

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: 30-015-43131				
		2. Well Name: GLACIER FEDERAL COM #001H				
		3. Well Number: 001H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:A Lot:A Section:24 Township:26S Range:25E Feet from:330 N/S Line:N Feet from:560 E/W Line:E				
		5. Bottom Hole Location: Unit:A Lot:A Section:12 Township:26S Range:25E Feet from:669 N/S Line:N Feet from:710 E/W Line:E				
		6. latitude: 32.0343338421524 longitude: -104.342516905789				
		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: 3/17/2016 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 98159		14. Gross Fractured Interval: 8,626 ft to 13,520 ft				
15. True Vertical Depth (TVD): 8,355 ft		16. Total Volume of Fluid Pumped: 10,792,857 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)
Fresh Water	Operator	Base Fluid	Fresh Water	7732-18-5	100%	91.70244%
HCl > 10%	Halliburton	Base Fluid	NA	NA	0%	0%
Cla-Web(TM), FR-66, HALOS ACID INHIBITOR, LOSURF-	Halliburton	Additive, Concentrate, Corrosion Inhibitor, Friction Reducer, Proppant, Scale Preventer, Surfactant	NA	NA	0%	0%
Parasorb 5000, Scaletrol	Baker Hughes	Scale Inhibitor	NA	NA	0%	0%
			Alcohols ethoxylated	Confidential	5%	0.00191%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.00021%
			Alkane	Confidential	1%	0.00046%
			Amide	Confidential	5%	0.00191%
			Amine salts	Confidential	0.1%	0.0001%
			Ammonium chloride	12125-02-9	5%	0.00191%
			Ammonium salt	Confidential	60%	0.02975%
			Calcium Chloride	10043-52-4	5%	0.00135%
			Complex alkylamine	Confidential	5%	0.00228%
			Crystalline silica, quartz	14808-60-7	100%	7.62108%
			Crystalline Silica, Quartz	14808-60-7	1%	0.00066%
			Diatomaceous earth, calcined	91053-39-3	60%	0.03933%
			Ethylene glycol	107-21-1	30%	0.0081%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	0%
			Fatty acids, tall oil	Confidential	30%	0.00021%
			Glassy calcium magnesium phosphate	65997-17-3	100%	0.01615%
			Glycerine	56-81-5	10%	0.00456%
			Hydrogen peroxide	7722-84-1	0.01%	0%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.01143%
			Methanol	67-56-1	60%	0.00043%
			Mineral Oil	8042-47-5	30%	0.01967%
			NFIDB:HCl > 10%	NFIDB:HCl > 10%	100%	0.42959%
			Nitrotriactic acid, trisodium salt monohydrate	5064-31-3	0.01%	0%
			Olefins	Confidential	5%	9E-05%
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl- omega.-hydroxy-	61827-42-7	30%	0.01369%
			Polyacrylamide copolymer	Confidential	30%	0.01143%
			Propargyl alcohol	107-19-7	10%	7E-05%
			Quaternary amine	Confidential	5%	0.00302%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00021%
			Sodium bicarbonate	144-55-8	0.01%	0%
			Sodium chloride	7647-14-5	5%	0.00438%
			Sodium glycollate	2836-32-0	0.01%	0%
			Sodium hydroxide	1310-73-2	0.01%	0%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.00416%
			Sorbitan monooleate	9005-65-6	1%	0.00038%
			polyoxyethylene derivative			
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1%	0.00038%
			Water	7732-18-5	100%	0.10307%
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: 4/7/2016						
E-mail Address: sdavis@conchoresources.com						

NMOCOD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCOD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.