	I completion	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division				Revised November 6, 2013 1. WELL API NO. 30-015-27179												
	Er																	
						2. Well Name: NDDUP #106												
1220 S. St Francis Dr. Santa Fe, NM 87505 HYDRAULIC FRACTURING FLUID DISCLOSURE						3. Well Number: 106 4. Surface Hole Location: Unit: F Lot: F Section: 30 Township: 19S Range: 25E Feet from: 1980 N/S Line: N Feet from: 1980 E/W Line: W												
									Original						5. Bottom Hole Locati	on:	30,800	2000
									□ Amendment						Unit:F Lot:F Sec Feet from: 1980 Feet from: 1980	N	Fownship:19S WS Line:N E/W Line:W	Range:25E
						6. latitude:	527930545	longitude:										
						7. County:	127 930343	104.5264107	64604									
						Eddy												
105 S 4TH ST ARTESIA 88210	EUM CORPORATION				9. OGRID:	25575	10. Phor	ne Number:										
11. Last Fracture Date: 10/	25/2013 Frac Performe	ed by: Elite Well Services,	LLC		12. Productio	on Type:												
13. Pool Code(s): 97565						actured Interval:												
15. True Vertical Depth (TVD):					16. Total Vol	2,400 ft to 2,630 ft olume of Fluid Pumped:												
8,100 ft 17. Total Volume of Re-Use W	/ater Pumped:					510,300 gals t of Re-Use Water in Fluid Pumped:												
N/A						ot Disclosed												
19. HYDRAULIC FLUII Trade Name	Supplier Supplier	Purpose	IION:	(CAS#) Chemic	cal Abstract	Maximum Ingredient		Maximum Ingr	edient									
riade Hame	барриет	i dipose	Ingredients	Service #	our Abbudot	Concentration in Addi	tive (% by		in HF Fluid (% by									
Water		Carrier Base Fluid	**********	7732-18-5		mass)	100%	Illassj	95.35226%									
Sand (Proppant)		Proppant	Silicon Dioxide	14808-60-7			100%	1	0.70709%									
Ferriplex	Chemplex, LC	Iron Control	Acetic Acid	64-19-7 77-92-9 7732-18-5			50%		0.00215%									
			Citric Acid Water				30% 35%		0.00129%									
Plexhreak 150	0111-0	Non-Emulsifier		68603-42-9					0.00151%									
Plexbreak 150	Chemplex LC	Non-Emuisiler	Cocamide				30%											
Plexbreak 150	Chemplex, LC	Non-Emulsiller	Cocamide Diethanolamine Salt	00003-42-9			30%											
Plexbreak 150	Chemplex, LC	Non-Emulsiller	Diethanolamine Salt Diethanolamine	111-42-2			20%		0.00013%									
Plexbreak 150	Chemplex, LC	Non-Emulsiller	Diethanolamine Salt Diethanolamine Methyl Alcohol	111-42-2 67-56-1			20% 50%		0.00034%									
			Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret	111-42-2 67-56-1 Trade Secret			20% 50% 5%		0.00034% 0%									
Plexbreak 150 Plexcide 24B	Chemplex, LC	Biocide	Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret Tetrahydro-3, 5- Dimethyl-2H-1, 3, 5- thiadiazine-2-thione	111-42-2 67-56-1 Trade Secret 533-73-2			20% 50% 5% 24%		0.00034% 0% 0.00582%									
			Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret Tetrahydro-3, 5- Dimethyl-2H-1, 3, 5- thiadiazine-2-thione Sodium Hydroxide	111-42-2 67-56-1 Trade Secret 533-73-2			20% 50% 5% 24%		0.00034% 0% 0.00582% 0.00291%									
Plexcide 24B	Chemplex, LC	Biocide	Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret Tetrahydro-3, 5- Dimethyl-2H-1, 3, 5- thiadiazine-2-thione Sodium Hydroxide Water	111-42-2 67-56-1 Trade Secret 533-73-2 1310-73-2 7732-18-5			20% 50% 5% 24% 12% 72%		0.00034% 0% 0.00582% 0.00291% 0.01745%									
Plexcide 24B			Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret Tetrahydro-3, 5- Dimethyl-2H-1, 3, 5- thiadiazine-2-thione Sodium Hydroxide	111-42-2 67-56-1 Trade Secret 533-73-2			20% 50% 5% 24%		0.00034% 0% 0.00582% 0.00291% 0.01745% 0.0009%									
Plexcide 24B	Chemplex, LC	Biocide	Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret Tetrahydro-3, 5- Dimethyl-2H-1, 3, 5- thiadiazine-2-thione Sodium Hydroxide Water Methyl Alcohol	111-42-2 67-56-1 Trade Secret 533-73-2 1310-73-2 7732-18-5 67-56-1			20% 50% 5% 24% 12% 72% 70%		0.00034% 0% 0.00582% 0.00291% 0.01745% 0.0009% 0.0001%									
Plexcide 24B	Chemplex, LC	Biocide	Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret Tetrahydro-3, 5- Dimethyl-2H-1, 3, 5- thiadiazine-2-thione Sodium Hydroxide Water Methyl Alcohol Propargyl Alcohol thiourea- formaldehyde copolymer Alcohol Ethoxylate surfactants	111-42-2 67-56-1 Trade Secret 533-73-2 1310-73-2 7732-18-5 67-56-1 107-19-7 68527-49-1 Trade Secret			20% 50% 5% 24% 12% 72% 70% 8% 30%		0.00034% 0% 0.00582% 0.00291% 0.01745% 0.0009% 0.0001% 0.00038%									
Plexcide 24B Plexhib 256	Chemplex, LC Chemplex, LC	Biocide Corrosion Inhibitor	Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret Tetrahydro-3, 5- Dimethyl-2H-1, 3, 5- thiadiazine-2-thione Sodium Hydroxide Water Methyl Alcohol Propargyl Alcohol thiourea- formaldehyde copolymer Alcohol Ethoxylate surfactants n-olefins	111-42-2 67-56-1 Trade Secret 533-73-2 1310-73-2 7732-18-5 67-56-1 107-19-7 68527-49-1 Trade Secret			20% 50% 5% 24% 12% 72% 70% 8% 30% 30%		0.00034% 0% 0.00582% 0.00291% 0.01745% 0.0009% 0.0001% 0.00038% 0.00038%									
Plexcide 24B Plexhib 256	Chemplex, LC	Biocide	Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret Tetrahydro-3, 5- Dimethyl-2H-1, 3, 5- thiadiazine-2-thione Sodium Hydroxide Water Methyl Alcohol Propargyl Alcohol thiourea- formaldehyde copolymer Alcohol Ethoxylate surfactants n-olefins Methyl Alcohol	111-42-2 67-56-1 Trade Secret 533-73-2 1310-73-2 7732-18-5 67-56-1 107-19-7 68527-49-1 Trade Secret Trade Secret 67-56-1			20% 50% 5% 24% 12% 72% 70% 30% 30%		0.00034% 0.00582% 0.00291% 0.01745% 0.0009% 0.00013% 0.00038% 0.00013% 0.00015%									
	Chemplex, LC Chemplex, LC	Biocide Corrosion Inhibitor	Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret Tetrahydro-3, 5- Dimethyl-2H-1, 3, 5- thiadiazine-2-thione Sodium Hydroxide Water Methyl Alcohol Propargyl Alcohol thiourea- formaldehyde copolymer Alcohol Ethoxylate surfactants n-olefins Methyl Alcohol Alcohol Ethoxylate surfactants	111-42-2 67-56-1 Trade Secret 533-73-2 1310-73-2 7732-18-5 67-56-1 107-19-7 68527-49-1 Trade Secret 67-56-1 Trade Secret			20% 50% 5% 24% 72% 70% 8% 30% 30%		0.00034% 0% 0.00582% 0.00291% 0.01745% 0.0009% 0.00018% 0.00038% 0.00015% 0.00015%									
Plexcide 24B Plexhib 256 Plexsurf 240 E	Chemplex, LC Chemplex, LC	Biocide Corrosion Inhibitor	Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret Tetrahydro-3, 5- Dimethyl-2H-1, 3, 5- thiadiazine-2-thione Sodium Hydroxide Water Methyl Alcohol Propargyl Alcohol thiourea- formaldehyde copolymer Alcohol Ethoxylate surfactants n-olefins Methyl Alcohol Alcohol Ethoxylate surfactants Water	111-42-2 67-56-1 Trade Secret 533-73-2 1310-73-2 7732-18-5 67-56-1 107-19-7 68527-49-1 Trade Secret 67-56-1 Trade Secret 67-56-1 Trade Secret			20% 50% 5% 24% 72% 70% 8% 30% 30% 10% 20% 80%		0.00034% 0% 0.00582% 0.00291% 0.01745% 0.0009% 0.00018% 0.00015% 0.00015% 0.00015%									
Plexcide 24B Plexhib 256 Plexsurf 240 E	Chemplex, LC Chemplex, LC	Biocide Corrosion Inhibitor Surfactant	Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret Tetrahydro-3, 5- Dimethyl-2H-1, 3, 5- thiadiazine-2-thione Sodium Hydroxide Water Methyl Alcohol Propargyl Alcohol thiourea- formaldehyde copolymer Alcohol Ethoxylate surfactants n-olefins Methyl Alcohol Alcohol Ethoxylate surfactants Udentyl Alcohol Alcohol Ethoxylate surfactants Water 36% Hydrochloric Acid	111-42-2 67-56-1 Trade Secret 533-73-2 1310-73-2 7732-18-5 67-56-1 107-19-7 68527-49-1 Trade Secret Trade Secret 67-56-1 Trade Secret 7732-18-5 7647-01-0			20% 50% 5% 24% 72% 70% 8% 30% 30% 20% 20% 88%		0.00034% 0% 0.00582% 0.00291% 0.01745% 0.0009% 0.0001% 0.00038% 0.00015% 0.00015% 0.00015% 0.00058% 0.01685%									
Plexcide 24B Plexhib 256 Plexsurf 240 E 20% Hydrochloric Acid	Chemplex, LC Chemplex, LC Chemplex, LC	Biocide Corrosion Inhibitor Surfactant Acid	Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret Tetrahydro-3, 5- Dimethyl-2H-1, 3, 5- thiadiazine-2-thione Sodium Hydroxide Water Methyl Alcohol Propargyl Alcohol thiourea- formaldehyde copolymer Alcohol Ethoxylate surfactants n-olefins Methyl Alcohol Alcohol Ethoxylate surfactants Water 36% Hydrochloric Acid Water	111-42-2 67-56-1 Trade Secret 533-73-2 1310-73-2 7732-18-5 67-56-1 107-19-7 68527-49-1 Trade Secret 7732-18-5 7647-01-0			20% 50% 5% 24% 72% 70% 8% 30% 30% 20% 20% 18.8% 81.2%		0.00034% 0% 0.00582% 0.00291% 0.01745% 0.0009% 0.00013% 0.00015% 0.00015% 0.00015% 0.00058% 0.01685% 0.07277%									
Plexcide 24B Plexhib 256 Plexsurf 240 E 20% Hydrochloric Acid	Chemplex, LC Chemplex, LC	Biocide Corrosion Inhibitor Surfactant	Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret Tetrahydro-3, 5- Dimethyl-2H-1, 3, 5- thiadiazine-2-thione Sodium Hydroxide Water Methyl Alcohol Propargyl Alcohol thiourea- formaldehyde copolymer Alcohol Ethoxylate surfactants n-olefins Methyl Alcohol Alcohol Ethoxylate surfactants Water 36% Hydrochloric Acid Water Hydrogen Peroxide Methyl Alcohol	111-42-2 67-56-1 Trade Secret 533-73-2 1310-73-2 7732-18-5 67-56-1 107-19-7 68527-49-1 Trade Secret Trade Secret 67-56-1 Trade Secret 7732-18-5 7647-01-0			20% 50% 5% 24% 72% 70% 8% 30% 30% 20% 20% 88%		0.00034% 0% 0.00582% 0.00291% 0.01745% 0.0009% 0.0001% 0.00038% 0.00015% 0.00015% 0.00015% 0.00058% 0.01685%									
Plexcide 24B Plexhib 256 Plexsurf 240 E 20% Hydrochloric Acid	Chemplex, LC Chemplex, LC Chemplex, LC CNR	Biocide Corrosion Inhibitor Surfactant Acid Gel Breaker	Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret Tetrahydro-3, 5- Dimethyl-2H-1, 3, 5- thiadiazine-2-thione Sodium Hydroxide Water Methyl Alcohol Propargyl Alcohol thiourea- formaldehyde copolymer Alcohol Ethoxylate surfactants n-olefins Methyl Alcohol Alcohol Ethoxylate surfactants Water 36% Hydrochloric Acid Water Hydrogen Peroxide Methyl Alcohol 2-Butoxyethanol	111-42-2 67-56-1 Trade Secret 533-73-2 1310-73-2 7732-18-5 67-56-1 107-19-7 68527-49-1 Trade Secret 67-56-1 Trade Secret 7732-18-5 7647-01-0 7732-18-5 7722-84-1 67-56-1 111-76-2			20% 50% 5% 24% 72% 70% 8% 30% 30% 20% 20% 888 18.8% 81.2% 7% 10% 50%		0.00034% 0% 0.00582% 0.00291% 0.01745% 0.0009% 0.00013% 0.00015% 0.00015% 0.000585% 0.00585% 0.00882% 0.00441%									
Plexcide 24B Plexhib 256 Plexsurf 240 E 20% Hydrochloric Acid Plexgel Breaker XPA Plexsurf 580 ME	Chemplex, LC Chemplex, LC Chemplex, LC CNR Chemplex, LC Chemplex, LC	Biocide Corrosion Inhibitor Surfactant Acid Gel Breaker Surfactant	Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret Tetrahydro-3, 5- Dimethyl-2H-1, 3, 5- thiadiazine-2-thione Sodium Hydroxide Water Methyl Alcohol Propargyl Alcohol thiourea- formaldehyde copolymer Alcohol Ethoxylate surfactants n-olefins Methyl Alcohol Alcohol Ethoxylate surfactants Water 36% Hydrochloric Acid Water Hydrogen Peroxide Methyl Alcohol 2-Butoxyethanol Water	111-42-2 67-56-1 Trade Secret 533-73-2 1310-73-2 7732-18-5 67-56-1 107-19-7 68527-49-1 Trade Secret 67-56-1 Trade Secret 7732-18-5 7647-01-0 7732-18-5 7722-84-1 67-56-1 111-76-2 7732-18-5			20% 50% 5% 24% 72% 70% 8% 30% 30% 20% 20% 888 81.2% 7% 10% 50% 40%		0.00034% 0% 0.00582% 0.00291% 0.01745% 0.0009% 0.00018% 0.00015% 0.00015% 0.00015% 0.01685% 0.07277% 0.005882% 0.00882% 0.00441% 0.03528%									
Plexcide 24B Plexhib 256 Plexsurf 240 E 20% Hydrochloric Acid	Chemplex, LC Chemplex, LC Chemplex, LC CNR	Biocide Corrosion Inhibitor Surfactant Acid Gel Breaker	Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret Tetrahydro-3, 5- Dimethyl-2H-1, 3, 5- thiadiazine-2-thione Sodium Hydroxide Water Methyl Alcohol Propargyl Alcohol thiourea- formaldehyde copolymer Alcohol Ethoxylate surfactants n-olefins Methyl Alcohol Alcohol Ethoxylate surfactants Water 36% Hydrochloric Acid Water Hydrogen Peroxide Methyl Alcohol 2-Butoxyethanol Water Alcohol Ethoxylate Surfactants	111-42-2 67-56-1 Trade Secret 533-73-2 1310-73-2 7732-18-5 67-56-1 107-19-7 68527-49-1 Trade Secret 7732-18-5 7647-01-0 7732-18-5 7722-84-1 67-56-1 111-76-2 7732-18-5 7722-84-1			20% 50% 5% 24% 72% 70% 30% 30% 30% 40% 81.2% 7% 10.8% 50% 40% 88%		0.00034% 0% 0.00582% 0.00291% 0.01745% 0.0009% 0.0001% 0.00038% 0.00015% 0.00015% 0.000585% 0.01685% 0.07277% 0.00585% 0.00882% 0.00441% 0.03528% 0.0076%									
Plexcide 24B Plexhib 256 Plexsurf 240 E 20% Hydrochloric Acid Plexgel Breaker XPA Plexsurf 580 ME	Chemplex, LC Chemplex, LC Chemplex, LC CNR Chemplex, LC Chemplex, LC	Biocide Corrosion Inhibitor Surfactant Acid Gel Breaker Surfactant	Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret Tetrahydro-3, 5- Dimethyl-2H-1, 3, 5- thiadiazine-2-thione Sodium Hydroxide Water Methyl Alcohol Propargyl Alcohol thiourea- formaldehyde copolymer Alcohol Ethoxylate surfactants n-olefins Methyl Alcohol Alcohol Ethoxylate surfactants Water 36% Hydrochloric Acid Water Hydrogen Peroxide Methyl Alcohol 2-Butoxyethanol Water Alcohol Ethoxylate	111-42-2 67-56-1 Trade Secret 533-73-2 1310-73-2 7732-18-5 67-56-1 107-19-7 68527-49-1 Trade Secret 67-56-1 Trade Secret 7732-18-5 7647-01-0 7732-18-5 7722-84-1 67-56-1 111-76-2 7732-18-5			20% 50% 5% 24% 72% 70% 8% 30% 30% 20% 20% 888 81.2% 7% 10% 50% 40%		0.00034% 0% 0.00582% 0.00291% 0.01745% 0.0009% 0.00013% 0.00015% 0.00015% 0.000588% 0.01685% 0.07277% 0.00585% 0.00882%									
Plexcide 24B Plexhib 256 Plexsurf 240 E 20% Hydrochloric Acid Plexgel Breaker XPA Plexsurf 580 ME	Chemplex, LC Chemplex, LC Chemplex, LC CNR Chemplex, LC Chemplex, LC	Biocide Corrosion Inhibitor Surfactant Acid Gel Breaker Surfactant	Diethanolamine Salt Diethanolamine Methyl Alcohol Trade Secret Tetrahydro-3, 5- Dimethyl-2H-1, 3, 5- thiadiazine-2-thione Sodium Hydroxide Water Methyl Alcohol Propargyl Alcohol thiourea- formaldehyde copolymer Alcohol Ethoxylate surfactants Methyl Alcohol Alcohol Ethoxylate surfactants Water 36% Hydrochloric Acid Water Hydrogen Peroxide Methyl Alcohol 2-Butoxyethanol Water Alcohol Ethoxylate Surfactants Hydrotreated	111-42-2 67-56-1 Trade Secret 533-73-2 1310-73-2 7732-18-5 67-56-1 107-19-7 68527-49-1 Trade Secret 7732-18-5 7647-01-0 7732-18-5 7722-84-1 67-56-1 111-76-2 7732-18-5 7722-84-1			20% 50% 5% 24% 72% 70% 30% 30% 30% 40% 81.2% 7% 10.8% 50% 40% 88%		0.00034% 0% 0.00582% 0.00291% 0.01745% 0.0009% 0.0001% 0.00038% 0.00015% 0.00015% 0.000585% 0.01685% 0.07277% 0.00585% 0.00882% 0.00441% 0.03528% 0.0076%									

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12/5/2013