

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	01/24/2024
Job End Date:	02/13/2024
State:	Pennsylvania
County:	Greene
API Number:	37-059-28316-00-00
Operator Name:	CNX Gas Company LLC
Well Name and Number:	MOR9JHSM
Latitude:	39.977524
Longitude:	-80.36588
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	8127
Total Base Water Volume (gal)*:	16058868
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.51822%
Crystalline Silica in the form of Quartz	14808-60-7	16.35520%
ACRYLAMIDE-CHLORIDE SALT OF TRIMETHYLAMMONIO-ETHYL ACRYLATE COPOLYMER	69418-26-4	0.03298%
ALKANES, C12-26-BRANCHED AND LINEAR	90622-53-0	0.03298%
Hydrogen chloride	7647-01-0	0.01587%
Ethoxylated alcohols (C12-16)	68551-12-2	0.00412%
Glutaraldehyde	111-30-8	0.00204%
AA/ATBS Co-polymer	9003-05-8	0.00063%
Didecyl dimethyl ammonium chloride	7173-51-5	0.00031%
Quaternary Ammonium Compounds	68424-85-1	0.00031%
Citric acid	77-92-9	0.00018%
Methyl alcohol	67-56-1	0.00018%
Ethanol	64-17-5	0.00015%
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00013%
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%

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Job Start Date:	01/24/2024
Job End Date:	02/18/2024
State:	Pennsylvania
County:	Greene
API Number:	37-059-28315-00-00
Operator Name:	CNX Gas Company LLC
Well Name and Number:	MOR9KHSM
Latitude:	39.977492
Longitude:	-80.365822
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	8132
Total Base Water Volume (gal)*:	19428948
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.13662%
Crystalline Silica in the form of Quartz	14808-60-7	16.74309%
ACRYLAMIDE-CHLORIDE SALT OF TRIMETHYLAMMONIO-ETHYL ACRYLATE COPOLYMER	69418-26-4	0.03122%
ALKANES, C12-26-BRANCHED AND LINEAR	90622-53-0	0.03122%
Hydrogen chloride	7647-01-0	0.01476%
Ethoxylated alcohols (C12-16)	68551-12-2	0.00390%
Glutaraldehyde	111-30-8	0.00202%
AA/ATBS Co-polymer	9003-05-8	0.00063%
Didecyl dimethyl ammonium chloride	7173-51-5	0.00030%
Quaternary Ammonium Compounds	68424-85-1	0.00030%
Citric acid	77-92-9	0.00018%
Methyl alcohol	67-56-1	0.00017%
Ethanol	64-17-5	0.00015%
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00013%
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%

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	01/25/2024
Job End Date:	02/18/2024
State:	Pennsylvania
County:	Greene
API Number:	37-059-28314-00-00
Operator Name:	CNX Gas Company LLC
Well Name and Number:	MOR9LHSM
Latitude:	39.977569
Longitude:	-80.36584
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	8047
Total Base Water Volume (gal)*:	20426532
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.13171%
Crystalline Silica in the form of Quartz	14808-60-7	16.74327%
ACRYLAMIDE-CHLORIDE SALT OF TRIMETHYLAMMONIO-ETHYL ACRYLATE COPOLYMER	69418-26-4	0.03379%
ALKANES, C12-26-BRANCHED AND LINEAR	90622-53-0	0.03379%
Hydrogen chloride	7647-01-0	0.01499%
Ethoxylated alcohols (C12-16)	68551-12-2	0.00422%
Glutaraldehyde	111-30-8	0.00203%
AA/ATBS Co-polymer	9003-05-8	0.00063%
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%
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00013%
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%

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Job Start Date:	01/25/2024
Job End Date:	02/18/2024
State:	Pennsylvania
County:	Greene
API Number:	37-059-28317-00-00
Operator Name:	CNX Gas Company LLC
Well Name and Number:	MOR9MHSM
Latitude:	39.977537
Longitude:	-80.365781
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	8089
Total Base Water Volume (gal)*:	20362398
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.06246%
Crystalline Silica in the form of Quartz	14808-60-7	16.81978%
ACRYLAMIDE-CHLORIDE SALT OF TRIMETHYLAMMONIO-ETHYL ACRYLATE COPOLYMER	69418-26-4	0.03001%
ALKANES, C12-26-BRANCHED AND LINEAR	90622-53-0	0.03001%
Hydrogen chloride	7647-01-0	0.01455%
Ethoxylated alcohols (C12-16)	68551-12-2	0.00375%
Glutaraldehyde	111-30-8	0.00203%
AA/ATBS Co-polymer	9003-05-8	0.00063%
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%
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00013%
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%