	Ene	State ergy, Minera Oil Con 1220 Sant	Revised November 6, 2013 1. WELL API NO. 30-025-42343 2. Well Name: LEA UNIT #033H 3. Well Number: 033H				
Santa Fe, NM 87505 HYDRAULIC FRACTURING FLUID DISCLOSURE Original Amendment						4. Surface Hole Location: Unit: C Lot: C Section: 13 Township: 20S Range: 34E Feet from: 1915 E/W Line: W 5. Bottom Hole Location: Unit: C Lot: C Section: 13 Township: 20S Range: 34E Feet from: 195 N/S Line: N Feet from: 1915 E/W Line: W 6. latitude: 102 51643655408	
Operator Name and Address:					9. OGRID:	32.5799920985756 7. County: Lea 240974 10. Phone Numb	-103.51613655488
LEGACY RESERVE P. O. Box 10848 Midland 79702 11. Last Fracture Date: 9/29/2 13. Pool Code(s): 37570 15. True Vertical Depth (TVD):	ES OPERATING, LP				12. Production O 14. Gross Fra 9, 16. Total Volu	n Type: ctured Interval: 549 ft to 15,550 ft me of Fluid Pumped:	er: 432-002-2310
10,905 ft 17. Total Volume of Re-Use Water N/A 19. HYDRAULIC FLUID (AND CONCENTRA	TION:		18. Percent of	308,208 gals f Re-Use Water in Fluid Pumped: of Disclosed	
Trade Name Water	Supplier Operator	Purpose	Ingredients Water	(CAS#) Chemi Service# 7732-18-5	cal Abstract	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (% b mass) 88.48139
HCl, 7.6 - 10% Activator, 330 gal tote	Baker Hughes Baker Hughes	Acidizing Activator	Listed with Chemicals in Ingredients Listed with Chemicals	N/A		0%	0.82969
Alpha 114, 260 gl tote	Baker Hughes	Biocide	in Ingredients Listed with Chemicals in Ingredients			0%	
GBW-5 CI-14	Baker Hughes Baker Hughes	Breaker Corrosion Inhibitor	Listed with Chemicals in Ingredients Listed with Chemicals			0%	
FRW-18	Baker Hughes	Friction Reducer	in Ingredients Listed with Chemicals in Ingredients			0%	
Ferrotrol 280L	Baker Hughes	Iron Control	Listed with Chemicals in Ingredients Listed with Chemicals			0%	
NE-23, 55 gallon drum Sand, White, 30/50	Baker Hughes Baker Hughes	Non-emulsifier Proppant	in Ingredients Listed with Chemicals			0%	Sec. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10
Sand, White, 100 mesh	Baker Hughes	Proppant	in Ingredients Listed with Chemicals in Ingredients			0%	
OilPlus Bulk (30/50) Flo-Back 40, tote	Baker Hughes Baker Hughes	Proppant Surfactant	Listed with Chemicals in Ingredients Listed with Chemicals	3000		0%	
Chemical Ingredients	Baker Hughes	Treatment System	in Ingredients 2-Mercaptoethanol Alcohols, C12-14-	60-24-2 84133-50-6		100% 70%	0.0029739
			Secondary, Ethoxylated Alcohols, C12-16,	68551-12-2		2%	87,175,000
			ethoxylated Ammonium Chloride Ammonium Hydroxide	12125-02-9		3%	0.0035289
			Ammonium Persulphate	7727-54-0		100%	0.004298%
			Benzyl Chloride Bis (hydroethyl) cocamine	100-44-7 68439-72-5		1% 1%	9E-06%
			Cocamidopropyl betaine Cocamidopropylamide	61789-40-0 68155-09-9		20%	
			oxide Crystalline Silica (Quartz)	14808-60-7		100%	8.230585%
			Cupric Chloride Ethanol Ethoxylated	7447-39-4 64-17-5 9016-45-9		5% 0.3% 5%	6.9E-059
			Nonylphenol Fatty Acids Formaldehyde	61790-12-3 50-00-0		10%	0.000129%
			Glutaraldehyde Glycerol	111-30-8 56-81-5 7647-01-0		30% 1% 10%	0.0069259 0.0005129
			Hydrochloric Acid Hydrotreated Light Distillate	64742-47-8		30%	0.0352849
			Isopropanol Methanol Modified Thiourea	67-63-0 67-56-1 68527-49-1		30% 100% 7%	0.017001%
			Polymer Oleamide DEA Olefin	93-83-4 64743-02-8		2% 5%	
			Olefin Sulfonate Poly (acrylamide-co- acrylic acid) partial	30965-85-6 62649-23-4		30% 30%	
			sodium salt Polyester Polyethylene glycol	68511-95-1 25322-68-3		15% 5%	
			Polyoxyalkylenes Polyoxythylene Sorbitan Monooleate	68951-67-7 9005-65-6		30% 0.5%	
			Propargyl Alcohol Quartz (Silica) Quaternary Amine	107-19-7 14808-60-7 61789-68-2		5% 100% 30%	2.170519
			Compounds Quaternary	68424-85-1		5%	
			Ammonium Compound Sodium Chloride	7647-14-5		30%	
Ingredients shown above		+	Sorbitan Monooleate Water	1338-43-8 7732-18-5		0.5% 90% 0%	0.854319%
are subject to 29 CFR 1910 20. I, as Operator, hereby certify the Signature: Signed Ele		on this disclosure form is true		f my knowledge a	nd belief.	Title: Production Accounting	
Date: 5/27/2016		Intel Name. Travis wicg	iaw			nie. I routelon Accounting	
							or confidential business information