

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	04/28/2024
Job End Date:	05/16/2024
State:	Pennsylvania
County:	Washington
API Number:	37-125-29039-00-01
Operator Name:	CNX Gas Company LLC
Well Name and Number:	CNX WFN12AHSM
Latitude:	40.013969
Longitude:	-80.442462
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7030
Total Base Water Volume (gal)*:	20525316
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.65942%
Crystalline Silica in the form of Quartz	14808-60-7	16.17126%
Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate Copolymer	69418-26-4	0.03231%
Alkanes, C12-26-Branched and Linear	90622-53-0	0.03231%
Hydrogen chloride	7647-01-0	0.02210%
Ethoxylated Alcohols (C12-16)	68551-12-2	0.00404%
Glutaraldehyde	111-30-8	0.00203%
AA/ATBS Co-polymer	9003-05-8	0.00105%
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00105%
Didecyl dimethyl ammonium chloride	7173-51-5	0.00030%
Quaternary Ammonium Compounds	68424-85-1	0.00030%
Citric acid	77-92-9	0.00027%
Methyl alcohol	67-56-1	0.00027%
Ethanol	64-17-5	0.00015%
Ethylene glycol	107-21-1	0.00008%
N,N-Dimethylformamide	68-12-2	0.00004%

2-Butoxyethanol	111-76-2	0.00002%
Cinnamaldehyde	104-55-2	0.00002%
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	127087-87-0	0.00002%
Tar Bases, quinoline derivs, benzyl chloride-quat	72480-70-7	0.00002%

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	04/28/2024
Job End Date:	05/12/2024
State:	Pennsylvania
County:	Washington
API Number:	37-125-29074-00-00
Operator Name:	CNX Gas Company LLC
Well Name and Number:	CNX WFN12BHSM
Latitude:	40.014024
Longitude:	-80.442464
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7065
Total Base Water Volume (gal)*:	29552460
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.35171%
Crystalline Silica in the form of Quartz	14808-60-7	16.48651%
Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate Copolymer	69418-26-4	0.02888%
Alkanes, C12-26-Branched and Linear	90622-53-0	0.02888%
Hydrogen chloride	7647-01-0	0.02194%
Ethoxylated Alcohols (C12-16)	68551-12-2	0.00361%
Glutaraldehyde	111-30-8	0.00202%
AA/ATBS Co-polymer	9003-05-8	0.00105%
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00105%
Didecyl dimethyl ammonium chloride	7173-51-5	0.00030%
Quaternary Ammonium Compounds	68424-85-1	0.00030%
Citric acid	77-92-9	0.00027%
Methyl alcohol	67-56-1	0.00027%
Ethanol	64-17-5	0.00015%
Ethylene glycol	107-21-1	0.00008%
N,N-Dimethylformamide	68-12-2	0.00004%

2-Butoxyethanol	111-76-2	0.00002%
Cinnamaldehyde	104-55-2	0.00002%
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branch:	127087-87-0	0.00002%
Tar Bases, quinoline derivs, benzyl chloride-quat	72480-70-7	0.00002%

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	04/28/2024
Job End Date:	05/23/2024
State:	Pennsylvania
County:	Washington
API Number:	37-125-29075-00-00
Operator Name:	CNX Gas Company LLC
Well Name and Number:	CNX WFN12CHSM
Latitude:	40.01397
Longitude:	-80.44239
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7076
Total Base Water Volume (gal)*:	29019060
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.43486%
Crystalline Silica in the form of Quartz	14808-60-7	16.39634%
Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate Copolymer	69418-26-4	0.03194%
Alkanes, C12-26-Branched and Linear	90622-53-0	0.03194%
Hydrogen chloride	7647-01-0	0.02212%
Ethoxylated Alcohols (C12-16)	68551-12-2	0.00399%
Glutaraldehyde	111-30-8	0.00202%
AA/ATBS Co-polymer	9003-05-8	0.00105%
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00105%
Didecyl dimethyl ammonium chloride	7173-51-5	0.00030%
Quaternary Ammonium Compounds	68424-85-1	0.00030%
Citric acid	77-92-9	0.00027%
Methyl alcohol	67-56-1	0.00027%
Ethanol	64-17-5	0.00015%
Ethylene glycol	107-21-1	0.00008%
N,N-Dimethylformamide	68-12-2	0.00004%

2-Butoxyethanol	111-76-2	0.00002%
Cinnamaldehyde	104-55-2	0.00002%
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branch	127087-87-0	0.00002%
Tar Bases, quinoline derivs, benzyl chloride-quat	72480-70-7	0.00002%

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	05/24/2024
Job End Date:	06/09/2024
State:	Pennsylvania
County:	Washington
API Number:	37-125-29076-00-00
Operator Name:	CNX Gas Company LLC
Well Name and Number:	CNX WFN12DHSM
Latitude:	40.014026
Longitude:	-80.442393
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7076
Total Base Water Volume (gal)*:	28940688
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.36241%
Crystalline Silica in the form of Quartz	14808-60-7	16.50220%
Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate Copolymer	69418-26-4	0.02826%
Alkanes, C12-26-Branched and Linear	90622-53-0	0.02826%
Hydrogen chloride	7647-01-0	0.01497%
Ethoxylated Alcohols (C12-16)	68551-12-2	0.00353%
Glutaraldehyde	111-30-8	0.00203%
AA/ATBS Co-polymer	9003-05-8	0.00105%
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00105%
Didecyl dimethyl ammonium chloride	7173-51-5	0.00030%
Quaternary Ammonium Compounds	68424-85-1	0.00030%
Citric acid	77-92-9	0.00019%
Methyl alcohol	67-56-1	0.00018%
Ethanol	64-17-5	0.00015%
Ethylene glycol	107-21-1	0.00005%
N,N-Dimethylformamide	68-12-2	0.00003%

2-Butoxyethanol	111-76-2	0.00001%
Cinnamaldehyde	104-55-2	0.00001%
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	127087-87-0	0.00001%
Tar Bases, quinoline derivs, benzyl chloride-quat	72480-70-7	0.00001%

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	05/24/2024
Job End Date:	06/09/2024
State:	Pennsylvania
County:	Washington
API Number:	37-125-29077-00-00
Operator Name:	CNX Gas Company LLC
Well Name and Number:	CNX WFN12EHSM
Latitude:	40.01397
Longitude:	-80.44231
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7076
Total Base Water Volume (gal)*:	29993250
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.39877%
Crystalline Silica in the form of Quartz	14808-60-7	16.46758%
Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate Copolymer	69418-26-4	0.02901%
Alkanes, C12-26-Branched and Linear	90622-53-0	0.02901%
Hydrogen chloride	7647-01-0	0.01406%
Ethoxylated Alcohols (C12-16)	68551-12-2	0.00363%
Glutaraldehyde	111-30-8	0.00203%
AA/ATBS Co-polymer	9003-05-8	0.00105%
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00105%
Didecyl dimethyl ammonium chloride	7173-51-5	0.00030%
Quaternary Ammonium Compounds	68424-85-1	0.00030%
Citric acid	77-92-9	0.00017%
Methyl alcohol	67-56-1	0.00017%
Ethanol	64-17-5	0.00015%
Ethylene glycol	107-21-1	0.00005%
N,N-Dimethylformamide	68-12-2	0.00002%

2-Butoxyethanol	111-76-2	0.00001%
Cinnamaldehyde	104-55-2	0.00001%
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	127087-87-0	0.00001%
Tar Bases, quinoline derivs, benzyl chloride-quat	72480-70-7	0.00001%