

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. 30-025-43273				
		2. Well Name: RAGNAR FEDERAL COM #026H				
		3. Well Number: 026H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:B Section:22 Township:17S Range:32E Feet from:120 N/S Line:N Feet from:1730 E/W Line:E				
		5. Bottom Hole Location: Unit:B Lot:B Section:22 Township:17S Range:32E Feet from:120 N/S Line:N Feet from:1730 E/W Line:E				
		6. latitude: longitude: 32.82701562 -103.7513118				
		7. County: Lea				
8. Operator Name and Address: COG OPERATING LLC One Concho Center 600 W. Illinois Ave Midland 79701		9. OGRID: 229137	10. Phone Number: 432-685-4332			
11. Last Fracture Date: 3/30/2017 Frac Performed by: PumpCo services		12. Production Type: O				
13. Pool Code(s): 44500		14. Gross Fractured Interval: 6,038 ft to 10,619 ft				
15. True Vertical Depth (TVD): 6,400 ft		16. Total Volume of Fluid Pumped: 5,243,238 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	Operator	Carrier/Base Fluid	Water	7732-18-5	100%	89.20228%
Sand	TSS	Proppant	Silica Substrate	14808-60-7	100%	8.84667%
15% HCL	Reagent	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.26358%
Chemplex 4-N-1	Chemplex	Combination/Iron Control	2-Ethylhexanol	104-76-7	10%	0.00199%
			Acetic Acid	64-19-7	85%	0.01695%
			Alcohol Ethoxylate Surfactants	Proprietary	2%	0.0004%
			Cocamide Diethanolamine Salt	68603-42-9	2%	0.0004%
			Diethanolamine	111-42-2	2%	0.0004%
			Methyl Alcohol	67-56-1	10%	0.00199%
			n-olefins	Proprietary	1%	0.0002%
			Propargyl Alcohol	107-19-7	1%	0.0002%
			thiourea-formaldehyde copolymer	68527-49-1	2%	0.0004%
			Plexgel Breaker XPA	Chemplex	Breaker	Hydrogen Peroxide
Plexslick 957	Chemplex	Friction Reducer	Ammonium Chloride	12125-02-9	5%	0.00444%
			Nonionic Surfactants	Proprietary	1.5%	0.00133%
			Paraffinic, Naphtehenic Solvent	64742-47-8	30%	0.02664%
			Poly (acrylamide-co-acrylic acid), partial sodium salt	62649-23-4	35%	0.03108%
Plexsurf 240E	Chemplex	Non Ionic Surfactant	Methyl Alcohol	67-56-1	20%	0.00848%
			Alcohol Alkoxylate	Proprietary	20%	0.00848%
					0%	0%
					0%	0%
					0%	0%
					0%	0%
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: Kanicia Carrillo		Title: Regulatory Analsyt		
Date: 5/23/2017						
E-mail Address: kcarrillo@conchoresources.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.