



Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date: 07/17/2024
Job End Date: 09/12/2024
State: West Virginia
County: Monongalia
API Number: 47-061-01944-00-00
Operator Name: CNX Gas Company LLC
Well Name and Number: WDTN18AHSM
Latitude: 39.689299
Longitude: -80.358286
Datum: NAD83
Federal Well: NO
Indian Well: NO
True Vertical Depth: 7805
Total Base Water Volume (gal)*: 30506070
Total Base Non Water Volume: 0

Hydraulic Fracturing Fluid Composition

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.45696
Crystalline Silica in the form of Quartz	14808-60-7	16.41231
Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate Copolymer	69418-26-4	0.02126
Alkanes, C12-26-Branched and Linear	90622-53-0	0.02126
Acrylic Polymer	9003-05-8	0.01841
Hydrogen chloride	7647-01-0	0.01294
Ethoxylated Alcohols (C12-16)	68551-12-2	0.00266
Glutaraldehyde	111-30-8	0.00205
AA/ATBS Co-polymer	9003-05-8	0.00064
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00064
Didecyl dimethyl ammonium chloride	7173-51-5	0.00031
Quaternary Ammonium Compounds	68424-85-1	0.00031
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-quat	72480-70-7	0.00001



Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date: 07/17/2024

Job End Date: 09/12/2024

State: West Virginia

County: Monongalia

API Number: 47-061-01945-00-00

Operator Name: CNX Gas Company LLC

Well Name and Number: WDTN18BHSM

Latitude: 39.689299

Longitude: -80.358286

Datum: NAD83

Federal Well: NO

Indian Well: NO

True Vertical Depth: 7834

Total Base Water Volume (gal)*: 28489440

Total Base Non Water Volume: 0

Hydraulic Fracturing Fluid Composition

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.30052
Crystalline Silica in the form of Quartz	14808-60-7	16.56858
Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate Copolymer	69418-26-4	0.02050
Alkanes, C12-26-Branched and Linear	90622-53-0	0.02050
Acrylic Polymer	9003-05-8	0.01931
Hydrogen chloride	7647-01-0	0.01315
Ethoxylated Alcohols (C12-16)	68551-12-2	0.00256
Glutaraldehyde	111-30-8	0.00204
AA/ATBS Co-polymer	9003-05-8	0.00064
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00064
Didecyl dimethyl ammonium chloride	7173-51-5	0.00031
Quaternary Ammonium Compounds	68424-85-1	0.00031
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-quat	72480-70-7	0.00001



Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date: 07/17/2024

Job End Date: 09/12/2024

State: West Virginia

County: Monongalia

API Number: 47-061-01946-00-00

Operator Name: CNX Gas Company LLC

Well Name and Number: WDTN18CHSM

Latitude: 39.689299

Longitude: -80.358286

Datum: NAD83

Federal Well: NO

Indian Well: NO

True Vertical Depth: 7839

Total Base Water Volume (gal)*: 28010934

Total Base Non Water Volume: 0

Hydraulic Fracturing Fluid Composition

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.21520
Crystalline Silica in the form of Quartz	14808-60-7	16.65495
Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate Copolymer	69418-26-4	0.01995
Alkanes, C12-26-Branched and Linear	90622-53-0	0.01995
Acrylic Polymer	9003-05-8	0.01857
Hydrogen chloride	7647-01-0	0.01336
Ethoxylated Alcohols (C12-16)	68551-12-2	0.00249
Glutaraldehyde	111-30-8	0.00205
AA/ATBS Co-polymer	9003-05-8	0.00064
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00064
Didecyl dimethyl ammonium chloride	7173-51-5	0.00031
Quaternary Ammonium Compounds	68424-85-1	0.00031
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-quat	72480-70-7	0.00001



Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date: 06/15/2024

Job End Date: 07/16/2024

State: West Virginia

County: Monongalia

API Number: 47-061-01947-00-00

Operator Name: CNX Gas Company LLC

Well Name and Number: WDTN18DHSM

Latitude: 39.689299

Longitude: -80.358286

Datum: NAD83

Federal Well: NO

Indian Well: NO

True Vertical Depth: 7865

Total Base Water Volume (gal)*: 26401746

Total Base Non Water Volume: 0

Hydraulic Fracturing Fluid Composition

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	82.95426
Crystalline Silica in the form of Quartz	14808-60-7	16.90062
Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate Copolymer	69418-26-4	0.03077
Alkanes, C12-26-Branched and Linear	90622-53-0	0.03077
Hydrogen chloride	7647-01-0	0.01419
Acrylic Polymer	9003-05-8	0.00765
Ethoxylated Alcohols (C12-16)	68551-12-2	0.00385
Glutaraldehyde	111-30-8	0.00203
AA/ATBS Co-polymer	9003-05-8	0.00063
AA/Maleic Anhydride Co-polymer	9003-04-7	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
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: 06/15/2024
Job End Date: 07/16/2024
State: West Virginia
County: Monongalia
API Number: 47-061-01948-00-00
Operator Name: CNX Gas Company LLC
Well Name and Number: WDTN18EHSM
Latitude: 39.689299
Longitude: -80.358286
Datum: NAD83
Federal Well: NO
Indian Well: NO
True Vertical Depth: 7846
Total Base Water Volume (gal)*: 24719730
Total Base Non Water Volume: 0

Hydraulic Fracturing Fluid Composition

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.27725
Crystalline Silica in the form of Quartz	14808-60-7	16.57719
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	0.01444
Acrylic Polymer	9003-05-8	0.00913
Ethoxylated Alcohols (C12-16)	68551-12-2	0.00375
Glutaraldehyde	111-30-8	0.00203
AA/ATBS Co-polymer	9003-05-8	0.00063
AA/Maleic Anhydride Co-polymer	9003-04-7	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	0.00018
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: 06/15/2024

Job End Date: 07/15/2024

State: West Virginia

County: Monongalia

API Number: 47-061-01916-00-00

Operator Name: CNX Gas Company LLC

Well Name and Number: WDTN18UHSM

Latitude: 39.689299

Longitude: -80.358286

Datum: NAD83

Federal Well: NO

Indian Well: NO

True Vertical Depth: 7836

Total Base Water Volume (gal)*: 24670632

Total Base Non Water Volume: 0

Hydraulic Fracturing Fluid Composition

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.26934
Crystalline Silica in the form of Quartz	14808-60-7	16.58247
Acrylamide-Chloride Salt of Trimethylammonio-Ethyl Acrylate Copolymer	69418-26-4	0.03055
Alkanes, C12-26-Branched and Linear	90622-53-0	0.03055
Hydrogen chloride	7647-01-0	0.01460
Acrylic Polymer	9003-05-8	0.01002
Ethoxylated Alcohols (C12-16)	68551-12-2	0.00382
Glutaraldehyde	111-30-8	0.00204
AA/ATBS Co-polymer	9003-05-8	0.00063
AA/Maleic Anhydride Co-polymer	9003-04-7	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
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