



Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date: 12/14/2024
Job End Date: 12/28/2024
State: West Virginia
County: Monongalia
API Number: 47-061-01933-00-00
Operator Name: CNX Gas Company LLC
Well Name and Number: WDTN5PHSM
Latitude: 39.701595
Longitude: -80.334825
Datum: NAD83
Federal Well: NO
Indian Well: NO
True Vertical Depth: 8013
Total Base Water Volume (gal)*: 10833354
Total Base Non Water Volume: 0

Hydraulic Fracturing Fluid Composition

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.48536
Crystalline Silica in the form of Quartz	14808-60-7	16.39068
Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate Copolymer	69418-26-4	0.02324
Alkanes, C12-26-Branched and Linear	90622-53-0	0.02324
Hydrogen chloride	7647-01-0	0.01479
Ethoxylated Alcohols (C12-16)	68551-12-2	0.00291
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	0.00018
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: 12/14/2024
Job End Date: 12/29/2024
State: West Virginia
County: Monongalia
API Number: 47-061-01934-00-00
Operator Name: CNX Gas Company LLC
Well Name and Number: WDTN5QHSM
Latitude: 39.701595
Longitude: -80.334825
Datum: NAD83
Federal Well: NO
Indian Well: NO
True Vertical Depth: 7992
Total Base Water Volume (gal)*: 18835110
Total Base Non Water Volume: 0

Hydraulic Fracturing Fluid Composition

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.10512
Crystalline Silica in the form of Quartz	14808-60-7	16.76047
Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate Copolymer	69418-26-4	0.02873
Alkanes, C12-26-Branched and Linear	90622-53-0	0.02873
Hydrogen chloride	7647-01-0	0.01436
Ethoxylated Alcohols (C12-16)	68551-12-2	0.00359
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	0.00018
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: 12/14/2024
Job End Date: 12/29/2024
State: West Virginia
County: Monongalia
API Number: 47-061-01935-00-00
Operator Name: CNX Gas Company LLC
Well Name and Number: WDTN5RHSM
Latitude: 39.701595
Longitude: -80.334825
Datum: NAD83
Federal Well: NO
Indian Well: NO
True Vertical Depth: 8012
Total Base Water Volume (gal)*: 20947374
Total Base Non Water Volume: 0

Hydraulic Fracturing Fluid Composition

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	82.94015
Crystalline Silica in the form of Quartz	14808-60-7	16.92714
Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate Copolymer	69418-26-4	0.02981
Alkanes, C12-26-Branched and Linear	90622-53-0	0.02981
Hydrogen chloride	7647-01-0	0.01320
Ethoxylated Alcohols (C12-16)	68551-12-2	0.00373
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	0.00016
Methyl alcohol	67-56-1	0.00016
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-quaternary	72480-70-7	0.00001