

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. 30-015-33586				
		2. Well Name: SARAGOSSA 10 STATE #002				
		3. Well Number: 002				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:B Section:10 Township:23S Range:26E Feet from:330 N/S Line:N Feet from:2310 E/W Line:E				
		5. Bottom Hole Location: Unit:B Lot:B Section:10 Township:23S Range:26E Feet from:330 N/S Line:N Feet from:2310 E/W Line:E				
		6. latitude: 32.3255577 longitude: -104.2799301				
		7. County: Eddy				
8. Operator Name and Address: READ & STEVENS INC P. O. Box 1518 Roswell 88202		9. OGRID: 18917	10. Phone Number: 575-622-3770			
11. Last Fracture Date: 8/7/2017 Frac Performed by: Cudd Energy Services		12. Production Type: O				
13. Pool Code(s): 29665		14. Gross Fractured Interval: 2,538 ft to 2,554 ft				
15. True Vertical Depth (TVD): 3,200 ft		16. Total Volume of Fluid Pumped: 21,378 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		Carrier / Base Fluid		7732-18-5	100%	83.9625%
Coolset	Sandtrol	Proppant	Silicon Dioxide	14808-60-7	97%	14.08626%
			P/F Novolak Resin	9003-35-4	5%	0.7261%
			Hexamethylenetetramine	1009-7-0	1%	0.14522%
B-15	Brenntag	Biocide	Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8	20%	0.00342%
CS-15	Ace Completions	Clay Control	Water	7732-18-5	80%	0.0137%
			Choline Chloride	67-48-1	100%	0.12016%
SG-15G	Multiple Suppliers	Polymer	Magnesium Chloride	7791-18-6	100%	0.12016%
			Water	7732-18-5	100%	0.12016%
			Guar Gum	9000-30-0	50%	0.25293%
			Petroleum Distillate(Mineral Oil)	64742-47-8	55%	0.27823%
			Bentonite Clay	14808-60-7	2%	0.01012%
XL-335	PfP Technology	Crosslinker	Surfactant	68439-51-0	2%	0.01012%
			Sodium Metaborate	7775-19-1	40%	0.07313%
			Glycerol	56-81-5	45%	0.08227%
BC-1	Rockwater	Breaker Catalyst	Triethanolamine	102-71-6	100%	0.26499%
			Diethanolamine	111-42-2	30%	0.0795%
GB-2	Multiple Suppliers	Breaker	Ammonium Persulfate	7727-54-0	99.9%	0.0198%
Superset W	Santrol	Resin Activator	Methanol	67-56-1	50%	0.04825%
			Poly(oxyethylene)nonyphenol ether	9016-45-9	54%	0.05211%
GB-150	Chemplex	Breaker	Mannanase Enzymes	Trade Secret	2%	0.00302%
			Sodium Chloride	7647-14-5	15%	0.02268%
			Water	7732-18-5	90%	0.13609%
MCS-376	Ace Completions	Surfactant	Diethanolamine	111-42-2	1%	0.00157%
			Solvent Naptha(Petroleum), Heavy	64742-94-5	1%	0.00157%
			Alcohol	68609-68-7	5%	0.00786%
			Isotridecanol, ethoxylated	9043-30-5	5%	0.00786%
			Poly(oxy-1,2-ethanediyl), alpha hexyl-omega-hydroxy-	31726-34-8	5%	0.00786%
			Coconut diethanolamide	68603-42-9	8%	0.01257%
			Proprietary	NA	15%	0.02357%
			Ethylene Oxide/propylene oxide co-polymer	9003-11-6	10%	0.01571%
			Water	7732-18-5	75%	0.11783%
			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: Kelly Barajas Title: Production Analyst						
Date: 8/15/2017						
E-mail Address: KBarajas@read-stevens.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.