

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 February 15, 2012							
		1. WELL API NO: 30-025-40529							
		2. Well Name: VACA 24 FEDERAL COM #004H							
		3. Well Number: 004H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:N Lot:N Section:24 Township:25S Range:33E Feet from:50 N/S Line:S Feet from:2190 E/W Line:W							
		5. Bottom Hole Location: Unit:N Lot:N Section:24 Township:25S Range:33E Feet from:50 N/S Line:S Feet from:2190 E/W Line:W							
		6. Latitude: 32.1088742865964 Longitude: - 103.52745371495							
		7. County: Lea							
8. Operator Name and Address: EOG RESOURCES INC P.O. Box 2267 Midland 79702		9. OGRID: 7377		10. Phone Number: 432-686-3689					
11. Last Fracture Date: 2/17/2013 Frac Performed by: Chemplex		12. Production Type: O							
13. Pool Code(s): 97900		14. Gross Fractured Interval: 8,662 ft to 9,425 ft							
15. True Vertical Depth (TVD): 9,424 ft		16. Total Volume of Fluid Pumped: 203,277 bbls							
17. 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	EOG	Carrier/Base Fluid	Water	7732-18-5	100%	86.38408%			
Sand	EOG	Proppant	Crystalline Silica	14808-60-7	100%	12.33899%			
Hydrochloric Acid	Pumpco	Acid	Hydrochloric Acid	7647-01-0	7.5%	0.08782%			
			Water	7732-18-5	100%	1.17087%			
Plexgel Breaker XPA	Chemplex	Breaker for slickwater fracs	Hydrogen Peroxide	7722-84-1	8%	0.00277%			
			Water	7732-18-5	93%	0.03223%			
Plexflow RTS	Chemplex	Oil field Surfactant	Isopropyl Alcohol	67-63-0	80%	0.03459%			
			Polymers Derived from Fatty Acids	Trade Secret	10%	0.00432%			
			Polyethylene Glycol	25322-68-3	1%	0.00043%			
			Vegetable Oil	Proprietary	1%	0.00043%			
			Dimer Fatty Acids	Proprietary	1%	0.00043%			
			Heavy Aromatic Naptha	64742-94-5	5%	0.00216%			
			Naphthalene	91-20-3	1%	0.00043%			
			Ethoxylated Nonyl Phenol-Formaldehyde Resin	30846-35-6	10%	0.00432%			
			Fluoroalkyl Alcohol Substituted Polyethylene Glycol	65545-80-4	1%	0.00043%			
			1,4-Dioxane	123-91-1	0.1%	4E-05%			
			Dipropylene Glycol Methyl Ether	34590-94-8	0.1%	4E-05%			
			Water	7732-18-5	0.1%	4E-05%			
			Plexslick 957	Chemplex	Anionic water-soluble polymer in emulsion form	Ammonium Chloride	12125-02-9	5%	0.00064%
						Nonionic Surfactants	Trade Secret	10%	0.00129%
						Paraffinic, Naphthenic Solvent	64742-47-8	30%	0.00386%
Poly (acrylamide-co-acrylic acid), partial sodium salt	62649-23-4	35%				0.0045%			
Sodium Chloride	7647-14-5	5%				0.00064%			
Plexhib 256	Chemplex	Corrosion inhibitor for hydrochloric acid	Water	7732-18-5	40%	0.00515%			
			Methyl Alcohol	67-56-1	60%	0.00103%			
			Propargyl Alcohol	107-19-7	10%	0.00017%			
			Thiourea/Formaldehyde Copolymer	68527-49-1	30%	0.00051%			
			Polyethoxylated Alcohol Surfactant	68951-67-7	30%	0.00051%			
Flowjet DRP 2100	Chemplex	Friction Reducer	C-14 to C-16 Alpha Olefins	64743-02-8	5%	9E-05%			
			Polyacrylamide Copolymer	Confidential	90%	0.00685%			
			Water	7732-18-5	8.5%	0.00065%			
Ferriplex 40	Chemplex	Iron Control Agent	Urea		1.5%	0.00011%			
			Sodium Hydroxide	1310-73-2	1%	2E-05%			
			Sodium Sulfate Anhydrous	7757-82-6	2%	4E-05%			
Plexcide 24B	Chemplex	Biocide	Trisodium Nitrotriacetate	5064-31-1	40%	0.0007%			
			Water	7732-18-5	60%	0.00106%			
			Tetrahydro-3, 5-Dimethyl-2H-1,3,5-thiadiazine-2-thioine	533-744-4	24%	0.00071%			
ScaleSorb 3	Baker Hughes	Scale Inhibitor	Sodium Hydroxide	1310-73-2	11%	0.00033%			
			Diatomaceous Earth, Calcined	91053-39-3	100%	0.00081%			
			Amino Alkyl Phosphonic Acid	Trade Secret	30%	0.00024%			
FFI 4100	Spectrum Tracer Services	Diagnostic	Phosphonic Acid	13598-36-2	1%	1E-05%			
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	1E-05%			
			Proprietary Salt	Trade Secret	6%	1E-05%			
FFI 4200	Spectrum Tracer Services	Diagnostic	Water	7732-18-5	94%	0.00013%			
			Proprietary Salt	Trade Secret	6%	1E-05%			
FFI 4300	Spectrum Tracer Services	Diagnostic	Water	7732-18-5	94%	0.00013%			
			Proprietary Salt	Trade Secret	6%	1E-07%			
All Ingredients including the non hazardous Ingred					0%	0%			
18. 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: Jemine Leigh		Title:					
Date: 3/26/2013									
E-mail Address: jemine_leigh@eogresources.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.