Energy, Minerals and Natural Resources	Submit within 45 days of well completion		State of New Mexico				Revised November 6, 2013			
Amendment										
HYDRAULIC FRACTURING FLUID DISCLOSURE N Original □ Amendment □ Ame										
## HYDRAULIC FRACTURING FLUID DISCLOSURE ## Control Color	Oil Conservation Division									
## PYDRAULIC FRACTURING FLUID DISCLOSURE ## Notional Amendment	1220 S. St Francis Dr.						3 Well Number:			
DISCLOSURE			s	anta Fe, NM 8750	5					
Amendment			RING FLUID				Unit:E Lot:E Section:5 Township:23N Range:06W Feet from:2425 N/S Line:N			
Amendment	⊠ Original					-	5. Bottom Hole Lo	cation:		
E. Develor Name and Adorses Property		t								
Coperation Name and Address	Americanien	•					Feet from:337	E/W I	Line:E	
R. Cymetor Netwo and Address						-				
Prod access Production Prod Prod Published System Prod								rriba		
11. Let Produce Date	WPX ENER PO Box 640 721 South I	RGY PRODUCTION) Main	N, LLC			9. OGRID:	120782	10. Phone Numbe	r: 505-333-1801	
13. Proc 10-06010 15. Trace to Septiment			Performed by: Halliburton				Гуре:		·	
15. Trial vicinia degrit (TVD) 5.412 16. Total Vicinia of Place Pumped: 17. Total Vicinia of Place Pumped: 18. Person of Review Pumped: 18. Per						14. Gross Fractured Interval:				
11. Total Volume of Re-Cites Vister Pumpose: 15. Personal Private Pumpose: 15. Personal Private Pumpose: 15. Personal	15. True Vertical Depth (1	TVD):		16. Total Vo			ume of Fluid Pumped:			
12.4 Triade Name	17. Total Volume of Re-U	Ise Water Pumped:				18. Percent of R	le-Use Water in Fl	uid Pumped:		
Tade Name		LUID COMPO	SITION AND CONCE	ITRATION:		Not	Disclosed	10.11.02		
NA				The state of the s		emical Abstract	Concentration		Concentration in HF Fluid (%	
ALCOHOLS, C14-C15, 68951-67-7 30% 5.66E-07%	N/A		OTHER		95-63-6					
AMINE SALTS Confidential 0.1% 7.02E-09% 0.0021604/s BENTONITE, BENZYLL Confidential 6.0% 0.0021604/s BENTONITE, BENZYLL Confidential 6.0% 0.0021604/s BENTONITE, BENZYLL 121888-68-4 5.0 0.003304/s (HYDROGENATED TALLOW ALACIL) 121888-68-4 5.0 0.003304/s (HYDROGENATED TALLOW ALACIL) 14808-60-7 100% 0.003304/s (HZ) 14808-60-7 100% 0.003304/s (HZ) 14808-60-7 0.1% 0.0001666/s 0.0001727 0.0001727 0.000172 0.0001				ALCOHOLS, C14-C15,			30%		5.66E-05%	
BENTONITE, BENZYL (HYDROGENATED TALLOW ALKYL)							0.1%		7.02E-05%	
HYDROGENATED TALLOW ALKTC)				AMMONIUM SALT Confidential			60%			
DIMETHYLAMIONIUM STEARATE COMPLEX CRYSTALLINE SILICA 14808-60-7 100% 20.0359707% OUARTZ CRYSTALLINE SILICA 14808-60-7 0.1% 0.0001666% OUARTZ CRYSTALLINE SILICA 14808-60-7 0.1% 0.0001666% OUARTZ ETHANOL. 64-17-5 60% 0.0001666% OUARTZ ETHANOL. Outlidential 30% 5.66E-03% OUARDZ CONTIGENS OUARDZ O				(HYDROGENATED	121888-0	5-4		3%	0.0083304%	
STEARATE COMPLEX CRYSTALLINE SILICA, QUARTZ CRYSTALLINE SILICA, QUARTZ CRYSTALLINE SILICA, QUARTZ CRYSTALLINE SILICA, QUARTZ ETHANOL 64-17-5 60% 0.001666% CRYSTALLINE SILICA, QUARTZ ETHANOL 64-17-5 60% 0.0176485% 666-05% 60%										
OUARTZ CRYSTALLINE SILICA 14808-60-7 0.1% 0.00016685% CRYSTALLINE SILICA CUARTZ ETHANOL 64-17-5 60% 0.0176485% ETHANOL 64-17-5 60% 0.0176485% CHYCERINE 5.58-15 5.5% 0.003017% GUAR GUM 9000-30-0 100% 0.1668073% HEAVY AROMATIC PETROLEUM NAPHTHA HEMICELLUASE 9012-54-8 30% 0.0028244% ENZYME HEMICELUASE 8012-54-8 30% 0.002633% ENZYME HEMICELUASE 812-54-8 30% 0.002633% ENZYME HAMPOROCHLORIC ACID 7647-01-0 60% 0.04819% AMINES LACTOSIS 83-42-3 100% 0.00893798% LACTOSIS REPUBLIANCE 75-55-1 60% 0.00013276% CHYCHOLORIC ACID REPUBLIANCE 75-55-1 60% 0.00013276% CHYCHOLORIC ACID CHY				STEARATE COMPLEX	14000 60	7		1000/	20.02507070	
QUARTZ ETHANOL 64-17-5 60% 0.0176483% 5.68E-05% 61/15 51/15				QUARTZ		01				
ETHANOL 64-17-5 60% 0.0176483%					14808-60-	-7		0.1%	0.0001666%	
GLYCERINE 56-81-5				ETHANOL						
HEAVY AROMATIC 64742-94-5 30% 0.0088244% PETROLEUM NAPHTHA HEMICELULASE 9012-54-8 30% 0.0020833% ENZYME HYDROCHLORIC ACID 7647-01-0 60% 0.0341191% 7647-01-0 60% 0.0341191% 7647-01-0 7647-01-0 60% 0.0341191% 7647-01-0 7647-01						ial				
PETROLEUM NAPHTHA HEMICELLULASE 9012-54-8 30% 0.0020633% ENZYME HYDROCHLORIC ACID 7647-01-0 60% 0.0341819% 10.0020633% METHANOL Froprietary 30% 0.04981% AMINISES LACTOSE 63-42-3 100% 0.0088778% METHANOL 67-56-1 60% 0.0001132% METHANOL 77-50-1 60% 0.0001132% METHANOL 77-50-3 55% 0.0014707% NPIDB-2% KCL WATER NA 100% 67-7260131% NPIDB-2% KCL WATER NA 100% 107-7699% NPIDB-2% KCL WATER NA 100% NPIDB-2% KCL WATER NPIDB-2% KCL WATE										
ENZYME				PETROLEUM NAPHTHA				70.00		
ININER SALT OF ALKYL					9012-54-8	}		30%	0.0020633%	
AMINES LACTOSE 63.42-3 100% 0.0068778%										
METHANOL 67-56-1 60% 0.001132%				AMINES		У				
NAPHTHALENE 91-20-3 5% 0.0014707%										
NITROGEN 7727-37-9 100% 11.7767859% OLEFINS Confidential 55% 2.26E-05% OXYALKYLATED Confidential 30% 0.0117659% PHENOLIC RESIN POLY (0XY-1,2-ETHANEDIYL), ALPHA-(4-NON/LPHENYL)				NAPHTHALENE	91-20-3			5%	0.0014707%	
OLEFINS)				
PHENOLIC RESIN POLY 127087-87-0 5% 0.0014707% 127087-87-0 5% 0.0014707% 127087-87-0 5% 0.0014707% 127087-87-0 5% 0.0014707% 127087-87-0 5% 0.0014707% 127087-87-0										
(OXY-1,2-ETHANEDIYL), ALPHA-(4-NONYLPHENYL) -OMEGA-HYDROXY-, BRANCHED				PHENOLIC RESIN						
PROPARGYL ALCOHOL 107-19-7 10% 1.89E-05%				(OXY-1,2-ETHANEDIYL), ALPHA-(4-NONYLPHENYL -OMEGA-HYDROXY-,		7-0		5%	0.0014707%	
QUATERNARY AMINE Confidential 5% 0.0021411%					107-19-7			10%	1.89E-05%	
ACETOPHENONE, FORMALDEHYDE, THOUREA AND OLEIC ACID IN DIMETHYL FORMAMIDE SILICA GEL 112926-00-8 1% 0.0016661% SODIUM CHLORIDE 7647-14-5 30% 0.051565% SUBM CHLORIDE 7647-14-5 30% 0.051565% WATER 7732-18-5 100% 0.1776503%										
SODIUM CHLORIDE 7647-14-5 30% 0.051565%				ACETOPHENONE, FORMALDEHYDE, THIOUREA AND OLEIC ACID IN DIMETHYL	00327-43			30%	5.002-0370	
SURFACTANT MIXTURE Confidential 196 0.0033321%										
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: 2/25/2016 E-mail Address: Lila.Miller@wpxenergy.com				SURFACTANT MIXTURE	Confident	ial		1%	0.0033321%	
Signeture: Signed Electronically Printed Name: Lila Miller Title: Engineering Tech II Date: 2/25/2016 E-mail Address: Lila.Miller@wpxenergy.com	20. I. as Operator hereby	certify that the inform	ation shown on this disclosure f					100%	0.1776503%	
E-mail Address: Lila.Miller@wpxenergy.com		V2011 11 11 11 11 11		21.72%			Title: Engineeri	ng Tech II		
	21.									
			24 9 9 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	cribed in 29 CFR 1910.1200. NMOCD do	es not require	the reporting or d	lisclosure of propri	etary, trade secret o	r confidential business information.	