1220.S. S.F. Francis Dr.	1.1	12.20.2. S. S. Francis Dr.   Santa Fe, NM 87505	1220.S. S.F. Francis Dr.	Submit within 45 days of well		ergy, Minera	of New Meals Is and Natu Servation Di	ral Reso	urces	1. WELL API NO. 30-015-41988 2. Well Name:	Revised November 0, 2013
HYDRAULC FRACTURING FLUID   DECLOSED   The Property   17   19   19   19   19   19   19   19	HYDRAULUC FRACTURING FLUID   DISCLOSURE	HYDRAULE FRACTURING FLUID	HYDRAULC FRACTURING FLUID   DECLOSED   The Property   17   19   19   19   19   19   19   19			1220	S. St Francis	Dr.		LEE FEDERAL #0	64
Discussion   Company	Discussion   Company	Colored   Colo	Discussion   Company	HADBVIII IC I	EDACTI IDING		a Fe, NM 87	505		064	W 10 10 10 10 10 10 10 10 10 10 10 10 10
Amount   A	Amount   A	Amount   A	Amount   A			FLUID				Unit:C Lot:C Section:20 Feet from:95	N/S Line:N
Substitute and departs   Control of the Control o	Security	Comment and colorests   Comment	Substitute and departs   Control of the Control o	100 A						Unit:C Lot:C Section:20 Feet from:95	N/S Line:N
Appendix   Common process   Common pro	A common content of common process of the	A Common content of common   Common content of	Appendix   Common process   Common pro							6. latitude: 32.827029452328	longitude:
## Company   Com	## Process   Pro	## Process   1	## Company   Com							Eddy	400 040 4000
Comparison   Com	Comment   Comm	Comparison   Com	Comparison   Com	APACHE CORP 303 Veterans Air					9. OGRID:	873 10. Phone Numb	er: 432-818-1062
15 Foot Control   15 Foot Co	15 Foot Control   15 Foot Co	15 Foot Control   15 Foot Co	15 Foot Control   15 Foot Co	Midland 79705	2/22/2014 Frac Performed	by: Baker Hughes					
### Committee   Co	### 452 239  ### 1997  ### 1997    Committee   Committ	## 66 34 200  ***TOTALLE FUELD COMPOSITION AND CONCENTRATION**  **TOTALLE FUELD COMPOSITION AND CONCENTRATION**    Formation	### Committee   Co	96831					14. Gross Fr	actured Interval: ,550 ft to 6,200 ft	
### CASH ADM   Propriet   Proprie	### Company   Co	### CASH STATE COMPOSITION AND CONCENTRATIONS   Table Name	### CASH ADM   Propriet   Proprie	6,200 ft 17. Total Volume of Re-Use Wa	ater Pumped:				18. Percent of	68,342 gals of Re-Use Water in Fluid Pumped:	
Committee   Comm	Commission   Com	Depart   Company   Compa	Committee   Comm	19. HYDRAULIC FLUI						Maximum Ingredient	
Chemical of 1	Control of III	Changes in   Cha	Chemical of 1					7732-18-5		mass) 100	mass) 9% 86.9763%
Chemical B	April 1925	Commission   Part   Comm	Chemical B			0.000.00	Chemicals in Ingredients				
Chemical in	Chemicals in   Chem	Commission   Com	Chemical in			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Chemicals in Ingredients				
Characterist in   Characteri	Characterist in Mark Highter	Characterist in   Characteri	Characterist in   Characteri				Chemicals in Ingredients	0.0000			
Chemical in	Chemical In	Chemical Inguistics   Correspond Inhabitor   Correspond Inhabitor   Consequent   NA   0.0007	Chemical in		10200 00 <del>2</del> 100		Chemicals in Ingredients				
Chemical in Highway	Chemical in Program	Chemical in High   Code   Co	Chemical in Highway		Salar Service de Toute de	3000	Chemicals in Ingredients				
FRW-19   Bailer Hughes	First   Baine Hughes	FRW-19   Baler Hughes	FRW-19   Bailer Hughes				Chemicals in Ingredients	300 5400			
FRV-16   Baser Hughes	FRV-16   Bater Hughes	FRV-16   Baser Hughes	FRV-16   Baser Hughes	No. of the second			Chemicals in Ingredients				
Commonstration	Control   Cont	Commonstration	Commonstration	FRW-18	Baker Hughes	Friction Reducer	Listed with Chemicals in Ingredients	1000			
Femoric 2804_   Baser Hughes   Inon Control   Lede with   NA   Cheminate in   NA   C	Femoria 2804_   Baser Hughes   Inn Control   Liefs with   N/A   Oh   0.00895	Femorio 2804_   Base Hughes   Inon Control   Lees with   NA	Femoric 2804_   Baser Hughes   Inon Control   Lede with   NA   Cheminate in   NA   C	GW-3	Baker Hughes	Gelling Agent	Listed with Chemicals in	N/A		C	0.1025%
No.   Committee   Stand Hughes   No.   N	No.   Common   Comm	No.   Committee   State Hughes   No.   N	No.   Committee   Stand Hughes   No.   N	Ferrotrol 280L	Baker Hughes	Iron Control	Listed with Chemicals in	N/A		C	0.0088%
Sand_White_Flags    Saker Hughes   Proposed   Liberium   N/A   Oh   0.88295	Sand_White_Flags    Saler Hughes   Proposed   Lefed with   NA	Sand_White_Flags    Saker Hughes   Proposed   Liefes with   NA	Sand_White_Flags    Saker Hughes   Proposed   Liberium   N/A   Oh   0.88295	NE-23, 330 gallon tote	Baker Hughes	Non-emulsifier	Listed with Chemicals in	N/A		C	0.0049%
Stort Prop. 16:50   Baker Hughes   Proppant   Letter with   Chemicals in   Chem	Stort Prop. 1670	Steel Prop. 1650	Stort Prop. 16:50   Baker Hughes   Proppant   Letter with   Chemicals in   Chem	Sand, White, 16/30	Baker Hughes	Proppant	Listed with Chemicals in	N/A		C	9% 8.8992%
Baker Hughes	Barer Hughes	Bare   Hughes   Bare   Hughes   Reduct   Chemical ingredients   Bare   Hughes   Treatment System   Reduct   Chemical ingredients   Chem	Baker Hughes	SiberProp, 16/30	Baker Hughes	Proppant	Listed with Chemicals in	N/A		C	1.7504%
Element Ingredients	Emeral Ingredients   Baker Hughes   Treatment System   Achorics, C12-14   100%   0.0032726	Chemical Ingredients   Baser Hughes   Treatment System   Alexandrosthrand   2-44-2   100%   0.048776	Element Ingredients	INFLO 72	Baker Hughes		Listed with Chemicals in	N/A		C	0.0862%
Ethnoy/alard   Aktonis, G12-16,   68851-12-2   2%   0.0002419	Ethnoylated   Aktohols, C12-16,   68551-12-2   2%   0.000219	Ethnoylated   Akrohols, C12-16,   68551-12-2   2%   0.000291%   Akrohols, C12-16,   ethnoylated   Akrohols, C12-16,   ethnoylated   217,55,02-9   3%   0.000437   217,55,02-9   3%   0.000437   217,55,02-9   3%   0.000437   217,55,02-9   3%   0.000437   217,55,02-9   3%   0.000437   217,55,02-9	Ethnoy/alard   Aktonis, G12-16,   68851-12-2   2%   0.0002419	Chemical Ingredients	Baker Hughes	Treatment System	2-Mercaptoethanol				
Ammonium   136-21-6   5%   0.0004276	Ammonism   136-21-6   59%   0.000429	Ammonium   136-21-6   594   0.000479	Ammonium   136-21-6   5%   0.0004276				Ethoxylated	68551-12-2		2	0.000291%
Hydroxide   Benry Chloride   100-44-7   1%   4.9E-056	Hydroxide   Servy Chloride   100-44-7   1%   4.9E-059   62497-72-5   1%   6.9E-059   62497-72-5   1%   6.9E-059   62497-72-5   1%   6.9E-059   62497-72-5   100%   6.9E-059   62497-72-5   100%   6.9E-059   62497-72-5   100%   6.9E-059   62497-72-5   100%   6.9E-059   62497-72-5	Hydroxide   Berry Chloride   100-44-7   1%   4.9E-055	Hydroxide   Benry Chloride   100-44-7   1%   4.9E-056				Ammonium Chloride				
Cocarinie   Choline Chioline   748-1   75%   0.0115286   Crystaline Silica   (488-60-7   100%   8.893766   (Cusart)   100%   10%   10	Cocamine   Choline Childred   7448-1   75%   0.0115286   Crystaline Silica   (4888-60-7   100%   8.8937666   Crystaline Silica   (4888-60-7   100%   8.8937666   Cluster   Childred   Chi	Cocamine   Cholined   67-48-1   75%   0.0115281	Cocarinie   Choline Chioline   748-1   75%   0.0115286   Crystaline Silica   (488-60-7   100%   8.893766   (Cusart)   100%   10%   10				Hydroxide Benzyl Chloride	100-44-7		1	1% 4.9E-05%
Country Chlorade   7447-39-4   5%   0.000448	Country Chlorade   7447-39-4   5%   0.000449	Country   Chinaris   Cupir Chinaris   Chinaris   Chinaris   Cupir Chinar	Country Chlorade   7447-39-4   5%   0.000448				cocamine Choline Chloride	67-48-1		75	5% 0.011528%
Ethioxylated   9016-45-9   5%   0.0002489   Nonylphenol	Ethioxylated   9016-45-9   5%   0.0002469     Nonylphenol   Ethylene Glycol   107-21-1   25%   0.035441     Ethylene Glycol   107-21-1   25%   0.035441     Fatty Acids   6179-12-3   10%   0.000565     Formaldehyde   50-00-0   1%   5.76-059     Guar Gum   9000-30-0   100%   0.000739     Guar Gum   9000-30-0   100%   0.000739     Hydrochioric Acid   7647-01-0   15%   0.275799     Hydrochioric Acid   7647-01-0   15%   0.275799     Hydrochioric Acid   7647-01-0   15%   0.0004719     Distillated   1064742-47-8   30%   0.0043719     Biopropanol   67-83-0   30%   0.022359     Roman   67-85-1   100%   0.023659     Roman   67-85-1   100%   0.023659     Roman   68527-49-1   7%   0.0003669     Roman   68527-49-1   7%   0.0003	Ethnoylated Nonyiphenol   Physical Property   Physical Physical Property   Physical Property   Physical Property   Physical Physical Property   Physical Property   Physical Property   Physical Physi	Ethioxylated   9016-45-9   5%   0.0002489   Nonylphenol				(Quartz) Cupric Chloride	7447-39-4		5	5% 0.00044%
Farty Acids	Fafty Acids	Fatty Acids	Farty Acids				Ethoxylated				
Glutaralderlyde   111-30-8   30%   0.0070379	Glutarialderyde   111-30-8   30%   0.0070379	Glutaralderlyde   111-30-8   30%   0.0070375	Glutaralderlyde   111-30-8   30%   0.0070379				Fatty Acids	61790-12-3		10	0.000565%
Hydrofrested Light   64742-47-8   30%   0.0043719	Hydrofreated Light   64742-47-8   30%   0.0043719	Hydrofrested Light   64742-47-8   30%   0.0043715	Hydrofrested Light   64742-47-8   30%   0.0043719				Glutaraldehyde Guar Gum	111-30-8 9000-30-0		30 100	0% 0.007037% 0% 0.102413%
Methanol 67-58-1	Methanol 67-56-1 100% 0.02305%	Methanol 67-58-1   100%   0.023058	Methanol 67-58-1				Hydrotreated Light Distillate	64742-47-8		30	0.004371%
Noninic Alkoxylate   70559-25-0   10%   0.0086169	Noninclic Alkoxylate   70559-25-0   10%   0.0086169	Noninic Alkoxylate   70559-25-0   10%   0.0086165	Noninic Alkoxylate   70559-25-0   10%   0.0086169				Methanol Modified Thiourea	67-56-1		100	0.02305%
Olefin Sulfonate   30965-85-6   309%   0.0029579	Olefin Sulfonate   30965-85-6   3096   0.0029579	Olefin Sulfonate   30965-85-6   30%   0.0029578	Olefin Sulfonate   30965-85-6   309%   0.0029579				Nonionic Alkoxylate Oleamide DEA	93-83-4		2	2% 0.000291%
Organic Polyol   112-27-6   15%   0.0128239	Organic Polyol   112-27-6   15%   0.0128239	Organic Polyol   112-27-6   15%   0.0129238   Poly (acrylamide-co- 62649-23-4   30%   0.0043719   306   30643719   3064	Organic Polyol   112-27-6   15%   0.0128239				Olefin Sulfonate	30965-85-6		30	0.002957%
Sodium Salt	Sodium Salt   Polyester   68511-95-1   15%   0.000739%	Sodium Salt	Sodium Salt				Poly (acrylamide-co-				0.012923%
Polyethylene glycol   25322-68-3   5%   0.0017349	Polyethylene glycol   25322-68-3   5%   0.001734%	Polyethylene glycol   25322-68-3   5%   0.0017349	Polyethylene glycol   25322-68-3   5%   0.0017349				sodium salt Polyester				
Sorbitan Monooleate   Propargyl Alcohol   107-19-7   5%   0.0002839	Sorbitan Monooleate   Propargyl Alcohol   107-19-7   5%   0.0002839	Sorbitan Monooleate   Propargyl Alcohol   107-19-7   5%   0.0002839	Sorbitan Monooleate   Propargyl Alcohol   107-19-7   5%   0.0002839				Polyethylene glycol Polyoxyalkylenes	25322-68-3 68951-67-7		30	5% 0.001734% 0% 0.001696%
Quaternary Amine   61789-68-2   30%   0.0014789	Quaternary Amine   61789-68-2   30%   0.001478%	Quaternary Amine   61789-68-2   30%   0.0014789	Quaternary Amine   61789-68-2   30%   0.0014789				Sorbitan Monooleate Propargyl Alcohol	107-19-7		5	5% 0.000283%
Sodium Hydroxide   1310-73-2   9%   0.0129039	Sodium Hydroxide   1310-73-2   9%   0.012903%	Sodium Hydroxide   1310-73-2   99%   0.0129039	Sodium Hydroxide   1310-73-2   9%   0.0129039				Quaternary Amine Compounds	61789-68-2		30	0.001478%
Sorbitan Monooleate   1338-43-8   0.5%   7.3E-059	Sorbitan Monooleate   1338-43-8   0.5%   7.3E-05%	Sorbitan Monooleate   1338-43-8   0.5%   7.3E-059	Sorbitan Monooleate   1338-43-8   0.5%   7.3E-059				Sodium Hydroxide	1310-73-2		9	9% 0.012903%
Ingredients shown above are subject to 29 CFR 1910  20. 1, 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: Fatima Vasquez Title: Regulatory Analyst  Date: 4/17/2015  E-mail Address: fatima.vasquez@apachecorp.com	Ingredients shown above are subject to 29 CFR 1910  20.1, 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: Fatima Vasquez Title: Regulatory Analyst  Date: 4/17/2015  E-mail Address: fatima.vasquez@apachecorp.com	Ingredients shown above are subject to 29 CFR 1910  20. 1, 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: Fatima Vasquez Tritle: Regulatory Analyst  Date: 4/17/2015  E-mail Address: fatima.vasquez@apachecorp.com	Ingredients shown above are subject to 29 CFR 1910  20. 1, 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: Fatima Vasquez Title: Regulatory Analyst  Date: 4/17/2015  E-mail Address: fatima.vasquez@apachecorp.com				Surfactant	68131-39-5		1.5	0.003015%
Signeture: Signed Electronically Printed Name: Fatima Vasquez Title: Regulatory Analyst  Date: 4/17/2015  E-mail Address: fatima.vasquez@apachecorp.com	Signeture:     Signed Electronically     Printed Name:     Fatima Vasquez     Title:     Regulatory Analyst       Date:     4/17/2015       E-mail Address:     fatima.vasquez@apachecorp.com	Signeture:     Signed Electronically     Printed Name:     Fatima Vasquez     Title:     Regulatory Analyst       Date:     4/17/2015       E-mail Address:     fatima.vasquez@apachecorp.com	Signeture: Signed Electronically Printed Name: Fatima Vasquez Title: Regulatory Analyst  Date: 4/17/2015  E-mail Address: fatima.vasquez@apachecorp.com	subject to 29 CFR 1910	SS-22						
E-mail Address: fatima.vasquez@apachecorp.com	E-mail Address: fatima.vasquez@apachecorp.com	E-mail Address: fatima.vasquez@apachecorp.com	E-mail Address: fatima.vasquez@apachecorp.com	Signature: Signed	Electronically	1000		of my knowledge s	and belief.	Title: Regulatory Analyst	
INNOCD does not require the reporting of information beyond in SDS data as described in 29 GFR 1910.1200. NINOCD does not require the reporting of disclosure of proprietary, trade secret or confidential business information				E-mail Address: fatima.	vasquez@apachecorp.		1 29 CFR 1910.1200. NMOO	CD does not require	the reporting o	or disclosure of proprietary, trade sec	ret or confidential business information