

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

API 47-049-02596 County Marion District Paw Paw
Quad Grant Town Pad Name Green Lakes Field/Pool Name _____
Farm name Ministers Run Property Management LLC Well Number 7H A
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	<u>4382119.4</u>	Easting	<u>574601.1</u>
Landing Point of Curve	Northing	<u>4381769.1</u>	Easting	<u>574009.6</u>
Bottom Hole	Northing	<u>4386216.2</u>	Easting	<u>570678.1</u>

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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 9/2/25 Date drilling ceased 11/2/25
Date completion activities began 11/18/25 Date completion activities ceased 12/31/25
Verbal plugging (Y/N) _____ Date permission granted _____ Granted by _____

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

Freshwater depth(s) ft <u>816'</u>	Open mine(s) (Y/N) depths <u>N</u>
Salt water depth(s) ft <u>2271'</u>	Void(s) encountered (Y/N) depths <u>N</u>
Coal depth(s) ft <u>652 657 Waynesburg, 700 705 Sewickley, 808 816 Pittsburgh</u>	Cavern(s) encountered (Y/N) depths <u>N</u>
Is coal being mined in area (Y/N) <u>N</u>	

Reviewed
Approved

Reviewed by:

[Signature]
08/21/2026
8-13-26

WR-35
Rev. 8/23/13

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API 47-049 - 02596 Farm name Ministers Run Property Management LLC Well number 7H A

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	22"	13 3/8"	910'	New	J 55/54.5	657.2	Y/61 bbls
Coal							
Intermediate 1	12 1/4"	9 5/8"	2,447'	New	J 55/36	2115.5	Y/24 bbls
Intermediate 2							
Intermediate 3							
Production	8 1/2"	5 1/2"	27,532'	New	HP P 110/23	N/A	N
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	Class A	214	15.6	1.18	252.52	CTS	>72
Surface	Class L	1190	15.6	1.14	1357	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	5135	14.5	1.16	5957	1148	>72
Tubing							

Drillers TD (ft) 27558' Loggers TD (ft) 27532'

Deepest formation penetrated Huntersville (pilot hole) Plug back to (ft) 4284'

Plug back procedure Plug back pilot hole well set cement plugs from vertical TD 8209' to 4284'. Wait on cement kicked off with directional tools.

Kick off depth (ft) 8050'

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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PERFORATION RECORD

[illegible]

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DEPTHS

Marcellus	7978'	TVD	27,558'	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 2061 psi Bottom Hole 4478 psi DURATION OF TEST 24 hrs

OPEN FLOW	Gas	Oil	NGL	Water	GAS MEASURED BY		
1135	mcfpd	bpd	bpd	bpd	☐ Estimated	☐ Orifice	☐ Pilot

[illegible][illegible]

Please insert additional pages as applicable.

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

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

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

Stimulating Company Halliburton
Address 3000 Sam Houston Pkwy E City Houston State TX Zip 77032

Please insert additional pages as applicable.

Completed by Hollie Medley Telephone 304 212 0422
Signature Hollie Medley Title Regulatory Manager Date 5-24-26

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

08/21/2026

Green Lakes 7H Perforation Report				
Stage Number	Report Date	Total Shots	Cluster 1 Top TD	Cluster 5 Bottom TD
1	11/18/2025			27,422
2	11/18/2025	40	27,378	27,218
3	11/18/2025	40	27,176	27,016
4	11/19/2025	40	26,973	26,813
5	11/19/2025	40	26,771	26,611
6	11/19/2025	40	26,568	26,408
7	11/20/2025	40	26,366	26,206
8	11/20/2025	40	26,163	26,003
9	11/20/2025	40	25,961	25,801
10	11/21/2025	40	25,759	25,599
11	11/21/2025	40	25,556	25,396
12	11/22/2025	40	25,354	25,194
13	11/22/2025	40	25,151	24,991
14	11/23/2025	40	24,949	24,789
15	11/23/2025	40	24,746	24,586
16	11/24/2025	40	24,544	24,384
17	11/24/2025	40	24,341	24,181
18	11/25/2025	40	24,139	23,979
19	11/25/2025	40	23,936	23,776
20	11/26/2025	40	23,734	23,574
21	11/26/2025	40	23,532	23,372
22	11/27/2025	40	23,329	23,169
23	11/27/2025	40	23,127	22,967
24	11/28/2025	40	22,924	22,764
25	11/28/2025	40	22,722	22,562
26	11/29/2025	40	22,519	22,359
27	11/29/2025	40	22,317	22,157
28	11/30/2025	40	22,114	21,954
29	11/30/2025	40	21,912	21,752
30	12/1/2025	40	21,710	21,550
31	12/2/2025	40	21,507	21,347
32	12/3/2025	40	21,305	21,145
33	12/3/2025	40	21,102	20,942
34	12/4/2025	40	20,900	20,740
35	12/4/2025	40	20,697	20,537
36	12/5/2025	40	20,495	20,335
37	12/5/2025	40	20,292	20,132
38	12/6/2025	40	20,090	19,930
39	12/7/2025	40	19,887	19,727

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40	12/7/2025	40	19,685	19,525
41	12/8/2025	40	19,483	19,323
42	12/9/2025	40	19,280	19,120
43	12/9/2025	40	19,078	18,918
44	12/10/2025	40	18,875	18,715
45	12/10/2025	40	18,673	18,513
46	12/11/2025	40	18,470	18,310
47	12/11/2025	40	18,268	18,108
48	12/11/2025	40	18,065	17,905
49	12/12/2025	40	17,863	17,703
50	12/12/2025	40	17,661	17,501
51	12/13/2025	40	17,458	17,298
52	12/13/2025	40	17,256	17,096
53	12/15/2025	40	17,053	16,893
54	12/15/2025	40	16,851	16,691
55	12/16/2025	40	16,648	16,488
56	12/16/2025	40	16,446	16,286
57	12/17/2025	40	16,243	16,083
58	12/17/2025	40	16,041	15,881
59	12/18/2025	40	15,838	15,678
60	12/18/2025	40	15,636	15,476
61	12/19/2025	40	15,434	15,274
62	12/19/2025	40	15,231	15,071
63	12/20/2025	40	15,029	14,869
64	12/20/2025	40	14,826	14,666
65	12/20/2025	40	14,624	14,464
66	12/21/2025	40	14,421	14,261
67	12/21/2025	40	14,219	14,059
68	12/22/2025	40	14,016	13,856
69	12/22/2025	40	13,814	13,654
70	12/22/2025	40	13,612	13,452
71	12/23/2025	40	13,409	13,249
72	12/23/2025	40	13,207	13,047
73	12/23/2025	40	13,004	12,844
74	12/24/2025	40	12,802	12,642
75	12/24/2025	40	12,599	12,439
76	12/25/2025	40	12,397	12,237
77	12/25/2025	40	12,194	12,034
78	12/26/2025	40	11,992	11,832
79	12/26/2025	40	11,789	11,629
80	12/26/2025	40	11,587	11,427
81	12/27/2025	40	11,385	11,225
82	12/27/2025	40	11,182	11,022
83	12/28/2025	40	10,980	10,820

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84	12/28/2025	40	10,777	10,617
85	12/28/2025	40	10,575	10,415
86	12/29/2025	40	10,372	10,212
87	12/29/2025	40	10,170	10,010
88	12/30/2025	40	9,967	9,807
89	12/30/2025	40	9,765	9,605
90	12/31/2025	40	9,563	9,403
91	12/31/2025	40	9,360	9,200
92	12/31/2025	40	9,158	8,998

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Green Lakes 7H

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	11/18/2025	5,199	9,104	10,495	92	890	7,262	300,080	576	154
2	11/18/2025	5,529	5,447	10,733	97	74	13,115	650,660	573	144
3	11/18/2025	5,320	4,545	10,783	98	20	13,051	652,520	577	143
4	11/19/2025	5,532	8,283	10,934	98	20	12,789	649,980	566	145
5	11/19/2025	5,303	8,501	10,898	98	20	12,657	650,310	565	142
6	11/19/2025	6,048	4,784	11,205	98	20	12,701	648,320	560	141
7	11/20/2025	5,982	7,554	10,706	98	20	12,743	654,080	561	142
8	11/20/2025	6,082	5,946	10,651	99	20	13,160	650,420	538	158
9	11/20/2025	5,777	6,163	10,763	98	20	12,735	650,120	548	143
10	11/21/2025	5,857	6,146	10,855	98	20	12,874	653,720	543	142
11	11/21/2025	5,652	6,195	10,473	98	20	12,672	650,060	538	141
12	11/22/2025	6,333	5,541	11,109	98	20	12,774	656,000	534	143
13	11/22/2025	5,790	6,317	10,617	98	20	12,767	649,080	688	141
14	11/23/2025	5,536	6,285	10,573	98	20	12,781	655,300	522	143
15	11/23/2025	6,254	4,607	10,747	98	20	12,679	650,800	527	139
16	11/24/2025	6,006	7,635	10,848	99	20	12,708	650,080	602	140
17	11/24/2025	6,066	4,569	10,582	99	20	12,780	650,300	538	139
18	11/25/2025	5,869	7,546	10,961	99	20	12,746	650,560	512	141
19	11/25/2025	5,980	11,700	11,331	99	20	12,649	649,560	509	140
20	11/26/2025	5,579	6,959	11,458	97	20	12,513	650,280	503	142
21	11/26/2025	6,123	9,439	11,326	98	20	12,618	653,160	497	139
22	11/27/2025	6,267	10,695	11,139	98	20	12,528	649,920	492	140
23	11/27/2025	5,682	7,118	11,115	99	20	12,501	649,920	488	138
24	11/28/2025	5,743	5,131	11,112	98	20	12,606	650,080	490	142
25	11/28/2025	5,637	9,999	11,005	99	20	12,474	652,020	491	137
26	11/29/2025	6,242	6,592	11,173	98	20	12,520	649,860	474	141
27	11/29/2025	6,658	8,603	10,990	100	20	12,506	649,960	471	137
28	11/30/2025	6,596	6,542	10,751	96	20	13,826	650,820	588	170
29	11/30/2025	6,321	7,700	11,110	98	20	12,576	650,100	475	140
30	12/1/2025	6,097	7,422	10,778	98	20	12,624	649,880	575	140
31	12/2/2025	4,779	6,141	10,836	98	20	12,706	650,080	457	141
32	12/3/2025	6,309	6,733	10,423	99	20	12,415	650,100	448	138
33	12/3/2025	5,854	6,407	10,589	99	20	12,535	648,390	444	138
34	12/4/2025	6,935	7,087	10,518	98	20	12,588	650,050	566	139
35	12/4/2025	5,500	7,709	10,763	98	20	12,387	649,880	435	138
36	12/5/2025	5,468	6,093	10,441	99	20	12,414	650,300	431	137
37	12/5/2025	5,166	6,559	10,450	98	20	12,322	654,210	426	138
38	12/6/2025	6,228	6,183	10,636	97	20	12,255	649,980	564	137
39	12/7/2025	5,432	6,746	10,264	98	20	12,266	650,140	418	136
40	12/7/2025	5,563	7,061	10,662	98	20	12,293	650,560	414	137
41	12/8/2025	6,090	6,664	10,620	99	20	12,207	649,790	409	135

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42	12/9/2025	5,687	6,545	10,503	98	20	12,373	648,920	413	137
43	12/9/2025	5,912	6,759	10,780	98	20	12,035	650,240	403	134
44	12/10/2025	5,725	7,450	10,937	98	20	12,246	648,500	401	136
45	12/10/2025	6,021	6,603	10,473	98	20	12,261	652,620	404	139
46	12/11/2025	5,417	6,708	10,433	98	20	12,256	649,990	389	136
47	12/11/2025	5,947	6,525	10,397	98	20	12,281	652,420	395	138
48	12/11/2025	6,003	6,923	10,803	98	20	12,289	654,160	381	136
49	12/12/2025	5,436	6,021	10,456	98	20	12,294	650,080	386	139
50	12/12/2025	5,463	6,629	10,336	98	20	12,262	650,040	373	137
51	12/13/2025	6,023	6,816	10,418	99	20	12,227	650,080	375	137
52	12/13/2025	5,642	6,555	10,355	98	20	12,111	649,160	370	136
53	12/15/2025	5,413	6,760	10,862	98	20	12,485	649,960	350	138
54	12/15/2025	5,997	7,947	10,614	98	20	12,287	638,940	413	136
55	12/16/2025	5,261	6,690	10,688	98	20	12,419	650,280	354	139
56	12/16/2025	6,472	7,240	10,656	99	20	12,480	650,000	360	136
57	12/17/2025	6,402	7,383	10,491	98	20	12,127	650,000	354	135
58	12/17/2025	6,217	6,598	10,639	98	20	12,264	652,920	344	135
59	12/18/2025	5,483	6,667	10,507	98	20	12,172	650,320	340	135
60	12/18/2025	7,133	6,153	10,186	99	20	12,121	650,080	329	134
61	12/19/2025	5,421	7,147	10,893	98	20	12,281	649,980	324	134
62	12/19/2025	6,402	7,219	9,956	99	20	12,154	650,160	320	134
63	12/20/2025	7,084	73,116	10,636	99	20	12,253	649,980	315	133
64	12/20/2025	6,806	6,500	10,326	99	20	12,213	652,480	325	135
65	12/20/2025	5,904	7,026	10,602	99	20	12,237	649,740	306	132
66	12/21/2025	7,016	8,406	10,381	100	20	12,165	650,090	300	130
67	12/21/2025	6,250	6,776	10,156	100	20	12,218	650,220	305	133
68	12/22/2025	6,716	6,996	10,055	100	20	12,156	649,980	297	128
69	12/22/2025	6,111	6,631	9,807	99	20	12,864	650,240	402	142
70	12/22/2025	6,450	6,252	9,805	101	20	12,199	654,440	283	132
71	12/23/2025	6,287	7,975	9,665	101	20	12,155	655,200	379	129
72	12/23/2025	6,578	6,622	9,647	100	20	12,161	649,940	276	133
73	12/23/2025	6,281	7,962	9,813	101	20	12,123	649,920	270	130
74	12/24/2025	6,322	7,133	10,594	99	20	12,322	646,900	268	136
75	12/24/2025	6,611	7,161	9,827	101	20	12,080	650,240	344	130
76	12/25/2025	6,689	8,820	9,897	100	20	12,141	649,900	260	130
77	12/25/2025	6,200	7,483	9,781	101	20	12,316	651,280	255	133
78	12/26/2025	6,360	7,894	9,857	101	20	12,224	649,900	252	131
79	12/26/2025	5,510	7,182	9,685	102	20	12,247	650,140	246	130
80	12/26/2025	6,903	8,710	9,711	102	20	12,206	652,380	247	129
81	12/27/2025	6,546	8,804	9,897	102	20	12,311	649,970	238	131
82	12/27/2025	5,776	6,927	9,818	101	20	12,157	650,040	233	131
83	12/28/2025	6,217	8,619	9,745	101	20	12,134	649,960	276	129
84	12/28/2025	5,412	7,845	9,604	100	20	12,096	649,090	225	131
85	12/28/2025	5,957	8,381	9,711	101	20	12,340	650,040	228	131
86	12/29/2025	5,319	7,014	9,695	100	20	12,222	650,640	216	131
87	12/29/2025	6,145	7,522	9,463	101	20	12,149	650,110	302	131
88	12/30/2025	5,839	8,290	9,332	102	20	12,089	649,940	287	128

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89	12/30/2025	5,656	7,154	9,366	101	20	12,264	650,600	203	132
90	12/31/2025	5,828	7,136	9,153	100	20	12,012	650,080	333	131
91	12/31/2025	5,774	6,538	8,948	101	20	12,130	650,260	195	130
92	12/31/2025	6,605	6,908	8,847	101	20	12,065	654,560	191	129

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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

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MARION NATURAL ENERGY



Area: Monongalia County, WV
Field: Monongalia
Facility: Green Lakes Pad
Slot: 7H-A

Well: Green Lakes 7H-A ST01
UWI: 47049025610100
Wellbore: Green Lakes 7H-A ST01 AWB
Wellpath: Green Lakes 7H-A ST01 AWP PROJ: 27558'

Plot reference wellpath is Green Lakes 7H-A ST01 AWP PROJ: 27558'

Grid System: NAD83 / Lambert West Virginia SP, Northern Zone (4701), US feet

True vertical depths are referenced to Patterson 571 (KB)

North Reference: Grid north

Reference wellpath measured depths are referenced to Patterson 571 (KB)

Scale: True distance

Patterson 571 (KB) to Mean Sea Level: 1473 feet

Coordinates are in feet referenced to Slot

Mean Sea Level to Ground level (At Slot: 7H-A): -1448 feet

Depths are in feet

Offset wellpath MDs are referenced to each path's default MD datum

Created by: tranlam on 2025-11-03; Database: WA_MPL_EASTERNUS_Defn

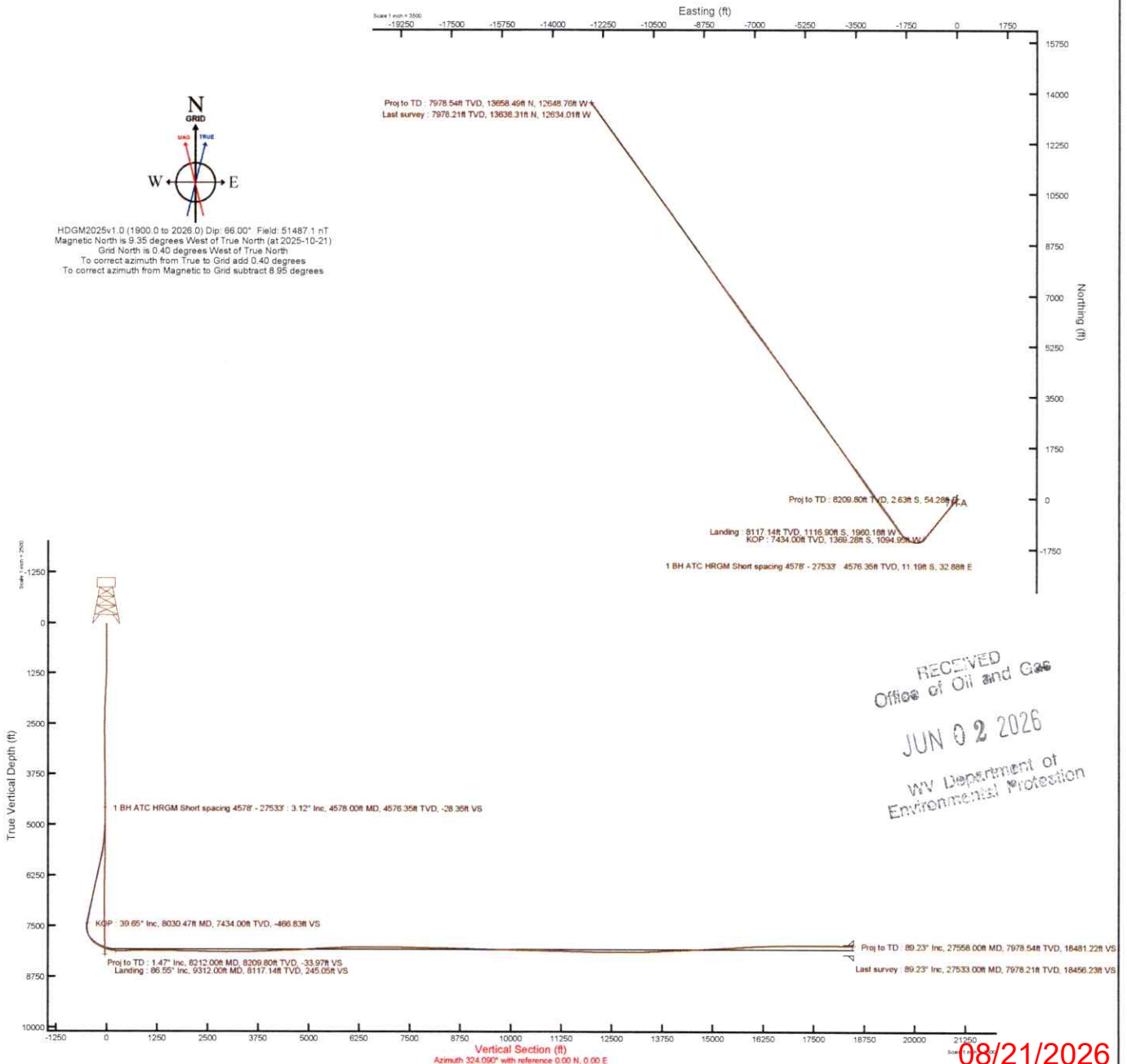
Location Information

Facility Name			Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Green Lakes Pad			1790597.360	396148.390	39°35'9.3152N	80°07'52.4757W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
7H-A	-134.68	-9.35	1790588.010	396013.720	39°35'7.9835N	80°07'52.5831W
Patterson 571 (KB) to Ground level (At Slot: 7H-A)					25ft	
Mean Sea Level to Ground level (At Slot: 7H-A)					-1448ft	
Patterson 571 (KB) to Mean Sea Level					1473ft	

Bottom Hole Location

MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
27558.00	89.230	323.820	7978.54	13658.49	-12648.76	1777940.02	409671.38	39°37'22.0570"N	80°10'35.4518"W

API: 47049025610100
BH JOB: 112855305
DURATION: 10/21/2025 - 10/30/2025
RIG: Patterson 571

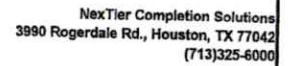


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NexTier Completion Solutions
3990 Rogerdale Rd., Houston, TX 77042
(713)325-6000

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[illegible]

OPEN HOLE DATA			TUBULAR DATA									
22 in. O.H. 125 to 914 ft			13.375 in. 54.5#, (0 to 914 ft)			SIZE WEIGHT	THRD	DEPTH	GRADE	ID	BURST	COLLAPSE
Ambient Tmp.	Bulk Tmp.	Slurry 1 Tmp.	Slurry 2 Tmp.	Slurry 3 Tmp.	Slurry 4 Tmp.			(ft)		(in)	(psi)	(psi)
74.0 °F	74.0 °F	87.0 °F	87.0 °F			13 3/8 54.5#	BTC	910	J-55	12.615	2730	1130

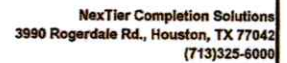
PREVIOUS CASING DATA	PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS			
24 in. 100.5# (0 to 125 ft)	TOP	BTM	SPF	SIZE	SHOE	FLOAT	STAGE	ACP
					910	823	2	

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		127.2 bbl	H2O	8.3 ppg		310	269	3000		7	64.0 °F	1600
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	300.00	Y	-	61.00	-	Yes	1,300.00	No	4.00	No	25	

LAND PLUG 300 PSI TO 1300 PSI, 61 BBL CMT TO SURFACE, FLOATS HELED 1.5 BBL H2O BACK ON FLOAT CHECK

3-Sep-25
Date

08/21/2026

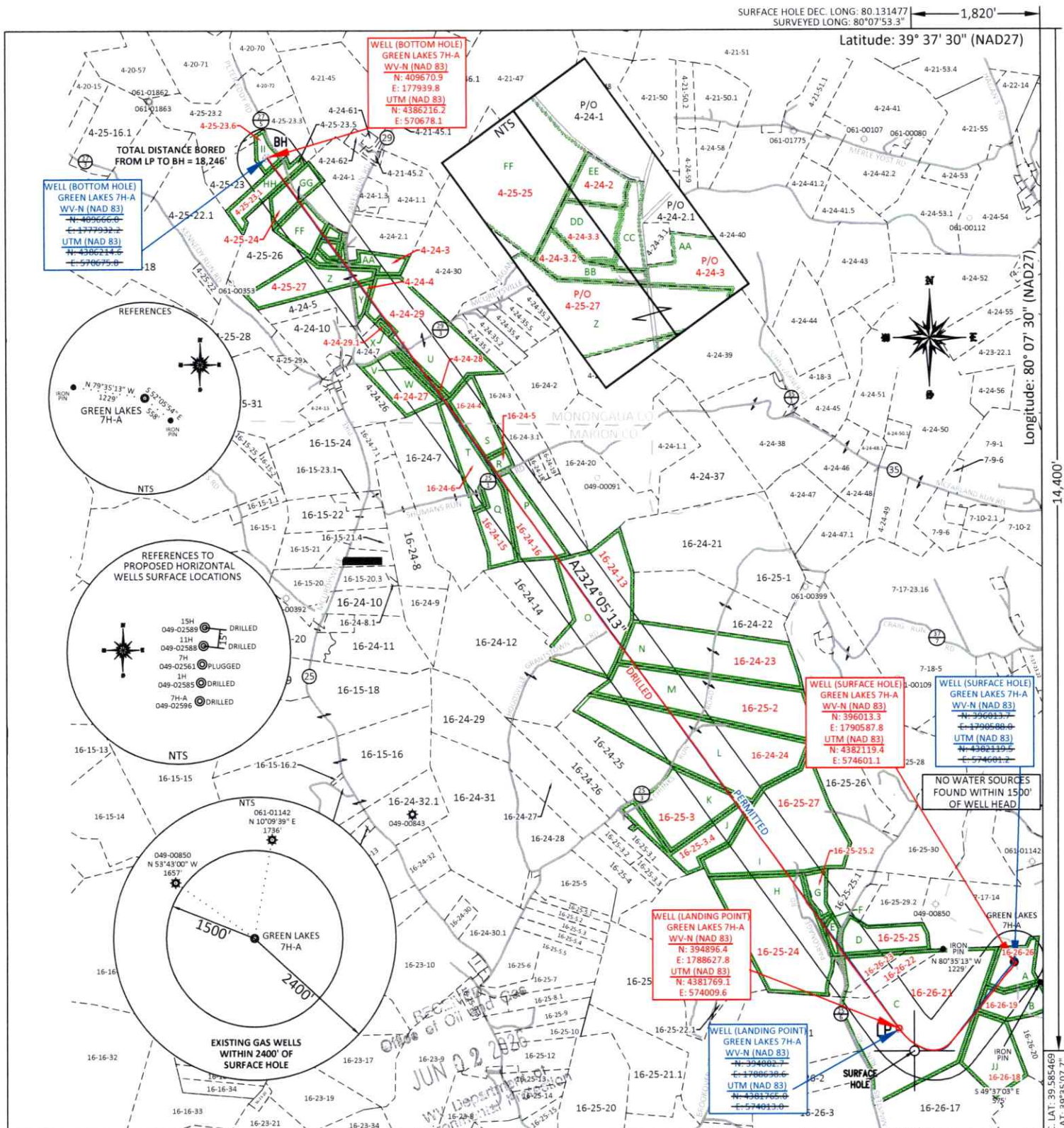
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Comments/Additional Details:
55 bbls of spacer to surface. Top of cement @ 1148.23'

	1-Nov-25
	Service Supervisor Date

08/21/2026



FILE #: NNE20	I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS	
DRAWING #: 4134	PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND	
SCALE: PLAT: 1" = 2400' TICK: 1" = 2000'	BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY	
MINIMUM DEGREE OF ACCURACY: 1/200	LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY	
PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS	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	DATE: APRIL 3, 2026
Well Type: ☐ Oil ☐ Waste Diposal ☐ Production ☐ Deep ☒ Gas ☐ Liquid Injection ☐ Storage ☒ Shallow	OPERATOR'S WELL #: GREEN LAKES 7H-A (AS-DRILLED)
WATERSHED: Upper Monongahela River	API WELL #: 47 STATE 49 COUNTY 02596 PERMIT
COUNTY/DISTRICT: MONONGALIA CO., GRANT DISTRICT / MARION CO., PAW PAW DISTRICT	AS-BUILT ELEVATION: 1,448.7'
SURFACE OWNER: Ministers Run Property Management LLC	QUADRANGLE: GRANT TOWN
OIL & GAS ROYALTY OWNER: Luther E. Howell and Nettie E. Howell	ACREAGE: 830.72
LEASE NUMBERS:	ACREAGE: 12.97 +/-
TARGET FORMATION: MARCELLUS	DRILLED DEPTH: PILOT TVD: 8,209' TVD: 7,978' TMD: 27,558'
WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC	DESIGNATED AGENT: JOHN ADAMS
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200	ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
CITY: CHARLESTON STATE: WV ZIP CODE: 25301	CITY: CHARLESTON STATE: WV ZIP CODE: 25301

PROPERTY INDEX	
4-25-23.6	MICHAEL L & AMBER D PAYTON
4-25-23.1	LONGIN PIOTROWSKI
4-25-24	BARBARA J COPEN
4-25-25	MARION & TONIA MITCHELL
4-24-2	MARION & TONIA MITCHELL
4-24-3.3	SHANNON K SUTPHIN
4-24-3.2	WARREN BROOK TROUT
4-25-27	DAVID S BRACKEN II & DEBRA L SHAFFER
4-24-3	WARREN BROOK TROUT & WARREN BROOK TROUT II
4-24-4	SHUMAN INC
4-24-29	DAVID E EDDY
4-24-29.1	MCCURDYSVILLE CEMETERY
4-24-27	RUTH MARILYN & COREY M HURLEY
4-24-28	RUTH MARILYN & COREY M HURLEY
16-24-4	KEVIN L & JODI L BUTCHER
16-24-5	KEVIN L & JODI L BUTCHER
16-24-6	LLOYD W & WALTER S MUNDELL
16-24-15	RICHARD A MICHAEL
16-24-16	ROBERT HANNAH
16-24-13	STEVE J KISH SR ETAL
16-24-23	GENE J & LORENA M BRAGG
16-25-3	HAROLD E PERKINS
16-25-3.4	REGINA A ENNIS (LIFE 1225-914)
16-25-2	WILLIAM R & JONNETTE D BRAGG
16-24-24	WILLIAM R & JONNETT D BRAGG
16-25-27	RICHARD STEPHEN MICHAEL
16-25-24	JAMES W BURTON III
16-25-25.2	JAMES W BURTON III
16-25-25	HEATHER ALKIRE
16-26-23	MARY A BURTON
16-26-22	JERRY G & SHARON D SISLER
16-26-26	MINISTERS RUN PROPERTY MANAGEMENT LLC
16-26-21	JERRY G & SHARON D SISLER
16-26-19	GARY W DAYTON
16-26-18	GARY W DAYTON

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LEASE INDEX			
A	WV-049-106675-001	S	WV-049-006364-001
B	WV-049-106358-001	T	WV-049-006322-001
C	WV-049-106380-001	U	WV-061-001377-100
D	WV-049-106638-007	V	WV-061-004574-000
E	WV-049-106638-007	W	WV-061-004359-007
F	WV-049-106688-001	X	WV-061-001377-100
G	WV-049-106679-002	Y	WV-061-004700-003
H	WV-049-106457-001	Z	WV-061-004259-001
I	WV-049-104417-002	AA	WV-061-004295-002
J	WV-049-106493-001	BB	WV-061-004296-002
K	WV-049-086241-001	CC	WV-061-004731-000
L	WV-049-105165-001	DD	WV-061-004731-000
M	WV-049-106604-002	EE	WV-061-004739-001
N	WV-049-104202-010	FF	WV-061-004739-001
O	WV-049-106392-001	GG	WV-061-002330-003
P	WV-049-106592-001	HH	WV-061-003015-015
Q	WV-049-004684-000	II	WV-061-003015-015
R	WV-049-006364-001	JJ	WV-049-106358-001

08/21/2026

FILE #: NEE20
DRAWING #: 4134
SCALE: N/A

DATE: APRIL 3, 2026
OPERATOR'S WELL #: GREEN LAKES 7H-A
API WELL #: 47 49 02596
STATE COUNTY PERMIT

WELL NAME: GREEN LAKES 7H-A
GRANT TOWN



TOTAL DISTANCE BORED
FROM LP TO BH = 18,246'

BLACKSVILLE QUAD

Hagans

McCurdyville

AZ324°05'13"

08/21/2026



GRAPHIC SCALE

3607 38

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	11/18/2025
Job End Date:	12/31/2025
State:	West Virginia
County:	Marion
API Number:	47-049-02596-00-00
Operator Name:	Northeast Natural Energy LLC
Well Name and Number:	Green Lakes 7H-A
Latitude:	39.585551
Longitude:	-80.131273
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	8136.2382
Total Base Water Volume (gal)*:	50090699
Total Base Non Water Volume:	0



Water Source	Percent
Groundwater, < 1000TDS	100.00%

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
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					

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SAND-COMMON WHITE, 100M	Halliburton	Proppant					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	87.36155	None
			Crystalline silica, quartz	14808-60-7	100.00000	12.44339	None
			Water	7732-18-5	100.00000	0.13100	None
			Complex Amine Compound	Proprietary	60.00000	0.04171	None
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.02086	None
			Hydrochloric acid	7647-01-0	7.50000	0.00782	None
			Methanol	67-56-1	100.00000	0.00616	None
			Amines, polyethylenepoly-, ethoxylated, phosphonomethylated, sodium salts	70900-16-2	30.00000	0.00382	None
			Ethoxylated alcohol	Proprietary	5.00000	0.00348	None
			Ammonium salt	Proprietary	5.00000	0.00348	None
			Glutaraldehyde	111-30-8	30.00000	0.00254	None
			Sodium chloride	7647-14-5	5.00000	0.00083	None
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1.00000	0.00070	None
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	1.00000	0.00070	None
			Fatty nitrogen derived amides	Proprietary	1.00000	0.00070	None
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	5.00000	0.00042	None
			Citric acid	77-92-9	60.00000	0.00039	None
			Phosphoric Acid Salt	Proprietary	5.00000	0.00019	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

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38738

** 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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