

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: 30-025-41096				
		2. Well Name: GATEWAY 2 STATE #002				
		3. Well Number: 002				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:D Lot:4 Section:2 Township:19S Range:35E Feet from:525 N/S Line:N Feet from:660 E/W Line:W				
		5. Bottom Hole Location: Unit:D Lot:4 Section:2 Township:19S Range:35E Feet from:525 N/S Line:N Feet from:660 E/W Line:W				
		6. Latitude: Longitude: 32.6952720715058 - 103.434437348919				
		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: 9/24/2013 Frac Performed by: Nabors Completion and Production Services		12. Production Type: O				
13. Pool Code(s): 96794		14. Gross Fractured Interval: 9,602 ft to 13,364 ft				
15. True Vertical Depth (TVD): 9,695 ft		16. Total Volume of Fluid Pumped: 2,790,228 gals				
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	Caza Operating, LLC	Water	Water	7732-18-5	100%	31.968263%
HCL Acid	Nabors Completion & Prod Services	Bulk Acid	Hydrogen Chloride	7647-01-0	18%	0.094629%
Acid Inhibitor 3M	Nabors Completion and Prod Services	Acid Corrosion Inhibitors	Water	7732-18-5	87.5%	0.46%
			1-Decanol	112-30-1	5%	0.00011%
			1-OCTANOL	111-87-5	2.5%	5.5E-05%
			2-Butoxyethanol	111-76-2	7%	0.000154%
			Cinnamaldehyde	105-55-2	6%	0.000132%
			Ethoxylated Nonyphenol	68412-54-4	5%	0.00011%
			Ethylene Glycol	107-21-1	40%	0.000883%
			Isopropyl Alcohol	67-63-0	2.5%	5.5E-05%
			N,N-Dimethylformamide	68-12-2	20%	0.000441%
			Polyethylene-Glycol	25322-68-3	1%	2.2E-05%
			Tar bases,quinoline,derivs,benzyl chloride-quaternized	72480-70-7	13%	0.000287%
			Triethyl Phosphate	78-40-0	2.5%	5.5E-05%
			KR-153SL	Nabors Completion and Production Ser	Biocides	Water
XL-11	Nabors Completion & Production Ser	Cross-Linkers	2,2-dibromo-3-nitriopropionamide	10222-01-2	20%	0.001827%
			Polyethylene-Glycol	25322-68-3	50%	0.004566%
			Water	7732-18-5	80%	0.007306%
OB-2	Nabors Completion & Production Ser	Gel Breakers	Ethylene Glycol	107-21-1	10%	0.003946%
			Potassium Hydroxide	1310-58-3	5%	0.001973%
			Potassium Metaborate	13709-94-9	30%	0.011837%
LSG-100	Nabors Completion & Production Ser	Gelling Agents	water	7732-18-5	75%	0.029593%
			Ammonium Persulfate	7727-54-0	100%	0.003708%
			Sillica, Crystalline quartz	7631-86-9	10%	0.000371%
IC-500	Nabors Completion & Production Ser	Iron Control Additives	vinylidene chloride-methyl acrylate copolymer	25038-72-6	25%	0.000927%
			Crystalline Silica (in the form of Quartz)	14808-60-7	2%	0.003176%
			guar gum	9000-30-0	50%	0.07939%
Supper TSC-LTS	Nabors Completion & Production Ser	Paraffin & Scale Additives	Organophylic Clay	68953-58-2	2%	0.003176%
			Petroleum Distillates	64742-47-8	60%	0.095268%
			Surfactant	68439-51-0	2%	0.003176%
Super OW-3	Nabors Completion & Production Ser	Surfactants & Foamers	2-Mercaptoethanol or Thioglycol	60-24-2	75%	0.001276%
			Aqua Ammonia	1336-21-6	5%	8.5E-05%
			Cupric Chloride	10125-13-0	7%	0.000119%
Super-Flo RPM	Nabors Completion & Production Ser	Surfactants & Foamers	Potassium Iodide	7681-11-0	1%	1.7E-05%
			water	7732-18-5	7%	0.000119%
			Proprietary	Proprietary	15%	0.000982%
TX Specific 40/70 mesh sand	Nabors Completion & Production Ser	Sand-Bulk-Texas	Proprietary	Proprietary	15%	0.000982%
			water	7732-18-5	60%	0.00393%
			ethylcocoamine,bis (chloroethyl) ether, diguaternary ammonium chloride	68607-28-3	60%	0.000282%
Saint Gobain VersaLite 18/40	Nabors Completion & Production Ser	pants-Manufactured-Saint-Gobain	Dimethyldiallylammonium chloride	7398-69-8	5%	2.3E-05%
			Isopropyl Alcohol	67-63-0	60%	0.000282%
			Methanol	67-56-1	30%	0.000141%
Santrol OptiProp 20/40	Nabors Completion & Production Ser	Proppants Manufactured-Santrol	water	7732-18-5	60%	0.00282%
			D-Limonene	5989-27-5	20%	0.006018%
			Isopropanol	67-63-0	20%	0.006018%
			N-Methyl Pyrrolidone	872-50-4	30%	0.009027%
			Proprietary	Proprietary	20%	0.006018%
			Proprietary	Proprietary	40%	0.012036%
			Proprietary	Proprietary	25%	0.007522%
			Proprietary	Proprietary	10%	0.003009%
			water	7732-18-5	40%	0.012036%
			Aluminum Oxide	1344-28-1	1.1%	0.001777%
			Crystalline Silica, Quartz	14808-60-7	99.9%	0.161339%
			Iron Oxide	1309-37-1	0.1%	0.000162%
			Titanium Oxide	13463-67-7	0.1%	0.000162%
			Corundum	1302-74-5	35%	23.136016%
			Mullite	1302-93-8	85%	56.187468%
			Aluminum Oxide	1344-28-1	1%	0.009895%
			Crystalline Silica (Quartz)	14808-60-7	89%	0.880677%
			Iron Oxide	1309-37-1	0.1%	0.00099%
			Phenolic resin	9003-35-4	20%	0.197905%
			Titanium Oxide	13463-67-7	0.1%	0.00099%
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: 9/25/2013 _____						
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.