	TION: Ingredients  Water Listed with Chemicals in Ingredients	1 1 1	8. Total Volun 3,8 8. Percent of I No	7. County: Eddy 873 10.	Section:3 To N/ E/ Section:3 To N/ E/ Section:3 To N/ E/ Section:3 To N/ Secti	ownship:17S Range:31E S Line:S W Line:W ownship:17S Range:31E S Line:S W Line:W longitude: -103.864475416842 432-818-1062  Maximum Ingredient Concentration in HF Fluid (% by mass) 89.3844% 2.0662%
DCONCENTRA Purpose Carrier Acidizing Biocide Clay Control Corrosion Inhibitor Friction Reducer ron Control Non-emulsifier Proppant Proppant Proppant Burfactant	Ingredients  Water Listed with Chemicals in Ingredients Listed with Chemicals in	(CAS #) Chemical Service # 7732-18-5 N/A N/A N/A N/A N/A	12. Production O 14. Gross Frac 6,6 6. Total Volun 3,8 18. Percent of I	Unit:M Lot:M Feet from:970 Feet from:970 Feet from:537 5. Bottom Hole Loca Unit:M Lot:M Feet from:970 Feet from:970 Feet from:970 8. latitude: 32.858 7. County: Eddy 873 10.  Type:  Stured Interval: 32 ft to 10,930 ft me of Fluid Pumped: 310,450 galls Re-Use Water in Fluid t Disclosed  Maximum Ingrediet Concentration in A	Section:3 To N/ E/ Section:3 To N/	Stine:S   Witne:W
Carrier Acidizing Biocide Clay Control Corrosion Inhibitor Friction Reducer Fron Control Non-emulsifier Proppant Proppant Surfactant	Ingredients  Water Listed with Chemicals in Ingredients Listed with Chemicals in	(CAS #) Chemical Service # 7732-18-5 N/A N/A N/A N/A N/A	12. Production O 14. Gross Frac 6,6 6. Total Volun 3,8 18. Percent of I	5. Bottom Hole Locs Unit:M Lot:M Feet from:970 Feet from:537 6. latitude: 32.858 7. County: Eddy  873 10.  Type:  Stured Interval: 632 ft to 10,930 ft me of Fluid Pumped: 810,450 galls Re-Use Water in Fluid to Disclosed  Maximum Ingredier Concentration in A	ation: Section:3 To N/ E/ 39883062265  Phone Number:  d Pumped:  nt dditive (% by  100%  0%	Maximum Ingredient Concentration in HF Fluid (% b; mass)  89.3844% 2.0662%
Carrier Acidizing Biocide Clay Control Corrosion Inhibitor Friction Reducer Fron Control Non-emulsifier Proppant Proppant Surfactant	Ingredients  Water Listed with Chemicals in Ingredients Listed with Chemicals in	(CAS #) Chemical Service # 7732-18-5 N/A N/A N/A N/A N/A	12. Production O 14. Gross Frac 6,6 6. Total Volun 3,8 18. Percent of I	Feet from:537  6. latitude: 32.858  7. County: Eddy  873 10.  Type: stured Interval: 632 ft to 10,930 ft me of Fluid Pumped: 810,450 galls Re-Use Water in Fluid t Disclosed  Maximum Ingrediet Concentration in A	### 100%	W Line:W   -103.864475416842
Carrier Acidizing Biocide Clay Control Corrosion Inhibitor Friction Reducer Fron Control Non-emulsifier Proppant Proppant Surfactant	Ingredients  Water Listed with Chemicals in Ingredients Listed with Chemicals in	(CAS #) Chemical Service # 7732-18-5 N/A N/A N/A N/A N/A	12. Production O 14. Gross Frac 6,6 6. Total Volun 3,8 18. Percent of I	7. County: Eddy  873 10.  Type:  stured Interval:  632 ft to 10,930 ft  me of Fluid Pumped:  810,450 galls  Re-Use Water in Fluid  t Disclosed  Maximum Ingredier  Concentration in A	d Pumped:  nt dditive (% by  100% 0%	432-818-1062  Maximum Ingredient Concentration in HF Fluid (% b; mass)  89.3844% 2.0662%
Carrier Acidizing Biocide Clay Control Corrosion Inhibitor Friction Reducer Fron Control Non-emulsifier Proppant Proppant Surfactant	Ingredients  Water Listed with Chemicals in Ingredients Listed with Chemicals in	(CAS #) Chemical Service # 7732-18-5 N/A N/A N/A N/A N/A	12. Production O 14. Gross Frac 6,6 6. Total Volun 3,8 18. Percent of I	Type: stured Interval: 632 ft to 10,930 ft me of Fluid Pumped: 810,450 galls Re-Use Water in Fluid t Disclosed  Maximum Ingredier Concentration in A	d Pumped:  nt dditive (% by  100% 0%	Maximum Ingredient Concentration in HF Fluid (% b mass) 89.3844% 2.0662% 0.0207%
Carrier Acidizing Biocide Clay Control Corrosion Inhibitor Friction Reducer Fron Control Non-emulsifier Proppant Proppant Surfactant	Ingredients  Water Listed with Chemicals in Ingredients Listed with Chemicals in	1 (CAS #) Chemical Service # 7732-18-5 N/A N/A N/A N/A N/A N/A	O 14. Gross Frac 6,6 16. Total Volun 3,8 18. Percent of I No	ctured Interval: 632 ft to 10,930 ft me of Fluid Pumped: 610,450 gals Re-Use Water in Fluid t Disclosed  Maximum Ingredier Concentration in A	nt dditive (% by 100% 0%	Concentration in HF Fluid (% b mass)  89.38449 2.06629  0.02079
Carrier Acidizing Biocide Clay Control Corrosion Inhibitor Friction Reducer ron Control Non-emulsifier Proppant Proppant Surfactant	Ingredients  Water Listed with Chemicals in Ingredients Listed with Chemicals in	(CAS #) Chemical Service # 7732-18-5 N/A N/A N/A N/A	4. Gross Frac 6,6 6. Total Volun 3,8 8. Percent of I No	632 ft to 10,930 ft ne of Fluid Pumped: 110,450 gals Re-Use Water in Fluid t Disclosed  Maximum Ingredier Concentration in A	nt dditive (% by 100% 0%	Concentration in HF Fluid (% b mass)  89.38449 2.06629  0.02079
Carrier Acidizing Biocide Clay Control Corrosion Inhibitor Friction Reducer ron Control Non-emulsifier Proppant Proppant Surfactant	Ingredients  Water Listed with Chemicals in Ingredients Listed with Chemicals in	(CAS #) Chemical Service # 7732-18-5 N/A N/A N/A N/A	3,8 8. Percent of No	Re-Use Water in Fluid t Disclosed  Maximum Ingredier Concentration in A	nt dditive (% by 100% 0%	Concentration in HF Fluid (% b mass)  89.38449 2.06629  0.02079
Carrier Acidizing Biocide Clay Control Corrosion Inhibitor Friction Reducer ron Control Non-emulsifier Proppant Proppant Surfactant	Ingredients  Water Listed with Chemicals in Ingredients Listed with Chemicals in	Service #  7732-18-5 N/A  N/A  N/A  N/A  N/A  N/A  N/A		Maximum Ingredier	100% 0% 0%	Concentration in HF Fluid (% b; mass)  89.3844% 2.0662%  0.0207%
Acidizing  Biocide  Clay Control  Corrosion Inhibitor  Friction Reducer  ron Control  Non-emulsifier  Proppant  Proppant  Surfactant	Listed with Chemicals in Ingredients	7732-18-5 N/A N/A N/A N/A N/A			100% 0% 0%	89.38449 2.06629 0.02079
Blocide Clay Control Corrosion Inhibitor Friction Reducer Fron Control Non-emulsifier Proppant Proppant Proppant Surfactant	Chemicals in Ingredients Listed with Chemicals in Ingredients	N/A N/A N/A N/A N/A			0%	0.02079
Clay Control  Corrosion Inhibitor  Friction Reducer  ron Control  Non-emulsifier  Proppant  Proppant  Proppant  Surfactant	Chemicals in Ingredients Listed with Chemicals in Ingredients	N/A N/A N/A			77	
Corrosion Inhibitor Friction Reducer Friction Reducer Fron Control Fron Control Frongant Frongant Frongant Frongant Frongant Frongant Frongant Frongant	Chemicals in Ingredients Listed with Chemicals in Ingredients	N/A N/A			0%	
riction Reducer ron Control  Non-emulsifier  Proppant  Proppant  Proppant  Surfactant	Listed with Chemicals in Ingredients	N/A N/A				0.09539
ron Control  Non-emulsifier  Proppant  Proppant  Proppant  Surfactant	Listed with Chemicals in Ingredients	N/A			0%	0.00339
Proppant Proppant Proppant Proppant Surfactant	Listed with Chemicals in Ingredients Listed with Chemicals in				0%	0.13199
Proppant Proppant Proppant Surfactant	Listed with Chemicals in Ingredients Listed with Chemicals in Ingredients Listed with Chemicals in Chemicals in	N/A	N/A		0%	0.00629
Proppant Proppant Surfactant	Listed with Chemicals in Ingredients Listed with Chemicals in	I.			0%	0.00389
Proppant Surfactant	Ingredients Listed with Chemicals in	N/A		<u> </u>	0%	3.155%
Burfactant		N/A			0%	3.15479
	Listed with Chemicals in	N/A			0%	1.8015%
reatment System	Ingredients Listed with Chemicals in	N/A			0%	0.08%
	Ingredients 2-Mercaptoethanol	60-24-2			100%	0.0061999
	Alcohols, C10-16, ethoxylated propoxylated	69227-22-1			5%	0.0039969
	Alcohols, C12-16, ethoxylated Alcohols, C6-12	68551-12-2 68937-66-6			2% 5%	0.0026359
	ethoxylated propoxylated Alcohols, ethoxylated	68551-12-2			4%	0.003197%
	Amines, unsatd. alkyl, ethoxylated Ammonium Chloride	68155-39-5			2% 3%	0.0015989 0.0039529
	Ammonium Hydroxide	1336-21-6			5%	0.00031%
	Benzenesulfonic acid, hexadecyl (sulfophenoxy)-,	65143-89-7			2%	7.7E-05%
	disodium salt Choline Chloride Crystalline Silica	67-48-1 14808-60-7			75% 100%	0.071407% 6.302897%
	(Quartz) Crystalline Silica, Quartz (SiO2)	14808-60-7			98%	1.7635279
	Cupric Chloride Ethanol Fatty Acids	7447-39-4 64-17-5 61790-12-3			5% 10% 30%	0.000319 0.0079919 0.0010029
	Formaldehyde Glutaraldehyde Hydrochloric Acid	50-00-0 111-30-8 7647-01-0			0.05% 30% 15%	2E-069 0.0062079 0.3095889
	Hydrotreated Light Distillate	64742-47-8			30%	0.0395229
	Iron Oxide (colorant) Methanol Nonionic glycol ester	67-56-1 68400-71-5			1% 60% 25%	0.0179959 0.0020569 0.0009599
	Oleamide DEA Olefin Poly (acrylamide-co-	93-83-4 64743-02-8 62649-23-4			2% 5% 30%	0.0026359 0.0001679 0.0395229
	acrylic acid) partial sodium salt Polyoxyalkylenes	68951-67-7			30%	0.0010029
	Polyoxythylene Sorbitan Monooleate	9005-65-6			0.5%	0.0006599
	(Castor Oil) Propargyl Alcohol	107-19-7			10%	0.0003349
	Sodium Chloride Sodium	7647-14-5 14960-06-6		-	15% 5% 1%	0.0005759 0.0066049 3.8E-059
	Sodium octylimodlpropionate	94441-92-6			3%	0.0001159
	Sorbitan Monooleate Thiourea Polymer Water	1338-43-8 68527-49-1 7732-18-5			30% 85%	0.0006599 0.0010029 1.9228839
nis disclosure form is to			belief.		0%	0%
		and	<b></b>	Title: Regulato	ory Analyst	
  DS data as described in	29 CFR 1910.1200. NMOCI	O does not require the	e reporting or	disclosure of propriet	ary, trade secret o	or confidential business information
	Printed Name: Fat	Oleamide DEA Olefin Poly (acrylamide-co- acrylic acid) partial sodium salt Polyoxyalkylenes Polyoxythylene Sorbitan Monooleate Polyurethane Resin (Castor Oil) Propargyl Alcohol Propylene Glycol Sodium Chloride Sodium lauriminodipropionate Sodium octylimodipropionate Sorbitan Monooleate Thiourea Polymer Water  s disclosure form is true and complete to the best of	Oleamide DEA 93-83-4 Olefin 64743-02-8 Poly (acrylamide-co-acrylic acid) partial sodium salt Polyoxyalkylenes 68951-67-7 Polyoxythylene 9005-65-6 Sorbitan Monooleate Polyurethane Resin (Castor Oil) Propargyl Alcohol 107-19-7 Propylene Glycol 57-55-6 Sodium Chloride 7647-14-5 Sodium 14960-06-6 Iauriminodipropionate Sodium 94441-92-6 octylimodipropionate Sorbitan Monooleate 1338-43-8 Thiourea Polymer 68527-49-1 Water 7732-18-5  s disclosure form is true and complete to the best of my knowledge and Printed Name: Fatima Vasquez	Oleamide DEA	Oleamide DEA	Oleamide DEA   93-83-4   2%