 Bottom TD
1	11/19/2025			28,687
2	11/19/2025	40	28,644	28,485
3	11/20/2025	40	28,443	28,285
4	11/20/2025	40	28,243	28,084
5	11/21/2025	40	28,042	27,884
6	11/21/2025	40	27,842	27,684
7	11/22/2025	40	27,641	27,483
8	11/22/2025	40	27,441	27,283
9	11/22/2025	40	27,241	27,082
10	11/23/2025	40	27,040	26,882
11	11/23/2025	40	26,840	26,681
12	11/24/2025	40	26,639	26,481
13	11/24/2025	40	26,439	26,281
14	11/25/2025	40	26,238	26,080
15	11/25/2025	40	26,038	25,880
16	11/26/2025	40	25,838	25,679
17	11/26/2025	40	25,637	25,479
18	11/27/2025	40	25,437	25,278
19	11/27/2025	40	25,236	25,078
20	11/28/2025	40	25,036	24,878
21	11/28/2025	40	24,836	24,677
22	11/29/2025	40	24,635	24,477
23	11/29/2025	40	24,435	24,276
24	11/30/2025	40	24,234	24,076
25	11/30/2025	40	24,034	23,876
26	12/1/2025	40	23,833	23,675
27	12/2/2025	40	23,633	23,475
28	12/3/2025	40	23,433	23,274
29	12/4/2025	40	23,232	23,074
30	12/4/2025	40	23,032	22,873
31	12/4/2025	40	22,831	22,673
32	12/5/2025	40	22,631	22,473
33	12/6/2025	40	22,430	22,272
34	12/6/2025	40	22,230	22,072
35	12/7/2025	40	22,030	21,871
36	12/8/2025	40	21,829	21,671
37	12/8/2025	40	21,629	21,470
38	12/9/2025	40	21,428	21,270
39	12/9/2025	40	21,228	21,070

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40	12/10/2025	40	21,028	20,869
41	12/10/2025	40	20,827	20,669
42	12/11/2025	40	20,627	20,468
43	12/11/2025	40	20,426	20,268
44	12/12/2025	40	20,226	20,068
45	12/12/2025	40	20,025	19,867
46	12/12/2025	40	19,825	19,667
47	12/13/2025	40	19,625	19,466
48	12/14/2025	40	19,424	19,266
49	12/15/2025	40	19,224	19,065
50	12/16/2025	40	19,023	18,865
51	12/16/2025	40	18,823	18,665
52	12/17/2025	40	18,623	18,464
53	12/17/2025	40	18,422	18,264
54	12/17/2025	40	18,222	18,063
55	12/18/2025	40	18,021	17,863
56	12/18/2025	40	17,821	17,663
57	12/19/2025	40	17,620	17,462
58	12/19/2025	40	17,420	17,262
59	12/20/2025	40	17,220	17,061
60	12/20/2025	40	17,019	16,861
61	12/20/2025	40	16,819	16,660
62	12/21/2025	40	16,618	16,460
63	12/21/2025	40	16,418	16,260
64	12/22/2025	40	16,217	16,059
65	12/22/2025	40	16,017	15,859
66	12/22/2025	40	15,817	15,658
67	12/23/2025	40	15,616	15,458
68	12/23/2025	40	15,416	15,257
69	12/24/2025	40	15,215	15,057
70	12/24/2025	40	15,015	14,857
71	12/24/2025	40	14,815	14,656
72	12/25/2025	40	14,614	14,456
73	12/25/2025	40	14,414	14,255
74	12/26/2025	40	14,213	14,055
75	12/26/2025	40	14,013	13,855
76	12/26/2025	40	13,812	13,654
77	12/27/2025	40	13,612	13,454
78	12/27/2025	40	13,412	13,253
79	12/28/2025	40	13,211	13,053
80	12/28/2025	40	13,011	12,852
81	12/29/2025	40	12,810	12,652
82	12/29/2025	40	12,610	12,452
83	12/29/2025	40	12,409	12,251

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84	12/30/2025	40	12,209	12,051
85	12/30/2025	40	12,009	11,850
86	12/31/2025	40	11,808	11,650
87	12/31/2025	40	11,608	11,449
88	12/31/2025	40	11,407	11,249
89	1/1/2026	40	11,207	11,049
90	1/1/2026	40	11,007	10,848
91	1/1/2026	40	10,806	10,648
92	1/2/2026	40	10,606	10,447
93	1/2/2026	40	10,405	10,247
94	1/2/2026	40	10,205	10,047
95	1/2/2026	40	10,004	9,846
96	1/2/2026	40	9,804	9,646
97	1/3/2026	40	9,604	9,445
98	1/3/2026	40	9,403	9,245

Green Lakes 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	11/19/2025	5,460	7,301	10,782	94	663	7,794	306,580	608	146
2	11/19/2025	5,175	5,894	11,196	98	20	13,000	649,920	602	145
3	11/20/2025	5,956	4,369	10,748	98	20	12,234	600,280	603	137
4	11/20/2025	5,605	6,093	11,040	100	20	10,733	600,160	602	136
5	11/21/2025	5,501	6,905	11,200	98	20	12,228	604,060	672	137
6	11/21/2025	5,774	6,541	11,473	96	20	12,234	600,140	588	140
7	11/22/2025	5,833	6,943	10,892	92	20	13,547	600,140	717	129
8	11/22/2025	5,709	6,220	11,402	99	20	12,276	604,320	578	133
9	11/22/2025	5,928	4,985	10,846	98	20	12,113	599,920	577	136
10	11/23/2025	5,470	6,820	10,935	98	20	12,177	600,240	571	137
11	11/23/2025	5,673	6,815	11,076	98	20	11,832	599,400	572	133
12	11/24/2025	6,024	6,177	11,021	96	20	14,098	603,100	565	161
13	11/24/2025	5,710	4,462	10,927	99	20	12,027	603,780	565	132
14	11/25/2025	6,050	6,844	10,899	99	20	12,042	599,980	561	134
15	11/25/2025	5,756	7,585	11,304	99	20	12,184	599,780	564	134
16	11/26/2025	5,803	6,571	11,252	98	20	11,946	600,180	546	135
17	11/26/2025	6,368	10,784	11,606	97	20	11,970	600,200	547	135
18	11/27/2025	6,340	11,879	11,427	98	20	11,876	600,080	633	133
19	11/27/2025	5,951	5,801	11,440	98	20	11,976	602,200	536	135
20	11/28/2025	6,574	10,564	10,690	94	20	13,394	599,980	624	130
21	11/28/2025	5,674	5,901	11,218	99	20	11,941	600,340	521	133
22	11/29/2025	5,892	7,945	11,608	98	20	11,889	599,780	636	133
23	11/29/2025	6,087	6,040	11,499	97	20	11,866	599,920	518	134
24	11/30/2025	5,980	7,116	11,265	97	20	11,934	600,920	632	134
25	11/30/2025	5,912	6,282	11,119	97	20	11,862	599,760	511	135
26	12/1/2025	5,972	6,718	10,549	95	20	11,402	551,480	768	132
27	12/2/2025	6,160	6,213	11,019	97	20	12,119	603,280	625	136
28	12/3/2025	6,444	6,385	10,377	99	20	11,879	600,500	625	130
29	12/4/2025	5,881	6,287	10,732	98	20	11,795	600,110	489	131
30	12/4/2025	6,665	6,419	10,693	98	20	12,003	599,800	605	135
31	12/4/2025	5,764	7,717	10,797	98	20	11,877	598,180	480	133
32	12/5/2025	6,657	8,728	11,014	98	20	11,918	600,050	595	133
33	12/6/2025	5,671	6,815	10,816	98	20	11,915	600,250	472	133
34	12/6/2025	6,782	7,069	11,308	96	20	12,279	600,060	551	140
35	12/7/2025	5,738	6,394	10,956	98	20	11,888	599,840	463	133
36	12/8/2025	6,087	6,114	10,801	98	20	11,984	603,420	459	133
37	12/8/2025	5,925	4,728	10,839	98	20	11,589	600,090	463	133
38	12/9/2025	6,142	6,356	10,827	98	20	11,885	600,160	451	132
39	12/9/2025	6,449	7,118	11,027	98	20	12,110	598,800	447	136
40	12/10/2025	6,133	5,829	10,477	98	20	11,886	600,300	443	134
41	12/10/2025	6,660	5,530	11,055	98	20	11,887	600,260	439	134

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42	12/11/2025	6,170	7,196	10,809	98	20	11,909	599,740	436	132
43	12/11/2025	5,935	7,143	10,934	98	20	11,816	600,520	429	132
44	12/12/2025	5,647	9,093	10,818	98	20	11,870	600,140	427	131
45	12/12/2025	5,853	6,409	10,589	98	20	11,984	600,060	426	134
46	12/12/2025	5,868	7,804	10,592	98	20	11,961	601,980	419	133
47	12/13/2025	5,850	6,326	10,618	99	20	11,791	603,100	426	131
48	12/14/2025	5,805	5,892	10,484	98	20	11,762	600,280	410	132
49	12/15/2025	5,539	6,258	10,789	98	20	11,968	600,440	463	134
50	12/16/2025	5,448	6,662	10,566	98	20	12,267	599,090	400	135
51	12/16/2025	5,800	6,633	10,464	98	20	12,018	600,340	392	133
52	12/17/2025	5,938	6,849	10,485	98	20	11,864	600,120	392	131
53	12/17/2025	6,354	6,063	10,371	98	20	11,990	600,140	381	134
54	12/17/2025	6,571	6,486	10,612	98	20	11,906	600,060	384	132
55	12/18/2025	5,874	6,118	10,625	98	20	11,708	600,040	384	131
56	12/18/2025	5,805	6,655	10,402	98	20	11,782	601,580	374	131
57	12/19/2025	5,781	8,031	10,533	99	20	11,851	600,920	385	130
58	12/19/2025	5,759	6,246	9,998	99	20	11,783	600,260	370	130
59	12/20/2025	6,633	7,011	10,258	98	20	11,962	600,060	360	131
60	12/20/2025	5,612	6,537	9,999	99	20	11,847	600,090	364	132
61	12/20/2025	6,049	7,245	10,162	100	20	11,834	599,990	353	126
62	12/21/2025	6,073	8,507	10,137	100	20	11,838	601,640	355	127
63	12/21/2025	5,753	5,538	9,895	100	20	11,861	600,100	350	131
64	12/22/2025	6,869	7,673	10,146	100	20	11,903	601,320	349	127
65	12/22/2025	5,623	7,020	10,282	100	20	11,748	600,480	336	128
66	12/22/2025	6,162	8,293	10,274	101	20	11,762	600,100	332	125
67	12/23/2025	6,088	7,732	10,240	101	20	11,733	600,040	326	125
68	12/23/2025	5,933	6,705	10,159	99	20	12,108	603,050	323	133
69	12/24/2025	6,575	9,592	10,050	100	20	11,856	600,140	410	128
70	12/24/2025	6,292	6,958	9,979	100	20	12,052	600,160	315	131
71	12/24/2025	6,810	8,445	10,113	101	20	11,813	600,120	407	126
72	12/25/2025	5,871	7,645	9,894	100	20	11,766	602,520	306	126
73	12/25/2025	6,306	7,146	10,068	101	20	11,921	600,080	396	128
74	12/26/2025	5,828	7,857	10,219	102	20	11,827	603,400	381	125
75	12/26/2025	5,985	6,133	9,806	102	20	11,977	600,240	294	127
76	12/26/2025	6,372	6,998	9,617	102	20	11,984	599,960	296	127
77	12/27/2025	5,962	6,621	9,693	101	20	11,821	599,650	285	126
78	12/27/2025	6,466	6,563	9,974	101	20	11,813	603,700	373	126
79	12/28/2025	5,957	8,803	10,452	100	20	11,846	600,260	453	128
80	12/28/2025	6,018	6,926	10,048	97	20	12,703	600,060	749	142
81	12/29/2025	6,318	7,136	9,386	101	20	11,718	603,400	271	125
82	12/29/2025	6,087	6,739	9,492	100	20	11,710	599,590	264	128
83	12/29/2025	5,881	8,090	9,881	101	20	11,766	599,980	263	125
84	12/30/2025	6,456	8,334	10,068	100	20	11,753	601,340	255	127
85	12/30/2025	6,244	4,329	9,781	99	20	11,751	602,900	251	130
86	12/31/2025	6,122	6,688	9,596	101	20	11,659	596,800	367	125
87	12/31/2025	6,605	5,854	9,716	101	20	11,814	600,400	243	127
88	12/31/2025	5,881	7,120	9,322	101	20	11,860	650,140	343	128

89	1/1/2026	6,633	5,035	9,655	100	20	11,833	605,420	234	128
90	1/1/2026	5,664	6,154	9,463	101	20	11,770	600,760	230	126
91	1/1/2026	6,087	4,206	9,262	101	20	11,488	600,370	350	123
92	1/2/2026	6,072	7,125	9,311	101	20	11,625	600,340	338	125
93	1/2/2026	6,815	6,153	9,350	101	20	11,764	600,380	217	127
94	1/2/2026	6,658	6,548	9,168	101	20	11,820	600,180	213	127
95	1/2/2026	5,829	4,847	9,281	101	20	11,663	597,260	309	124
96	1/2/2026	5,930	6,741	9,032	101	20	11,577	600,088	323	125
97	1/3/2026	5,644	6,203	9,071	102	20	11,801	600,080	311	125
98	1/3/2026	6,059	7,427	9,053	101	20	11,803	600,180	196	126

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Green Lakes NW 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	425	Sand/silt
lime/silt	425	580	lime/silt
lime/sand/silt	580	640	lime/sand/silt
carbonaceous silt/sandstone	640	652	carbonaceous silt/sandstone
Waynesburg coal	652	657	Waynesburg coal
sandstone/limestone	657	700	sandstone/limestone
Sewickley Coal	700	705	Sewickley Coal
Limestone/siltstone/red beds	705	808	Limestone/siltstone/red beds
Pittsburgh coal	808	816	Pittsburgh coal
Limestone/siltstone	816	880	Limestone/siltstone
sandstone	880	940	sandstone
siltstone/sandstone	940	1090	siltstone/sandstone
red rock/siltstone	1090	1205	red rock/siltstone
siltstone/red silt/sandstone	1205	2021	siltstone/red silt/sandstone
Little Lime	2021	2049	Little Lime
Big Lime	2049	2141	Big Lime
Big Injun	2141	2271	Big Injun
Sand/silt	2271	2327	Sand/silt
Gantz	2327	2347	Gantz
Sand/shale/siltstone	2347	3006	Sand/shale/siltstone
Gordon	3006	3044	Gordon
Siltstone/sandstone	3044	3160	Siltstone/sandstone
Fourth Sand	3160	3185	Fourth Sand
sandstone/siltstone	3185	5260	sandstone/siltstone
siltstone	5260	7100	siltstone
Gray shale/siltstone	7100	7343	Gray shale/siltstone
Middlesex	7343	7544	Middlesex
Burkett	7544	7790	Burkett
Geneseo	7790	7840	Geneseo
Tully	7840	7884	Tully
Hamilton	7884	8005	Hamilton
Marcellus	8005	8060	Marcellus
Cherry Valley	8060	8066	Cherry Valley
Lower Marcellus	8066	8140	Lower Marcellus
Onondaga	8140	8158	Onondaga
Huntersville	8158	TD	Huntersville

NEXTIER

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

Customer: MARION NATURAL ENERGY		Date: 17-Aug-25	Serv. Supervisor: John Martin	
Cust. Rep.:		Ticket #: BPA-2508-0073	Serv. Center: Black Lick - 1571	
Well Name: Green Lakes 11H		API Well #: 47-049-02588	County: Marion	State: WV
Well Type:		Rig: PATTERSON 571	Type of Job:	CM-SURFACE CASING

[illegible]

Displacement Chemicals:

OPEN HOLE DATA				TUBULAR DATA									
17.5 in. O.H. 850 to 950 ft				13.375 in. 54.5#, (0 to 950 ft)			SIZE WEIGHT	THRD	DEPTH (ft)	GRADE	ID (in)	BURST (psi)	COLLAPSE (psi)
Ambient Tmp.	Bulk Tmp.	Slurry 1 Tmp.	Slurry 2 Tmp.	Slurry 3 Tmp.	Slurry 4 Tmp.								
80.0 °F		92.0 °F				13.375/54.5#	BTC	916	J-55	12.615	2730	1130	
PREVIOUS CASING DATA				PERFORATED INTERVAL DATA						CASING EQUIPMENT DEPTHS			
18.625 in. 87.5# (0 to 850 ft)				TOP		BTM	SPF	SIZE	SHOE	FLOAT	STAGE	ACP	
WELL FLUID			DISPLACEMENT FLUID			DIFF PRESS	CSG LIFT	MAX PRESS	Mix H2O Chlorides (ppm)	Mix H2O pH	Mix H2O Temp	WATER ON LOC (bbl)	
TYPE	DENSITY	VOLUME	TYPE	DENSITY		(psi)	(psi)	(psi)					
AIR		128 bbl	H2O	8.3 ppg		350	275	3000		7	78.0 °F	1500	
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	Additional Hrs Charged (hrs)	Casing Reciprocation	Rathole Length (ft)		
Yes	855.00	Y	0.00	13.00	0	Yes	2,000.00	No	6.00	No	39		

Comments/Additional Details:

13 BBLS CMT RETURNED TO SURFACE/FLOATS HELD/1 BBL BACK

John Martin
Service Supervisor

17-Aug-25

Service Supervisor

Date _____

08/28/2026

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

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Cement Job Log

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

NEXTIER

[illegible]

08/28/2026

	PROPERTY INDEX
4-25-17	JOHN E STATLER
4-25-22.1	JOHN E STATLER
4-25-26	LONGIN PIOTROWSKI
4-25-27	DAVID S BRACKEN II & DEBRA L SHAFFER
4-24-5	LARRY W & ELEANOR BOGGS MOORE
4-24-10	LARRY W & ELEANOR BOGGS MOORE
4-24-26	LELAND JR & COREY M HURLEY
16-24-7.1	JAMES E LONG
16-24-7	ROBERT L OR PENNY D WHITE
16-24-8	ROBERT W & WILLIAM J & JOHN C & GARY V WHITE
16-24-14	STEVE J KISH SR ETAL
16-24-12	ARNOLD J & SAUNDRA A MORGAN
16-24-24	WILLIAM R & JONNETT D BRAGG
16-24-25	WILLIAM R BRAGG
16-25-3	HAROLD E PERKINS
16-25-3.4	REGINA A ENNIS (LIFE 1225-914)
16-25-23	JOSEPH E URSE JR
16-25-24	JAMES W BURTON III
16-26-26	MINISTERS RUN PROPERTY MANAGEMENT LLC
16-26-19	GARY W DAYTON
16-26-1	BARBARA TROUT (2/12 INT)
16-26-21	JERRY G & SHARON D SISLER
16-26-2	KENNETH E & SHIRLEY J BRAGG
16-26-3	KENNETH E & SHIRLEY J BRAGG
4-24-20	BRADLEY A & CHANDRA LYN WOLFE (LIFE: WILLIAM R & LYNN A COCHRAN)
4-24-19	NULL
4-24-21	CORY KING
4-24-22	CORY KING
4-24-23	JAMES E HARDWAY
4-24-12	CORY KING

	LEASE INDEX		
A	WV-049-106675-001	Q	WV-049-005373-001
B	WV-049-106358-001	R	WV-061-004575-000
C	WV-049-106380-001	S	WV-061-006103-003
D	WV-049-106757-001	T	WV-061-006143-001
E	WV-049-106757-001	U	WV-061-006366-001
F	WV-049-106604-002	V	WV-061-006143-001
G	WV-049-106457-001	W	WV-061-004732-000
H	WV-049-106677-001	X	WV-061-006143-001
I	WV-049-106493-001	Y	WV-061-006143-001
J	WV-049-086241-001	Z	WV-061-006863-001
K	WV-049-105165-001	AA	WV-061-006863-001
L	WV-049-105165-001	BB	WV-061-004259-001
M	WV-049-106376-001	CC	WV-061-003015-015
N	WV-049-106392-001	DD	WV-061-000212-001-ACT
O	WV-049-004394-002	EE	WV-061-004293-005
P	WV-061-006366-001	FF	WV-061-000212-001-ACT

08/28/2026

FILE #: NEE20	DATE: APRIL 3, 2026
DRAWING #: 4052	OPERATOR'S WELL #: GREEN LAKES 11H
SCALE: N/A	API WELL #: 47 49 02588 STATE COUNTY PERMIT

WELL NAME: GREEN LAKES 11H
GRANT TOWN



TOTAL DISTANCE BORED
FROM LP TO BH = 19,135'

BH

GREEN LAKES 11H

LP

DRILLED

PERMITTED

AZ324°05'13"

Shuman Run

McFarland Run

Craig Run

Green Lakes

Chunk Run

Pharaoh Run

Hoodsville

Hoodsville Cem

Barb Cem

Hood Cem

08/28/2026



GRAPHIC SCALE

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	11/19/2025
Job End Date:	01/03/2026
State:	West Virginia
County:	Marion
API Number:	47-049-02588-00-00
Operator Name:	Northeast Natural Energy LLC
Well Name and Number:	Green Lakes 11H
Latitude:	39.585675
Longitude:	-80.131263
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	8135.5068
Total Base Water Volume (gal)*:	51916536
Total Base Non Water Volume:	0



Water Source	Percent
Groundwater, < 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
7.5% Hydrochloric Acid	KLX Energy Services	Acid					
FDP-S1540-25	Halliburton	Friction Reducer					
FE-2A	Halliburton	Additive					
Fresh Water	Operator	Base Fluid					
HAI-501	Halliburton	Acid Corrosion Inhibitor					
LEGEND(TM) LD-7750W	MultiChem	Scale Control					
MC B-8123	MultiChem	Biocide					
MC MX 2-2822	MultiChem	Scale Inhibitor					
SAND-COMMON WHITE 40/70	Halliburton	Proppant					

08/28/2026

SAND-COMMON WHITE, 100M	Halliburton	Proppant					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	87.89303	None
			Crystalline silica, quartz	14808-60-7	100.00000	11.90649	None
			Water	7732-18-5	100.00000	0.13579	None
			Complex Amine Compound	Proprietary	60.00000	0.04141	None
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.02071	None
			Hydrochloric acid	7647-01-0	7.50000	0.00818	None
			Methanol	67-56-1	100.00000	0.00620	None
			Amines, polyethylenepoly-, ethoxylated, phosphonomethylated, sodium salts	70900-16-2	30.00000	0.00424	None
			Ammonium salt	Proprietary	5.00000	0.00345	None
			Ethoxylated alcohol	Proprietary	5.00000	0.00345	None
			Glutaraldehyde	111-30-8	30.00000	0.00254	None
			Sodium chloride	7647-14-5	5.00000	0.00086	None
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1.00000	0.00069	None
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	1.00000	0.00069	None
			Fatty nitrogen derived amides	Proprietary	1.00000	0.00069	None
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	5.00000	0.00042	None
			Citric acid	77-92-9	60.00000	0.00042	None
			Phosphoric Acid Salt	Proprietary	5.00000	0.00016	None
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00002	None
			Modified thiourea polymer	Proprietary	30.00000	0.00002	None
			Formaldehyde	50-00-0	0.10000	0.00002	None
			Propargyl alcohol	107-19-7	5.00000	0.00000	None
			Hexadecene	629-73-2	5.00000	0.00000	None
			Ethoxylated alcohols	Proprietary	5.00000	0.00000	None

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

08/28/2026

** 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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