

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: 30-015-43133				
		2. Well Name: ROAD RUNNER FEDERAL COM #001H				
		3. Well Number: 001H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:P Lot:P Section:25 Township:25S Range:26E Feet from:190 N/S Line:S Feet from:380 E/W Line:E				
		5. Bottom Hole Location: Unit:A Lot:A Section:24 Township:25S Range:26E Feet from:70 N/S Line:N Feet from:347 E/W Line:E				
		6. latitude: 32.09404582 longitude: -104.2391961				
		7. County: Eddy				
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: 4/26/2017 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 97920		14. Gross Fractured Interval: 7,569 ft to 17,210 ft				
15. True Vertical Depth (TVD): 7,395 ft		16. Total Volume of Fluid Pumped: 11,777,808 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	Operator	Carrier/Base Fluid	Water	7732-18-5	100%	86.47892%
Sand	TSS	Proppant	Silica Substrate	14808-60-7	100%	12.61515%
15% HCL	Reagent	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.05672%
Chemplex 4-N-1	Chemplex	Combination/Iron Control	2-Ethylhexanol	104-76-7	10%	0.00043%
			Acetic Acid	64-19-7	85%	0.00365%
			Alcohol Ethoxylate Surfactants	Proprietary	2%	9E-05%
			Cocamide Diethanolamine Salt	68603-42-9	2%	9E-05%
			Diethanolamine	111-42-2	2%	9E-05%
			Methyl Alcohol	67-56-1	10%	0.00043%
			n-olefins	Proprietary	1%	4E-05%
			Propargyl Alcohol	107-19-7	1%	4E-05%
			thiourea-formaldehyde copolymer	68527-49-1	2%	9E-05%
Clayplex 650	Chemplex	Clay Control	Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, chloride	67-48-1	0.35%	0.03554%
Plexgel 907L-EB	Chemplex	Viscosifier	Guar gum	9000-30-0	0.55%	0.15022%
			Distillates (petroleum), hydrotreated light	64742-47-8	0.55%	0.15022%
Plexgel Breaker 10L	Chemplex	Enzyme Breaker	Mannanase Enzymes	Proprietary	0.02%	0.00029%
			Sodium Chloride	7647-14-5	0.15%	0.00219%
Plexgel Breaker XPA	Chemplex	Breaker	Hydrogen Peroxide	7722-84-1	0.07%	0.0011%
Plexslick 957	Chemplex	Friction Reducer	Ammonium Chloride	12125-02-9	0.05%	0.00163%
			Nonionic Surfactants	Proprietary	0.02%	0.00049%
			Paraffinic, Naphteheenic Solvent	64742-47-8	0.3%	0.0098%
			Poly (acrylamide-co-acrylic acid), partial sodium salt	62649-23-4	0.35%	0.01143%
Plexsurf 240E	Chemplex	Non Ionic Surfactant	Methyl Alcohol	67-56-1	0.2%	0.00845%
			Alcohol Alkoxylate	Proprietary	0.2%	0.00845%
Sodium Persulfate	Chemplex	Breaker	Disodium peroxodisulphate	7775-27-1	0.98%	0.00027%
Plexbor 101	Chemplex	Crosslinker	Ethylene Glycol	107-21-1	0.15%	0.0065%
			Potassium Hydroxide	1310-58-3	0.05%	0.00217%
			Potassium Metaborate	13709-94-9	0.35%	0.01517%
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: Stormi Davis Title: Regulatory Analyst						
Date: 7/12/2017						
E-mail Address: sdavis@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.