

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. 30-025-40936							
		2. Well Name: CAZA RIDGE 14 STATE #004H							
		3. Well Number: 004H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:P Lot:P Section:14 Township:23S Range:34E Feet from:330 N/S Line:S Feet from:660 E/W Line:E 5. Bottom Hole Location: Unit:P Lot:P Section:14 Township:23S Range:34E Feet from:330 N/S Line:S Feet from:660 E/W Line:E 6. latitude: longitude: 32.2982967009133 - 103.43440942531 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: 7/31/2013 Frac Performed by: Nabors Completion & Production Service		12. Production Type: O							
13. Pool Code(s): 2209		14. Gross Fractured Interval: 11,733 ft to 15,606 ft							
15. True Vertical Depth (TVD): 11,394 ft		16. Total Volume of Fluid Pumped: 2,526,720 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	Water	Water	7732-18-5	100%	33.3654786%			
HCL Acid 12.5% - 18.0%	Nabors Company	Bulk Acid	Hydrogen Chloride	7647-01-0	18%	0.100461%			
Acid Inhibitor	Nabors Company	Acid Corrosion Inhibitors	water	7732-18-5	87.5%	0.488353%			
			1-DECANOL	112-30-1	5%	0.000114%			
			1-OCTANOL	111-87-5	2.5%	5.7E-05%			
			2-Butoxyethanol	111-76-2	7%	0.000159%			
			Cinnamaldehyde	104-55-2	6%	0.000136%			
			Ethoxylated Nonyphenol	68412-54-4	5%	0.000114%			
			Ethylene Glycol	107-21-1	40%	0.00091%			
			Isopropyl Alcohol	67-63-0	2.5%	5.7E-05%			
			N,N-Dimethylformamide	68-12-2	20%	0.000455%			
			polyethylene-Glycol	25322-68-3	1%	2.3E-05%			
			Tar Bases,quinoline derivs,benzyl Chloride	72480-70-7	13%	0.000296%			
			Triethyl Phosphate	78-40-0	2.5%	5.7E-05%			
			water	7732-18-5	25%	0.000569%			
			KR-153SL	Nabors Company	Biocides	2,2-dibromo-3-nitrilopropionamide	10222-01-2	20%	0.001568%
						Polyethylene-Glycol	25322-68-3	50%	0.00392%
			water	7732-18-5	25%	0.000569%			
XL-11	Nabors Company	Cross Linker	Ethylene Glycol	107-21-1	10%	0.00335%			
			Potassium Hydroxide	13210-58-3	5%	0.001675%			
			Potassium Metaborate	13709-94-9	30%	0.010049%			
			water	7732-18-5	75%	0.025121%			
OB Breaker	Nabors Company	Gel Breaker	Ammonium Persulfate	7727-54-0	100%	0.000169%			
OB-2	Nabors Company	Gel Breaker	Ammonium Persulfate	7727-54-0	100%	0.003775%			
			Silica,Crystalline quartz	7631-86-9	10%	0.000377%			
			vinylidene chloride-methyl acrylate	25038-72-6	20%	0.000755%			
LSG-100	Nabors Company	Gelling Agents	Crystalline Silica	14808-60-7	2%	0.003439%			
			guar gum	900-30-0	50%	0.085964%			
			Organophylic Clay	68953-58-2	2%	0.003439%			
			Petroleum Distillates	64742-47-8	60%	0.103157%			
			Surfactant	68439-51-0	2%	0.003439%			
IC-500	Nabors Company	Iron Control Additives	2-Mercaptoethanol or Thioglycol	60-24-2	75%	0.001321%			
			Aqua Ammonia	1336-21-6	5%	8.8E-05%			
			Cupric Chloride	10125-13-0	7%	0.000123%			
			Potassium Iodide	7681-11-0	1%	1.8E-05%			
			water 7732-18-5	60	0.004318%	0%			
Super TSC-LTS	Nabors Company	Paraffin & Scale Additive	Proprietary	Proprietary	15%	0.001079%			
			Proprietary	Proprietary	15%	0.001079%			
			Proprietary	Proprietary	15%	0.001709%			
			water	7732-18-5	60%	0.004318%			
Super OW 3	Nabors Company	Surfactant & Foamer	Dimethylcocoamine,bis (chlorethyl)	68607-28-3	60%	0.000294%			
			Dimethyldiallylammonium chloride	7398-69-8	5%	2.4E-05%			
			Isopropyl Alchhol	67-63-0	60%	0.000294%			
			Methanol	67-56-1	30%	0.000147%			
			water	7732-18-5	60%	0.000294%			
Super-Flo RPM	Nabors Company	Surfactant & Foamer	D-Limonene	5989-27-5	20%	0.006244%			
			Isopropanol	67-63-0	20%	0.006244%			
			N-Methyl Pyrrolidone	872-50-4	30%	0.009366%			
			Proprietary	Proprietary	20%	0.006244%			
			Proprietary	Proprietary	40%	0.012488%			
			Proprietary	Proprietary	25%	0.007805%			
			Proprietary	Proprietary	10%	0.003122%			
			water	7732-18-5	40%	0.012488%			
TX Specific 40/70	Nabors Company	Proppants	Aluminum Oxide	1344-28-1	1.1%	0.001285%			
			Crystalline Silica, Quartz	14808-60-7	99.9%	0.116723%			
			Iron Oxide	1309-37-1	0.1%	0.000117%			
			Titanium Oxide	13463-67-7	0.1%	0.000117%			
Carbo Ceramics Econo Prop 20/40	Nabors Company	Proppant	Mulite	1302-93-8	85%	55.039119%			
			Silica Crystalline-Cristoballite	14464-46-1	20%	12.950381%			
			Silicon Dioxide, (Amorphous as glass)	7631-86-9	35%	22.663167%			
Santrol OptiProp 20/40	Nabors Company	Proppant	Aluminum Oxide	1344-28-1	1%	0.009475%			
			Crystalline Silica (quartz)	14808-60-7	89%	0.843283%			
			Iron Oxide	1309-37-1	0.1%	0.000948%			
			Phenolic resin	9003-35-4	20%	0.189502%			
			Titanium Oxide	13463-67-07	0.1%	0.000948%			
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: 8/5/2013									
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.									