

Submit within 45 days of well completion	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505	Revised November 6, 2013				
		1. WELL API NO: 30-025-43488				
		2. Well Name: GRAMMA 27 STATE #003H				
		3. Well Number: 003H				
HYDRAULIC FRACTURING FLUID DISCLOSURE  <input checked="" type="checkbox"/> Original  <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:O    Lot:O    Section:27    Township:21S    Range:34E Feet from:420    N/S Line:S Feet from:2310    E/W Line:E				
		5. Bottom Hole Location: Unit:O    Lot:O    Section:27    Township:21S    Range:34E Feet from:330    N/S Line:S Feet from:1997    E/W Line:E				
		6. latitude:    longitude: 32.443707    -103.456195				
		7. County: Lea				
8. Operator Name and Address: CAZA OPERATING, LLC 200 N LORAIN STE 1550 MIDLAND 79701		9. OGRID: 249099	10. Phone Number: 432-682-7424			
11. Last Fracture Date:    3/2/2017    Frac Performed by:    C&J Well Services		12. Production Type: O				
13. Pool Code(s): 28435		14. Gross Fractured Interval: 11,008 ft to 14,648 ft				
15. True Vertical Depth (TVD): 10,418 ft		16. Total Volume of Fluid Pumped: 3,649,961 gals				
17. Total Volume of Re-Use Water Pumped: N/A		18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed				
19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:						
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemical Abstract Service #	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (% by mass)
Water	C&J Well Services	Carrier Fluid	Water	7732-18-5	100%	82.1528043%
TX Specific 40/70 mesh Sand	C&J Well Services	Sand - Bulk - Texas	Aluminum Oxide	1344-28-1	1.1%	0.01714%
TX Specific 40/70 mesh Sand	C&J Well Services	Sand - Bulk - Texas	Crystalline Silica, quartz	14808-60-7	99.9%	1.556652%
TX Specific 40/70 mesh Sand	C&J Well Services	Sand - Bulk - Texas	Iron Oxide	1309-37-1	0.1%	0.001558%
TX Specific 40/70 mesh Sand	C&J Well Services	Sand - Bulk - Texas	Titanium Oxide	13463-67-7	0.1%	0.001558%
IMERYS ProLite 30/50	C&J Well Services	Proppants - Manufactured - Miscellaneous	Amorphous Silica	7631-86-9	15%	2.176539%
IMERYS ProLite 30/50	C&J Well Services	Proppants - Manufactured - Miscellaneous	Cristobalite	14464-46-1	30%	4.353079%
IMERYS ProLite 30/50	C&J Well Services	Proppants - Manufactured - Miscellaneous	Mulite	1302-93-8	70%	10.157184%
FR-14	C&J Well Services	Friction Reducer	Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	3%	0.000518%
CS-1	C&J Well Services	Clay Control Additives	Choline Chloride ((2-Hydroxyethyl) trimethyl ammonium chloride)	67-48-1	80%	0.022893%
CI-3	C&J Well Services	Acid Corrosion Inhibitors	1-DECANOL	112-30-1	5%	0.000555%
			1-OCTANOL	111-87-5	2.5%	0.000277%
			2-Butoxyethanol	111-76-2	15%	0.001664%
			Cinnamaldehyde	104-55-2	15%	0.001664%
			Dimethylformamide	68-12-2	20%	0.002218%
			Ethylene Glycol	107-21-1	40%	0.004437%
			Isopropyl Alcohol	67-63-0	2.5%	0.000277%
			Nonyphenol (branched), ethoxylated	127087-87-0	5%	0.000555%
			Tar bases, quinoline derivs, benzyl chloride-quaternized	72480-70-7	15%	0.001664%
			Triethyl Phosphate	78-40-0	2.5%	0.000277%
ICA-1	C&J Well Services	Iron Control Additives	Sodium Nitritriacetate	5064-31-3	50%	0.003121%
BR-1	C&J Well Services	Gel Breakers	Ammonium Persulfate	7727-54-0	100%	0.000958%
BR-2	C&J Well Services	Gel Breakers	Ammonium Persulfate	7727-54-0	76%	0.006031%
SU-2	C&J Well Services	Surfactants & Foamers	Cured Resin	Proprietary	24%	0.001905%
			Alcohols, C10-14, ethoxylated	66455-15-0	30%	0.000895%
			Amorphous Silica	7631-86-9	10%	0.000298%
			Glycerides, C14-18 Mono- And Di-	67701-33-1	15%	0.000447%
			Hydroxyethylcellulose	9004-62-0	15%	0.000447%
			Polydimethyl siloxane	63148-62-9	15%	0.000447%
			Propylene Glycol		10%	0.000298%
HC-15	C&J Well Services	Bulk Acid	Hydrochloric Acid	7647-01-0	15%	0.175362%
XL-20	C&J Well Services	Cross-linkers	Potassium Hydroxide	1310-58-3	10%	0.01294%
SI-6	C&J Well Services	Paraffin & Scale Additives	Proprietary	Proprietary	30%	0.038819%
			Ammonium Chloride	12125-02-9	2%	0.000346%
			Methanol	67-56-1	1%	0.000173%
			Monoethanolamine hydrochloride	2002-24-6	2%	0.000346%
			Phosphonic Acid Salt	Proprietary	6%	0.001038%
CS-5	C&J Well Services	Clay Control Additives	Calcium Chloride	10043-52-4	20%	0.011021%
B-445-10	C&J Well Services	Biocides	Isopropanol	67-63-0	0.1%	5.5E-05%
			DIDECYL DIMETHYL AMMONIUM CHLORIDE	7173-51-5	12%	0.002691%
GA-7F	C&J Well Services	Gelling Agents	Ethanol	64-17-5	3%	0.000673%
			Bentonite Clay	68953-58-2	5%	0.015516%
			CJENERGY-Hydrocarbon-00013	64742-47-8	60%	0.186187%
			Ethoxylated Alcohols	68002-97-1	100%	0.015516%
			Guar Gum	9000-30-0	60%	0.186187%
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:    Steve Morris    Title:    _____ Date:    3/21/2017 E-mail Address:    steve.morris@mojoenergy.com						

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