

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 February 15, 2012							
		1. WELL API NO: 30-015-39844							
		2. Well Name: FOREHAND RANCH 27 STATE COM							
		3. Well Number: 001H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:B Section:27 Township:23S Range:27E Feet from:252 N/S Line:N Feet from:1900 E/W Line:E							
		5. Bottom Hole Location: Unit:B Lot:B Section:27 Township:23S Range:27E Feet from:252 N/S Line:N Feet from:1900 E/W Line:E							
		6. Latitude: longitude: 32.2825628806024 - 104.175766019009							
		7. County: Eddy							
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: 12/20/2012 Frac Performed by: Frac Tech Services "FTS"		12. Production Type: O							
13. Pool Code(s): 24660		14. Gross Fractured Interval: 7,750 ft to 11,798 ft							
15. True Vertical Depth (TVD): 7,400 ft		16. Total Volume of Fluid Pumped: 43,625 bbls							
17. 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	Operator	Carrier	Water	7732-18-5	100%	84.78499%			
HCL, 10.1-15%	FTSI	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.36445%			
			Water	7732-18-5	85%	2.0652%			
CL-150	FTSI	Corrosion Inhibitor	Dimethylfomamide	68-12-2	10%	0.00066%			
			Isopropanol	67-63-0	30%	0.00198%			
			Organic Amine Resin Salt	Proprietary	30%	0.00198%			
			Quaternary Ammonium Compound	Proprietary	10%	0.00066%			
			Aromatic aldehyde	Proprietary	10%	0.00066%			
			Ethylene Glycol	107-21-1	30%	0.00198%			
			Diethylene Glycol	111-46-6	1%	7E-05%			
			water	7732-18-5	5%	0.00033%			
			Fatty Acid	Proprietary	0.1%	1E-05%			
			Fatty Acid Salt	Proprietary	0.1%	1E-05%			
			Aliphatic Alcohol	Proprietary	0.1%	1E-05%			
			Alkylene Oxide Block Polymer	Proprietary	10%	0.00066%			
			NE-100	FTSI	Non Emulsifier	2-Butoxyethanol	111-76-2	10%	0.00835%
						2 Propanol	67-63-0	10%	0.00835%
Dodecylbenzenesulfonic Acid	27176-87-0	5%				0.00418%			
Sulfuric Acid	7664-93-9	0.014%				1E-05%			
Water	7732-18-5	90%				0.07519%			
FE-100L	FTSI	Iron Control	Sulfur Dioxide	7446-09-5	0.0014%	0%			
			Citric Acid	77-92-9	55%	0.00435%			
BXL-2	FTSI	Crosslinker	Water	7732-18-5	60%	0.00474%			
			Sodium Metaborate	10555-76-7	25%	0.04256%			
			Boric Acid	10043-35-3	15%	0.02554%			
			Potassium Hydroxide	1310-58-3	12%	0.02043%			
			Water	7732-18-5	75%	0.12768%			
			Surfactant	68439-51	2%	0.0034%			
			Ethylene Glycol Monobutyl ether	111-76-2	0.25%	0.00043%			
HVG-1	FTSI	Guar Slurry	Guar Gum	9000-30-0	50%	0.19749%			
			Petroleum Distillate	64742-47-8	55%	0.21724%			
			Clay	14808-60-7	2%	0.0079%			
APB-01	FTSI	Breaker	Ammonium Persulfate	7727-54-0	95%	0.08267%			
ICI-150	FTSI	Biocide	Gluteral	111-30-8	50%	0.01226%			
			Water	7732-18-5	50%	0.01226%			
			Methanol	67-56-1	0.5%	0.00012%			
FRW-35E	FTSI	Friction Reducer	Cationic Water Soluble Polymer in Emulsion	N/A	0%	0%			
CS-250-SI	FTSI	Scale Inhibitor	Ethylene Glycol	107-21-1	10%	0.00918%			
LTB-1	FTSI	Breaker	Ammonium Persulfate	7727-54-0	100%	0.14076%			
			Cured Acrylic Resin	Proprietary	100%	0.14076%			
			Silica, Crystalline-Quartz	14808-60-7	10%	0.01408%			
100 Mesh	FTSI	Proppant	Crystalline Silica Quartz	14808-60-6	100%	0.08891%			
20/40 White	FTSI	Proppant	Crystalline Silica Quartz	14808-60-7	100%	3.09928%			
20/40 PPC	FTSI	Proppant	Resin Coated Crystalline Silica Quartz	14808-60-8	100%	8.58749%			
StimOil IOR	Caza Petroleum	Micro Emulsion Surfactant	Proprietary	Trade Secret	30%	0.16828%			
			Isopropal Alcohol	67-63-0	30%	0.16828%			
			Citrus Terpenes	94266-47-4	30%	0.16828%			
			water	7732-18-5	30%	0.16828%			
18. 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: Richard Wright		Title: _____					
Date: 1/4/2013									
E-mail Address: rwright@cazapetro.com									

NMOCD does not require the reporting of information 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 information.