

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: 30-025-41313				
		2. Well Name: WEST COPPERLINE 29 STATE COM #001H				
		3. Well Number: 001H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒Original ☐Amendment		4. Surface Hole Location: Unit:C Lot:C Section:29 Township:23S Range:34E Feet from:330 N/S Line:N Feet from:1980 E/W Line:W				
		5. Bottom Hole Location: Unit:N Lot: Section:29 Township:23S Range:34E Feet from:340 N/S Line:S Feet from:2000 E/W Line:W				
		6. Latitude: Longitude: 32.2819815087266 - 103.494149205346				
		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: 11/1/2013 Frac Performed by: Nabors Completion & Production Services Co		12. Production Type: O				
13. Pool Code(s): 5130		14. Gross Fractured Interval: 10,830 ft to 14,886 ft				
15. True Vertical Depth (TVD): 10,603 ft		16. Total Volume of Fluid Pumped: 2,996,448 gals				
17. Total Volume of Re-Use Water Pumped: 0 gals		18. Percent of Re-Use Water in Fluid Pumped: %				
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	Caza Operating, LLC	Water	Water	7732-18-5	100%	30.927854%
HCL Acid (12.5%-18.0%)	Nabors Completion & Production Ser	Bulk Acid	Hydrogen Chloride	7647-01-0	18%	0.047107%
			Water	7732-18-5	87.5%	0.22893%
Acid Inhibitor 34(AL-3M)	Nabors Completion & Production Ser	Acid Corrosion Inhibitors	1-DECANOL	112-30-1	5%	5.3E-05%
			1-OCTANOL	111-87-5	2.5%	2.7E-05%
			2-Butoxyethanol	111-76-2	7%	7.4E-05%
			Cinnamaldehyde	104-55-2	6%	6.4E-05%
			Ethoxylated Nonyphenol	68412-54-4	5%	5.3E-05%
			Ethylene Glycol	107-21-1	40%	0.000426%
			Isopropyl Alcohol	67-63-0	2.5%	2.7E-05%
			N,N-Dimethylformamide	68-12-2	20%	0.000213%
			Polyethylene-Glycol	25322-68-3	1%	1.1E-05%
			Tar bases, quinoline derivs.benzyl chloride	72480-70-7	13%	0.000138%
			Triethyl Phosphate	78-40-0	2.5%	2.7E-05%
			Water	7732-18-5	25%	0.000266%
Kr-153SL	Nabors Completion & Production Ser.	Biocides	2,2-dibromo-3-nitriopropionamide	10222-01-2	20%	0.001468%
			Polyethylene-Glycol	25322-68-3	50%	0.003669%
			Water	7732-18-5	80%	0.005871%
XL-11	Nabors Completion & Production Ser.	Cross-Linker	Ethylene Glycol	107-21-1	10%	0.004674%
			Potassium Hydroxide	1310-58-3	5%	0.002337%
			Potassium Metaborate	13709-94-9	30%	0.014021%
			Water	7732-18-5	75%	0.035052%
OB-2	Nabors Completion & Production Ser.	Gel Breakers	Ammonium Persulfate	7727-54-0	100%	0.003988%
			Silica.crystalline quartz	14808-60-7	2%	0.003353%
			vinylidene chloride-methyl acrylate copolymer	25038-72-6	25%	0.000997%
LSG-100	Nabors Completion & Production Ser.	Gelling Agent	Crystalline Silica (in the form of quartz)	14808-60-7	2%	0.003353%
			guar gum	9000-30-0	50%	0.083826%
			Organophylic Clay	68953-58-2	2%	0.003353%
			Petroleum Distillates	64742-47-8	60%	0.100591%
			Surfactant	68439-51-0	2%	0.003353%
IC-500	Nabors Completion & Production Ser.	Iron Control Additives	2-Mercaptoethanol or Thioglycol	60-24-2	75%	0.000615%
			Aqua Ammonia	1336-21-6	5%	4.1E-05%
			Cupric Chloride	10125-13-0	7%	5.7E-05%
			Potassium Iodide	7681-11-0	1%	8E-06%
			Water	7732-18-5	7%	5.7E-05%
Super Green Solvent	Nabors Completion & Production Ser.	Paraffin & Scale Additives	BTEX Free Aliphatic Hydrocarbon	64742-96-7	100%	0.002574%
Super TSC-LTS	Nabors Completion & Production Ser.	Paraffin & Scale Additives	Proprietary	Proprietary	15%	0.000961%
			Proprietary	Proprietary	15%	0.000961%
			Proprietary	Proprietary	15%	0.000961%
			water	7732-18-5	60%	0.003845%
Super OW 3	Nabors Completion & Production Ser.	Surfactants & Foamers	Dimethylcocoamine,bis (chloroethyl)ether, diquaternary ammonium salt	68607-28-3	60%	0.000136%
			Dimethyldiallylammmonium chloride	7398-69-8	5%	1.1E-05%
			Isopropyl Alcohol	67-63-0	60%	0.000136%
			Methanol	67-56-1	30%	6.8E-05%
			Water	7732-18-5	60%	0.000136%
Super-Flo RPM	Nabors Completion & Production Ser.	Surfactant & Foamers	D-Limonene	5989-27-5	20%	0.006437%
			Isopropanol	67-63-0	20%	0.006437%
			N-Methyl Pyrrolidone	872-50-4	30%	0.009655%
			Proprietary	Proprietary	20%	0.006437%
			Proprietary	Proprietary	40%	0.012873%
			Proprietary	Proprietary	25%	0.008046%
			Proprietary	Proprietary	10%	0.003218%
			water	7732-18-5	40%	0.012873%
Tx Specific 40/70 Mesh Sand	Nabors Completion & Production Ser	Sand -Bulk-Texas	Aluminum Oxide	1344-28-1	1.1%	0.004055%
			Crystalline Silica,quartz	14808-60-7	99.9%	0.368239%
			Iron Oxide	1309-37-1	0.1%	0.000369%
			Titanium Oxide	13463-67-7	0.1%	0.00369%
Sintex Siterlite Bauxite 20/40	Nabors Completion & Production Ser.	Proppants- Manufactured Sintex	Alfa-Alumina	1344-28-1	60%	40.15837%
			Hematite	1317-60-8	10%	6.693062%
			Magnetite	1309-38-2	1%	0.669306%
			Mullite	1302-93-8	15%	10.039593%
Carbo Ceramics Carbolite 20/40	Nabors Completion & Production Ser	Proppants Manufactured- Carbo Ceramics	Mullite	1302-93-8	85%	1.055891%
			Silica Crystalline- Cristobalite	14464-46-1	20%	0.248445%
			Silicon Dioxide	7631-86-9	35%	0.434779%
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: Richard Wright Title: _____						
Date: 11/13/2013						
E-mail Address: rwright@cazapetro.com						

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