



Job Start Date:	11/04/2023
Job End Date:	11/22/2023
State:	Pennsylvania
County:	Greene
API Number:	37-059-28255-00-00
Operator Name:	CNX Gas Company LLC
Well Name and Number:	CNX RHL37FHSM
Latitude:	39.86996
Longitude:	-80.50322
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6921
Total Base Water Volume (gal)*:	29355102
Total Base Non Water Volume:	0

### Hydraulic Fracturing Fluid Composition:

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.41558%
Crystalline silica, quartz	14808-60-7	16.41053%
Hydrochloric acid	7647-01-0	0.02172%
ACRYLAMIDE-CHLORIDE SALT OF TRIMETHYLAMMONIO-ETHYL ACRYLATE COPOLYMER	69418-26-4	0.01718%
ALKANES, C12-26-BRANCHED AND LINEAR	90622-53-0	0.01718%
Hydrotreated distillate	Proprietary	0.01043%
Glutaraldehyde	111-30-8	0.00257%
Alcohols, C12-16, ethoxylated	68551-12-2	0.00215%
Methyl Alcohol	67-56-1	0.00177%
Ethoxylated alcohol	Proprietary	0.00174%
Fatty nitrogen derived amides	Proprietary	0.00174%
AA/ATBS Co-polymer	9003-05-8	0.00055%
Quaternary ammonium compound	68424-85-1	0.00040%
Citric acid	77-92-9	0.00029%
Didecyl dimethyl ammonium chloride	7173-51-5	0.00027%
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	0.00016%
Phosphonic Acid Salt	Proprietary	0.00015%
Ethanol	64-17-5	0.00013%
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00011%
Ethylene glycol	107-21-1	0.00008%
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-quaternized	72480-70-7	0.00002%



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Operator Name:	CNX Gas Company LLC
Well Name and Number:	CNX RHL37GHSM
Latitude:	39.86999
Longitude:	-80.5032
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6915
Total Base Water Volume (gal)*:	23931264
Total Base Non Water Volume:	0

### Hydraulic Fracturing Fluid Composition:

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	83.62616%
Crystalline silica, quartz	14808-60-7	16.19927%
Hydrochloric acid	7647-01-0	0.02243%
ACRYLAMIDE-CHLORIDE SALT OF TRIMETHYLAMMONIO-ETHYL ACRYLATE COPOLYMER	69418-26-4	0.01716%
ALKANES, C12-26-BRANCHED AND LINEAR	90622-53-0	0.01716%
Hydrotreated distillate	Proprietary	0.00860%
Glutaraldehyde	111-30-8	0.00276%
Methyl Alcohol	67-56-1	0.00222%
Alcohols, C12-16, ethoxylated	68551-12-2	0.00214%
White Mineral Oil	64742-53-6	0.00173%
Ethoxylated alcohol	Proprietary	0.00143%
Fatty nitrogen derived amides	Proprietary	0.00143%
AA/ATBS Co-polymer	9003-05-8	0.00054%
Quaternary ammonium compound	68424-85-1	0.00043%
Citric acid	77-92-9	0.00032%
Didecyl dimethyl ammonium chloride	7173-51-5	0.00026%
Phosphonic Acid Salt	Proprietary	0.00019%
Ethanol	64-17-5	0.00013%
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00011%
Ethylene glycol	107-21-1	0.00009%
N,N-dimethylformamide	68-12-2	0.00005%
Cinnamaldehyde	104-55-2	0.00002%
2-Butoxyethanol	111-76-2	0.00002%
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	0.00002%
Tar bases, quinoline derivs, benzyl chloride-quaternized	72480-70-7	0.00002%