Phosponate   Compound   Propargyl alcohol   107-19-7   10%   0.00037%										
Energy, Minerals and Natural Resources OIL Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505  HYDRAULIC FRACTURING FLUID DISCLOSURE  8 Colphal  Amendment	Submit within 45 days of well co	Energy, Minerals and Natural Resources Oil Conservation Division					1. WELL API NO.			
April   1220   S. S. Francis Dr.   Santa Fe, NM 87505   S. Francis Dr.   S. Colingial   S. Colingia										
Appendix   Appendix   Appendix   Apple   Appendix   Apple   Appendix   Apple   Appendix   Apple   Appendix   Apple										
DISCLOSURE   Notiginal   Part   Par										
2 Control Manufactors							Unit:M Lot:M Section:13 Township:17S Range:29E Feet from:330 N/S Line:S			
Amendment							5. Bottom Hole Lo	cation:		
1. Common Name and Accounts   Common Name and	100 A						Feet from:330	1	V/S Line:S	
Common National Conference							6. latitude:	management of	ongitude:	
Committee and Additional Control Con							7. County:	(8252387955	-104.036194906283	
Color   Continue   Color   C	O Consider Name and Address								422 005 4222	
11   Let Principal Description   12   Principal Description   13   Principal Description   14   Principal Description   14   Principal Description   15   Princ	COG OPERATING One Concho Cente 600 W. Illinois Ave					9. OGRID:	229131	Tu. Phone Numb	er: 432-003-4332	
18. Pear Concepts										
18. The reviews for part (1/10)   19. The review for part (1/						14. Gross Fra	ctured Interval:			
17. Total vigracy of heur law visiter Proposed	15. True Vertical Depth (TVD):					16. Total Volume of Fluid Pumped:				
1	17. Total Volume of Re-Use Water Pumped:						18. Percent of Re-Use Water in Fluid Pumped:			
Peter   Water   Consentration   Addition   Consentration   Markin   Mark   Mark   Peter   Mailburdon   Consentration   Mailburdon   Consentration   Mailburdon   Consentration   Mailburdon   Consentration	19. HYDRÄULIC FLUID				Loren		A			
Fresh Water	Irade Name	Supplier	Purpose	Ingredients		al Abstract	Concentration in		Concentration in HF Fluid (% by	
## General Color   Ballourian   Additive   Liesd Below   0%   0%   0%   0%   0%   0%   0%   0							100%		88.74619%	
COMPOSITION	FDP-S1226-15	Halliburton	Surfactant	Listed Below	Listed Below		0%		0%	
FIRLOS ACDIO NHIBITOR   Asiliburion   Correson Imibility   Concentrate   Listed Below   Disk   Dis		Halliburton	Additive	Listed Below	Listed Below		0%		0%	
FICHECH CARID   Asilburton   Selvent   Usbed Below   Disk   OSK										
PROPE_CERAMIC 4070	HYDROCHLORIC ACID	Halliburton	Solvent	Listed Below	Listed Below		0%		0%	
100 MESH, 18N-2	PROP-CERAMIC 40/70	Halliburton	Proppant	Listed Below	Listed Below		0%		0%	
April	100 MESH, SSA-2			4						
Inhibitor		Halliburton	Proppant	Listed Below	Listed Below			0%	100	
CAT108S  Services, L.C.   Scale Inhibitor   Listed Below   Usted Below   0%   0%   0%   0%   0%   0%   0%   0		Halliburton	Scale Preventer	Listed Below	Listed Below			0%	0%	
MSD3 and Nort-MSDS Ingredients  Listed Above			Scale Inhibitor	Listed Below	Listed Below			0%	0%	
Acete anhydride	Ingredients are listed below							0%	0%	
Acrylamide   29-08-7	Ingredients	Listed Above	Listed Above							
Aconis   C12-13   68455-14-9   30%   0.0135%     ethoxylated   Aconis   C12-16   6855-14-2   55%   0.00225%     ethoxylated   Aluminum Silicate   1302-76-7   100%   4.63007%     Citric acid   77-92-9   60%   0.01219%     Crystalline silica   1464-46-1   30%   0.17129%     Crystalline silica   14604-46-1   30%   0.001219%     Crystalline silica   14604-46-1   30%   0.00097%     Citric acid   77-92-9   60%   0.01219%     Crystalline silica   14604-46-1   30%   0.00097%     Citric acid   77-92-9   60%   0.00097%     Citric acid   77-92-9   60%   0.00097%     Citric acid   78330-21-9   5%   0.00097%     Citric acid   78330-21-9   5%   0.00097%     Citric acid   75-21-8   0.01%   0.00097%     Citric acid   75-21-8   0.01%   0.00097%     Citric acid   75-21-8   0.01%   0.00097%     Citric acid   7647-01-0   60%   0.01676%     Hydrochiora acid   7647-01-0   40%   0.01146%     Hydrochiora acid   7647-01-0   40%   0.01146%     Hydrochiora acid   7647-01-0   40%   0.00097%     Citric acid   7647-01-0   60%   0.00097%     Citric acid   7647-01-0   6				Acrylamide	79-06-1			0.01%	1E-05%	
ethoxylated   Alcohols, C12-16,   68551-12-2   5%   0.00225%   ethoxylated   1302-76-7   100%   4.63007%   Cliric acid   77-92-9   60%   0.01219%   138902%   1.389				acrylate polymer			-			
ethoxylated   Aluminum Silicate   1302-76-7   100%   4.63007%   Citric acid   77-92-9   60%   0.01219%   14464-46-1   30%   1.38902%   1.3890				ethoxylated				2,233	0.000	
Citric acid 77-92-9 60% 0.01219% cristobalite cristobalite 14464-464-1 30% 1.38902% cristobalite 14464-464-1 30% 1.38902% cristobalite 2754-81 44664-461-1 30% 1.38902% 200097% Ethoxylated alcohols Proprietary 30% 0.00097% Ethoxylated 78330-21-9 5% 0.0046% branched C13 alcohol Ethylene oxide 75-21-8 0.01% 0% 0.0097% 0									0.00225%	
Crystalline silica, cristobalite Crystalline silica, quartz Ethoxylated alcohols Propretary 30% 0.00097% Ethoxylated branched C13 alcohol Ethylene oxide 75-21-8 0.01% 0.0046% 54-25% 21-9 59% 0.0046% 54-25% 21-9 59% 0.0046% 54-25% 21-9 59% 0.0046% 54-25% 21-9 59% 0.0046% 54-25% 21-9 59% 0.0046% 54-25% 21-9 59% 0.0046% 54-25% 21-9 59% 0.0046% 54-25% 21-9 59% 0.00997% 54-25% 21-9 59% 0.00997% 54-25% 21-9 59% 0.00997% 54-25% 21-9 59% 0.00997% 54-25% 21-9 59% 0.00997% 54-25% 21-9 59% 0.00997% 54-25% 21-9 59% 0.00997% 54-25% 21-9 59% 0.00997% 54-25% 21-9 59% 0.00997% 54-25% 21-9 59% 0.00997% 54-25% 21-9 59% 0.00997% 54-25% 21-9 59% 0.00997% 54-25% 21-9 59% 0.00997% 54-25% 21-9 59% 0.00997% 54-25% 21-9 59% 0.00997% 54-25% 21-9 59% 0.00997% 54-25% 21-9 59% 0.00997% 54-25% 21-9 59% 0.00997% 55-25% 0.0046% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 0.0046% 55-25% 55-25% 0.0046% 55-25% 0.0046% 55-25% 0.0046% 55-2										
Crystalline silica, quartz   14908-60-7   100%   4.45942% quartz   Elhoxylated alcohols   Propretary   30%   0.00097%   Elhoxylated branched C13   78330-21-9   5%   0.0046%   31c0hol   20097%   20097				Crystalline silica,	14464-46-1			30%		
Ethoxylated alcohols Proprietary 30% 0.00097% Ethoxylated branched C13 alcohol Ethylene oxide 75.21-8 0.0196 0.0046% Fatty acids, fall oil Proprietary 30% 0.00097% 0.00597% 0				Crystalline silica,	14808-60-7			100%	4.45842%	
branched C13   alcohol   T5-21-8   D.01%   O%   O.0097%   O.0097				Ethoxylated alcohols						
Fatty acids, tall oil   Proprietary   30%   0.00087%   Glassy calcium   65997-17-3   100%   0.01676%   magnesium   phosphate   Hydrochloric acid   7647-01-0   60%   1.17504%   Hydrochloric acid   7647-01-0   40%   0.01146%   Hydrochloric acid   7647-01-0   40%   0.01146%   Hydrochloric acid   7647-01-0   40%   0.01146%   Hydrochloric acid   7647-01-0   40%   0.00195%   46742-47-8   30%   0.02763%   Detroleum distiliate   Methanol   67-56-1   60%   0.00195%   4.63007%   Olefins   Proprietary   5%   0.00039%   Phosponate   Proprietary   5%   0.00039%   Proprietary   5%   0.00039%   0.01718%   Compound   Propargy   alchol   107-19-7   10%   0.00037%   Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl   formamide   Silica, amorphous - furned   Sobitan, mono-9-octadecenoate, (Z)   Sodium diacetate   126-96-5   5%   0.0046%				branched C13 alcohol				707		
magnesium   phosphate   Hydrochloric acid   7647-01-0   60%   1.17504%   Hydrochloric acid   7647-01-0   40%   0.01146%   Hydrochloric acid   7647-01-0   40%   0.01146%   Hydrochloric acid   7647-01-0   40%   0.01146%   0.07548%   Phosphate   1302-93-8   30%   0.02763%   Define   1302-93-8   100%   4.63007%   0.00155%   Mullite   1302-93-8   100%   4.63007%   0.00039%   7009000000000000000000000000000000000				Fatty acids, tall oil	all oil Proprietary		30%		0.00097%	
Hydrochloric acid   7647-01-0				magnesium phosphate				(50%-490%)		
Petroleum distillate   Methanol   67-56-1   60%   0.00195%   Mullite   1302-93-8   100%   4.63007%   Olefins   Proprietary   5%   0.00039%   Phosponate   Proprietary   60%   0.01718%   Compound   Propargyl alcohol   107-19-7   10%   0.00037%   Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide   Silica, amorphous - fumed   Sobitan, mono-9				Hydrochloric acid	7647-01-0			40%	0.01146%	
Mullite   1302-93-8   100%   4.63007%     Oleffins   Proprietary   5%   0.00039%     Phospopnate   Proprietary   60%   0.01718%     Compound   Propargyl alcohol   107-19-7   10%   0.00037%     Reaction product of acetophenone, formaldehyde, thioures and oleic acid in dimethyl formamide     Silica, amorphous - fumed   538-43-8   5%   0.0046%     Sobitan, mono-9-octadecenoate, (Z)   Sodium diacetate   126-96-5   5%   0.0046%     Sodium perborate tetrahydrate   507-58-6   5%   0.0046%     Sorbitan monooleate polyoxyethylene derivative   7732-18-5   100%   2.07586%				petroleum distillate				5740	8.03.258 (6.258.6)	
Phosponate Compound				Mullite	1302-93-8			100%	4.63007%	
Compound   Propargyl alcohol   107-19-7   10%   0.00037%     Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide   Silica, amorphous - fumed   Sobitan, mono-9-octadecenoate, (Z)   Sodium diacetate   Sodium perborate tetrahydrate   Sorbitan monooleate polyoxyethylene derivative   Water   7732-18-5   100%   0.0046%   0.004							8			
Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide  Silica, amorphous - fost-amorphous - fost-amorphous - fumed  Sobitan, mono-9- octadecenoate, (Z)  Sodium diacetate 126-96-5 5% 0.0046% 5odium perborate tetrahydrate  Sorbitan monooleate polyoxyethylene derivative  Water 7732-18-5 100% 0.00097% 0.00097% 0.00097% 0.00097% 0.00097%				Compound				10%	0.00037%	
Silica, amorphous - fumed   1.38902%   1.3				Reaction product of acetophenone, formaldehyde, thiourea and oleic						
Sobitan, mono-9- octadecenoate, (Z)   Sodium diacetate   126-96-5   5%   0.0046%   Sodium perborate tetrahydrate   Sorbitan monooleate polyoxyethylene derivative   Water   7732-18-5   100%   0.0046%   0.0				formamide Silica, amorphous -	7631-86-9			30%	1.38902%	
Sodium diacetate   126-96-5   5%   0.0046%				Sobitan, mono-9-	1338-43-8			5%	0.0046%	
tetrahydrate Sorbitan monooleate polyoxyethylene derivative Water 7732-18-5 100% 2.07586%				Sodium diacetate			-			
polyoxyethylene				tetrahydrate				(30)530000	8.01.30.00.00.00.00	
Water 7732-18-5 100% 2.07586%				polyoxyethylene	anno-62-6			5%	0.0046%	
	20. I, as Operator, hereby certify the	nat the information shown of	n this disclosure form is tru	Water		nd belief.		100%	2.07586%	

rmation beyond MSDS data as described in 29 CFR 1910.1200. NMOCD does not require the reporting or disclosure of proprietary, trade secret or confidential business info