Processor Proc.	Processor Proc	HYDRAULIC F DISCLOSURE Original Amendment 8. Operator Name and Address:	RACTU	3. Well Number:	30-045-35551 2. Well Name:					
The color color Color Color Color Color Color Color Color Colo	The Processing The	WPX ENERGY PF PO Box 640 721 South Main	RODUCTION	I, LLC				9. OGRID:	120702 Id. Prione Nume	ser: 505-333-1801
15 Am June 2017-15	18 Tear March (1997 1997	11. Last Fracture Date: 5/16 13. Pool Code(s):	5/2015 Frac	Performed b	y: Baker Hughes			G 14. Gross Fra	ctured Interval:	
Process	The first	15. True Vertical Depth (TVD): 5,094 ft	er Pumped:					16. Total Volu 59	me of Fluid Pumped: 9,522 gals	
		N/A 19. HYDRAULIC FLUID	COMPOS	SITION A			(CAS#) Chemi	No	ot Disclosed	Maximum Ingredient
Description C-1	Description Col. Description Description Col.	Water	Operator	2:	Carrier	Water	7732-18-5	ou ribstruot	Concentration in Additive (% by mass)	Concentration in HF Fluid (% by mass) 7.2778%
Start Fuglies	Community Comm		1000000		190000	Chemicals in Ingredients			36	
High Felm CRE	Page		10000000			Chemicals in Ingredients				71.75
Part	Part			-		Chemicals in Ingredients				0.0008%
Concept	Concession Con		trantino d		Buffer	Ingredients Listed with	N/A		0%	0.0172%
No. Page P	Registricity Regi		Baker Hu	ghes	Clay Control	Ingredients Listed with	N/A		0%	0.0899%
PADI-22, 200 gal. total Balar Hughwa Poamer Impediates No.	Page	AND TANKS	Baker Hu	ghes	Crosslinker	Ingredients Listed with	N/A		0%	0.0092%
Design D	Oys Color	FAW-22, 260 gal. tote	Baker Hu	ghes	Foamer	Ingredients Listed with	N/A		0%	0.2482%
Nicopan Baser Hughes Nicopan Content and the Nicopan Nic	Nicyal	GW-3LDF	Baker Hu	ghes	Gelling Agent	Ingredients Listed with	N/A		0%	0.4086%
Same	Secretary Secr	Nitrogen	Baker Hu	ghes	Nitrogen	Ingredients Listed with Chemicals in	N/A		0%	40.3507%
Sand, Brown, 2040 Baker Hughes Progrant Letes with Chemical System N/A 0% 0.07041	Sand, Brown, 2009 Baker Hughes Proporation Linked with Ownering all programs Sales Hughes Surfactant Linked with Ownering all programs Sales Hughes Surfactant Linked with Ownering all programs Sales Hughes Treatment System Chamical Ingredients Sales Hughes Sale	NE-35, 330 gl tote	Baker Hu	ghes	Non-emulsifier	Ingredients Listed with Chemicals in	N/A		0%	0.0842%
Chamical Ingradients Saler Hughes Surfactant: Liefe with Chemical in Chemi	Chemical Ingradurab Baker Hughes Baker Hughes Fractional Commission Chemicals in Che	Sand, Brown, 20/40	Baker Hu	ghes	Proppant	Listed with Chemicals in	N/A		0%	51.3644%
Baker Hughes	Parameter System	GasFlo G, 330 gal tote	Baker Hu	ghes	Surfactant	Listed with Chemicals in	N/A		0%	0.0704%
Amnes, unsaid alor, devolvated and extended process of the process	Ammes, unsatol. abyl. ethnovaled Port Common Common Programme Pro	Chemical Ingredients	Baker Hu	ghes	Treatment System	1-butoxy-2-propanol 2-butoxy-1-propanol Alcohols, ethoxylated	15821-83-7 68551-12-2		0.1% 10%	0.000406% 0.006997%
Either Sudtate	Ether Sulfate Ammonum					Amines, unsatd. alkyl, ethoxylated Ammonium Alkyl	68155-39-5	_	5%	0.003499%
Section Sect	acid, hexadecy1 (sulforheracy), (sulforherac					Ammonium Persulphate			- 53	0.001906%
Bonc Acid (H-9803) 10043-95-3 30% 0.002757 Chalma Chloride 747-81 75% 0.00711 100% 51.07450 100% 51.07450 100% 51.07450 100% 51.07450 100% 51.07450 100% 51.07450 100% 51.07450 100% 51.07450 100% 51.07450 100% 51.07450 100% 51.07450 100% 10	Bone And (1-8803) 10043-53-3 30% 0.00275					acid, hexadecyl (sulfophenoxy)-,	65143-89-7		2%	0.001674%
County Crystaline Silica 14808-80-7 596 0.0203145	County					Boric Acid (H3BO3) Choline Chloride	67-48-1		75%	0.06701%
Ethooylated Alcohol 08439-84-3 11% 0.0024688	Ethoylated Alcohol (843)46-3 119 0.00246 Ethoylated Alcohol (843)46-3 119 0.00246 Ethoylated Alcohol (107-21-1 119 0.00246 Fatty Amide (107-21-1 119 0.00246 Derivative (107-21-1 119 0					(Quartz) Crystalline Silica:				
Formaldehyde G0-00-0 15% 0.002488	Formalderlyde 50-00-0 19% 0.00246					Ethoxylated Alcohol Ethylene Glycol	107-21-1		1%	0.002468%
Enzyme Concentrate Hydrated Mappensum 14607-96-6 196 8E-086	Enzyme Concentrate Hydrated Mappensum 14807-96-6 1% SE-0 15% O.07402 15016ce anol. 904-30-5 5% O.02031 15016ce anol. 904-37-7 30% O.02025 15016ce anol. 904-37-7 70% O.02031 15016ce anol. 904-47-5 70% O.02032 15016ce anol. 904-47-5 70% O.02032 15016ce anol. 904-47-5 70% O.02032 15016ce anol. 904-47-5 904-					Formaldehyde Guar Gum	9000-30-0		60%	0.24377%
Soprigation 67-63-0 30% 0.0740275	Isopropanol 67-63-0 30% 0.07402					Enzyme Concentrate Hydrated Magnesium			707	
Methanol 67-56-1 60% 0.0265076	Methanio 67-56-1 60% 0.02650					Isopropanol Isotridecanol,				
Nilrogen 1727-37-9 100% 40.1173738 Noninci glycol ester 84800-71-5 25% 0.2092788 Paraffinic Petroleum 64742-55-8 30% 0.1218555 0.5018181e 0.5018181 0.5018181e 0.5018181e 0.5018181e 0.5018181e 0.5018181 0.5018181e 0.501818181 0.5018181 0.501818181 0.501818181 0.501818181 0.5	Nitrogen 7727-37-9 100% 40.11737 80.0000 25% 0.02002 7727-37-9 100% 40.11737 80.0000 10.12188 1					Methanol Methyl Borate	121-43-7		30%	0.002757%
Distillate Petroleum Distillates 64742-47-8 30% 0.1218859 Poly (Tetrafluoroethylene) Polyethylene glycol nonylphenyl ether Polyethylene glycol nonylphenyl ether Potassium 584-08-7 60% 0.0104963 Potassium Potassium 584-08-7 60% 0.0104963 Potassium Potassium Fotassium Fotassi	Distillate					Nitrogen Nonionic glycol ester	7727-37-9 68400-71-5		100% 25%	40.117373% 0.020928%
Cretratlucroethylene Polyethylene plycol nonylphenyl ether	ClearInducroethylene Polyethylene glycol					Distillate Petroleum Distillates	64742-47-8		30%	0.121885%
Carbonate	Carbonate					(Tetrafluoroethylene) Polyethylene glycol	9016-45-9		15%	0.010496%
Sodium Chloride 7647-14-5 1% 0.0024688 Sodium Sulfonate Sodium Sulfonate Sodium Sulfonate Sodium Sulfonate Sodium Sulfonate Sodium Sulfonate Sodium 14960-06-6 1% 0.00024689 Sodium Sodium Sodium Sodium Sodium Sodium Sodium Octylimodipropionate Sodium Sodium Sodium Sulfuric acid, monodecyl ester, sodium salt (1:1) Sulfuric acid, monodecyl ester, sodium salt (1:1) Sulfuric acid, monobexyl ester, sodium salt (1:1) Sulfuric acid, monocyt e	Sodium Culforide 7647-14-5 1% 0.00246					Carbonate Potassium Hydroxide	1310-58-3		1%	0.000171%
Sodium 14960-06-6 196 0.0008379	Sodium 14960-06-6 196 0.00083 0.00251					Sodium Chloride Sodium Sulfate	7647-14-5 7757-82-6		1% 1%	0.002468% 0.002468%
Octylimodlpropionate Sulfuric acid, monodecyl ester, sodium salt (1:1) Sulfuric acid, monodecyl ester, sodium salt (1:1) Sulfuric acid, monohexyl ester, sodium salt (1:1) Sulfuric acid, monohexyl ester, sodium salt (1:1) Sulfuric acid, monocyl ester, sodium salt (1:1) Vinylidene Chloride-Methyl Acrylate Polymer Water 7732-18-5 97% 0.31729% 0	Octylimodipropionate Sulfuric acid, monodecyl ester, sodium salt (1:1) Sulfuric acid, monodecyl ester, sodium salt (1:1) Sulfuric acid, monohexyl ester, sodium salt (1:1) Sulfuric acid, monohexyl ester, sodium salt (1:1) Sulfuric acid, monocyl ester, sodium salt (1:1) Sulfuric acid, monocyl ester, sodium salt (1:1) Sulfuric acid, monocyl ester, sodium salt (1:1) Vinyllidene Chloride-Methyl Acrylate Polymer Water 7732-18-5 97% 0.00200000000000000000000000000000000					Sodium lauriminodipropionate	14960-06-6		1%	0.000837%
Sodium salt (1:1) Sulfuric acid, arondomexyl ester, sodium salt (1:1) Sulfuric acid, monohexyl ester, sodium salt (1:1) Sulfuric acid, monooctyl ester, sodium salt (1:1) Sulfuric acid, monooctyl ester, sodium salt (1:1) Vinylidene Chloride-Methyl Acrylate Polymer Water 7732-18-5 97% 0.317299	Sodium salt (1:1) Sulfuric acid, monohexyl ester, sodium salt (1:1) Sulfuric acid, monohexyl ester, sodium salt (1:1) Sulfuric acid, monocyl ester, sodium salt (1:1) Sulfuric acid, monocyl ester, sodium salt (1:1) Sulfuric acid, monocyl ester, sodium salt (1:1) Vinylidene Chloride-Methyl Acrylate Polymer Water 7732-18-5 97% 0.3172: Sulfuric acid, monocyl ester, sodium salt (1:1) Vinylidene Chloride-Methyl Acrylate Polymer Water 7732-18-5 97% 0.3172: Sulfuric acid, monocyl ester, sodium salt (1:1) Vinylidene Chloride-Methyl Acrylate Polymer Water 7732-18-5 97% 0.3172: Sulfuric acid, monocyl ester, sodium salt (1:1) Vinylidene Chloride-Methyl Acrylate Polymer Water 7732-18-5 97% 0.3172: Sulfuric acid, monocyl ester, sodium salt (1:1) Vinylidene Chloride-Methyl acrylate Polymer Vinylidene Chloride-Methyl acrylate Vinylidene Chloride-Me					octylimodlpropionate Sulfuric acid,				
Sulfuric acid, monoactyl ester, sodium salt (1:1) Vinylidene Chloride-Methyl Acrylate Polymer Water 7732-18-5 97% 0.317299	Sulfuric acid, monocctyl ester, sodium salt (1:1) Vinylidene Chloride-Methyl Acrylate Polymer Water 7732-18-5 97% 0.3172!					sodium salt (1:1) Sulfuric acid,	2207-98-9		1%	0.002468%
Vinylidene Chloride-Methyl Acrylate Polymer Water 7732-18-5 97% 0.317299 Ingredients shown above are subject to 29 CFR 1910 20. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief. Signature: Signed Electronically Printed Name: Lila Miller Date: 7/23/2015 E-mail Address: Lila.Miller@wpxenergy.com	Vinylidene Chloride-Methyl Acrylate Polymer Water 7732-18-5 97% 0.31721 Ingredients shown above are subject to 29 CFR 1910 20. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief. Signature: Signed Electronically Printed Name: Lila Miller Date: 7/23/2015 E-mail Address: Lila.Miller@wpxenergy.com					Sulfuric acid, monooctyl ester,	142-31-4		5%	0.012338%
Ingredients shown above are subject to 29 CFR 1910 20. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief. Signature: Signed Electronically Date: 7/23/2015 E-mail Address: Lila Miller@wpxenergy.com	Water 7732-18-5 97% 0.3172: Ingredients shown above are subject to 29 CFR 1910 20. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief. Signature: Signed Electronically Printed Name: Lila Miller Title: Engineering Tech II Date: 7/23/2015 E-mail Address: Lila.Miller@wpxenergy.com					Vinylidene Chloride- Methyl Acrylate	25038-72-6		25%	0.000202%
20. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief. Signature: Signed Electronically Printed Name: Lila Miller Title: Engineering Tech II Date: 7/23/2015 E-mail Address: Lila.Miller@wpxenergy.com	20. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief. Signature: Signed Electronically Printed Name: Lila Miller Title: Engineering Tech II Date: 7/23/2015 E-mail Address: Lila.Miller@wpxenergy.com		re				7732-18-5			
E-mail Address: Lila.Miller@wpxenergy.com	E-mail Address: Lila.Miller@wpxenergy.com	20. I, as Operator, hereby certify					of my knowledge s	and belief.	Title: Engineering Tech II	