



Job Start Date:	7/19/2023
Job End Date:	8/8/2023
State:	Pennsylvania
County:	Washington
API Number:	37-125-29004-00-00
Operator Name:	CNX Gas Company LLC
Well Name and Number:	NV110AHSM
Latitude:	40.05343840
Longitude:	-80.39224270
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,295
Total Base Water Volume (gal):	23,470,314
Total Base Non Water Volume:	0

Hydraulic Fracturing Fluid Composition:

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.59357
Crystalline Silica in the form of Quartz	14808-60-7	16.32358
Chemstream-Polymer-00001	-	0.04332
Chemstream-Alkane-00001	-	0.02166
Hydrogen chloride	7647-01-0	0.02044
Ethoxylated alcohols (C12-16)	68551-12-2	0.00722
CHEMSTREAM-Polymer-10002	-	0.00262
Glutaraldehyde	111-30-8	0.00217
CHEMSTREAM-Polymer-10001	-	0.00131
Mineral Oil	64742-47-8	0.00122
Didecyl dimethyl ammonium chloride	7173-51-5	0.00064
Quaternary Ammonium Compounds	68424-85-1	0.00064
Hydrotreated distillate	-	0.00047
Ethanol	64-17-5	0.00032
Ethoxylated alcohol	-	0.00028
Methyl alcohol	67-56-1	0.00023
Citric acid	77-92-9	0.00021
Fatty nitrogen derived amides	-	0.00016
Ethylene glycol	107-21-1	0.00012
Surfactant Mixture	9004-96-0	0.00010
N,N-Dimethylformamide	68-12-2	0.00006
2-Butoxyethanol	111-76-2	0.00004
Cinnamaldehyde	104-55-2	0.00004
Isopropanol	67-63-0	0.00004
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	127087-87-0	0.00004
Tar Bases, quinoline derivs, benzyl chloride-quat	72480-70-7	0.00004



Job Start Date:	7/18/2023
Job End Date:	8/8/2023
State:	Pennsylvania
County:	Washington
API Number:	37-125-29003-00-00
Operator Name:	CNX Gas Company LLC
Well Name and Number:	NV110BHSM
Latitude:	40.05460300
Longitude:	-80.39215200
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,294
Total Base Water Volume (gal):	23,208,234
Total Base Non Water Volume:	0

Hydraulic Fracturing Fluid Composition:

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.59357
Crystalline Silica in the form of Quartz	14808-60-7	16.32358
Chemstream-Polymer-00001	-	0.04332
Chemstream-Alkane-00001	-	0.02166
Hydrogen chloride	7647-01-0	0.02044
Ethoxylated alcohols (C12-16)	68551-12-2	0.00722
CHEMSTREAM-Polymer-10002	-	0.00262
Glutaraldehyde	111-30-8	0.00217
CHEMSTREAM-Polymer-10001	-	0.00131
Mineral Oil	64742-47-8	0.00122
Didecyl dimethyl ammonium chloride	7173-51-5	0.00064
Quaternary Ammonium Compounds	68424-85-1	0.00064
Hydrotreated distillate	-	0.00047
Ethanol	64-17-5	0.00032
Ethoxylated alcohol	-	0.00028
Methyl alcohol	67-56-1	0.00023
Citric acid	77-92-9	0.00021
Fatty nitrogen derived amides	-	0.00016
Ethylene glycol	107-21-1	0.00012
Surfactant Mixture	9004-96-0	0.00010
N,N-Dimethylformamide	68-12-2	0.00006
2-Butoxyethanol	111-76-2	0.00004
Cinnamaldehyde	104-55-2	0.00004
Isopropanol	67-63-0	0.00004
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	127087-87-0	0.00004
Tar Bases, quinoline derivs, benzyl chloride-quat	72480-70-7	0.00004



Job Start Date:	7/18/2023
Job End Date:	8/7/2023
State:	Pennsylvania
County:	Washington
API Number:	37-125-29002-00-00
Operator Name:	CNX Gas Company LLC
Well Name and Number:	NV110CHSM
Latitude:	40.05462300
Longitude:	-80.39221900
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,281
Total Base Water Volume (gal):	22,696,380
Total Base Non Water Volume:	0

Hydraulic Fracturing Fluid Composition:

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.82710
Crystalline Silica in the form of Quartz	14808-60-7	16.00616
Chemstream-Polymer-00001	-	0.04950
Chemstream-Alkane-00001	-	0.02475
Hydrogen chloride	7647-01-0	0.02467
Ethoxylated alcohols (C12-16)	68551-12-2	0.00826
CHEMSTREAM-Polymer-10002	-	0.00264
Glutaraldehyde	111-30-8	0.00215
CHEMSTREAM-Polymer-10001	-	0.00132
Mineral Oil	-	0.00069
Didecyl dimethyl ammonium chloride	7173-51-5	0.00064
Quaternary Ammonium Compounds	68424-85-1	0.00064
Hydrotreated light petroleum distillate	64742-47-8	0.00058
Hydrotreated distillate	-	0.00054
Surfactant	-	0.00046
Ethanol	64-17-5	0.00032
Citric acid	77-92-9	0.00028
Ethoxylated alcohol	-	0.00028
Methyl alcohol	67-56-1	0.00028
Oil	8012-95-1	0.00022
Fatty nitrogen derived amides	-	0.00018
Ethylene glycol	107-21-1	0.00016
Polyacrylamide	9003-05-8	0.00015
N,N-Dimethylformamide	68-12-2	0.00008
2-Butoxyethanol	111-76-2	0.00004
Cinnamaldehyde	104-55-2	0.00004
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	127087-87-0	0.00004



Job Start Date:	6/21/2023
Job End Date:	7/17/2023
State:	Pennsylvania
County:	Washington
API Number:	37-125-29001-00-00
Operator Name:	CNX Gas Company LLC
Well Name and Number:	NV110DHSM
Latitude:	40.05464300
Longitude:	-80.39228500
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,265
Total Base Water Volume (gal):	22,095,780
Total Base Non Water Volume:	0

Hydraulic Fracturing Fluid Composition:

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.93270
Crystalline Silica in the form of Quartz	14808-60-7	15.92522
Cationic polyacrylamide	9003-05-8	0.04444
Alkanes, C12-26-branched and linear	90622-53-0	0.02222
Hydrogen chloride	7647-01-0	0.02070
Polyacrylamide	9003-05-8	0.00806
Alcohol alkoxylate	68511-12-2	0.00740
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00264
Glutaraldehyde	111-30-8	0.00215
AA/ATBS Co-polymer	9003-05-8	0.00132
Didecyl dimethyl ammonium chloride	7173-51-5	0.00064
Quaternary Ammonium Compounds	68424-85-1	0.00064
Ethanol	64-17-5	0.00032
Methyl alcohol	67-56-1	0.00028
Citric acid	77-92-9	0.00027
Ethylene glycol	107-21-1	0.00016
N,N-Dimethylformamide	68-12-2	0.00008
2-Butoxyethanol	111-76-2	0.00004
Cinnamaldehyde	104-55-2	0.00004
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	127087-87-0	0.00004
Tar Bases, quinoline derivs, benzyl chloride-quat	72480-70-7	0.00004



Job Start Date:	6/20/2023
Job End Date:	7/17/2023
State:	Pennsylvania
County:	Washington
API Number:	37-125-29000-00-00
Operator Name:	CNX Gas Company LLC
Well Name and Number:	NV110EHSM
Latitude:	40.05466300
Longitude:	-80.39235200
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,272
Total Base Water Volume (gal):	21,275,436
Total Base Non Water Volume:	0

Hydraulic Fracturing Fluid Composition:

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.60660
Crystalline Silica in the form of Quartz	14808-60-7	16.25055
Cationic polyacrylamide	9003-05-8	0.04550
Alkanes, C12-26-branched and linear	90622-53-0	0.02275
Hydrogen chloride	7647-01-0	0.02086
Alcohol alkoxylate	68511-12-2	0.00758
Polyacrylamide	9003-05-8	0.00700
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00264
Glutaraldehyde	111-30-8	0.00215
AA/ATBS Co-polymer	9003-05-8	0.00132
Quaternary Ammonium Compounds	68424-85-1	0.00064
Didecyl dimethyl ammonium chloride	7173-51-5	0.00064
Ethanol	64-17-5	0.00032
Methyl alcohol	67-56-1	0.00027
Citric acid	77-92-9	0.00027
Ethylene glycol	107-21-1	0.00016
N,N-Dimethylformamide	68-12-2	0.00008
Cinnamaldehyde	104-55-2	0.00004
2-Butoxyethanol	111-76-2	0.00004
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	127087-87-0	0.00004
Tar Bases, quinoline derivs, benzyl chloride-quat	72480-70-7	0.00004



Job Start Date:	6/20/2023
Job End Date:	7/16/2023
State:	Pennsylvania
County:	Washington
API Number:	37-125-28999-00-00
Operator Name:	CNX Gas Company LLC
Well Name and Number:	NV110FHSM
Latitude:	40.05468200
Longitude:	-80.39241800
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,280
Total Base Water Volume (gal):	22,005,186
Total Base Non Water Volume:	0

Hydraulic Fracturing Fluid Composition:

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.67874
Crystalline Silica in the form of Quartz	14808-60-7	16.17307
Cationic polyacrylamide	9003-05-8	0.04864
Alkanes, C12-26-branched and linear	90622-53-0	0.02432
Hydrogen chloride	7647-01-0	0.02144
Alcohol alkoxylate	68511-12-2	0.00810
Polyacrylamide	9003-05-8	0.00750
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00266
Glutaraldehyde	111-30-8	0.00215
AA/ATBS Co-polymer	9003-05-8	0.00133
Quaternary Ammonium Compounds	68424-85-1	0.00064
Didecyl dimethyl ammonium chloride	7173-51-5	0.00064
Ethanol	64-17-5	0.00032
Methyl alcohol	67-56-1	0.00028
Citric acid	77-92-9	0.00028
Ethylene glycol	107-21-1	0.00016
N,N-Dimethylformamide	68-12-2	0.00008
Cinnamaldehyde	104-55-2	0.00004
2-Butoxyethanol	111-76-2	0.00004
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	127087-87-0	0.00004
Tar Bases, quinoline derivs, benzyl chloride-quat	72480-70-7	0.00004



Job Start Date:	6/20/2023
Job End Date:	7/15/2023
State:	Pennsylvania
County:	Washington
API Number:	37-125-28982-00-01
Operator Name:	CNX Gas Company LLC
Well Name and Number:	NV110GHSM
Latitude:	40.05470200
Longitude:	-80.39248500
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,154
Total Base Water Volume (gal):	15,065,820
Total Base Non Water Volume:	0

Hydraulic Fracturing Fluid Composition:

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.53189
Crystalline Silica in the form of Quartz	14808-60-7	16.32313
Cationic polyacrylamide	9003-05-8	0.04844
Alkanes, C12-26-branched and linear	90622-53-0	0.02422
Hydrogen chloride	7647-01-0	0.02262
Alcohol alkoxylate	68511-12-2	0.00808
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00270
Glutaraldehyde	111-30-8	0.00219
AA/ATBS Co-polymer	9003-05-8	0.00135
Didecyl dimethyl ammonium chloride	7173-51-5	0.00066
Quaternary Ammonium Compounds	68424-85-1	0.00066
Ethanol	64-17-5	0.00032
Citric acid	77-92-9	0.00030
Methyl alcohol	67-56-1	0.00030
Ethylene glycol	107-21-1	0.00018
N,N-Dimethylformamide	68-12-2	0.00008
2-Butoxyethanol	111-76-2	0.00004
Cinnamaldehyde	104-55-2	0.00004
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	127087-87-0	0.00004
Tar Bases, quinoline derivs, benzyl chloride-quat	72480-70-7	0.00004