

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: 30-025-40817					
		2. Well Name: VANGUARD 30 STATE COM #001H					
		3. Well Number: 001H					
HYDRAULIC FRACTURING FLUID DISCLOSURE ☐ Original ☒ Amends disclosure submitted on 2/11/2013		4. Surface Hole Location: Unit:M Lot:4 Section:30 Township:24S Range:34E Feet from:220 N/S Line:S Feet from:835 E/W Line:W					
		5. Bottom Hole Location: Unit:M Lot:4 Section:30 Township:24S Range:34E Feet from:220 N/S Line:S Feet from:835 E/W Line:W					
		6. Latitude: 32.1819030767761 Longitude: - 103.514749912649					
		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: 1/24/2013 Frac Performed by: Pumpco				12. Production Type: O			
13. Pool Code(s): 97900				14. Gross Fractured Interval: 8,615 ft to 9,297 ft			
15. True Vertical Depth (TVD): 9,296 ft				16. Total Volume of Fluid Pumped: 180,180 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%	87.07631%	
Sand	EOG	Proppant	Crystalline Silica	14808-60-7	100%	11.61146%	
Hydrochloric Acid	Pumpco	Acid	Hydrochloric Acid	7647-01-0	7.5%	0.08902%	
Plexgel Breaker XPA	Chemplex	Breaker for slickwater fracs	Water	7732-18-5	100%	1.18695%	
			Hydrogen Peroxide	7722-84-1	8%	0.00255%	
Plexflow RTS	Chemplex	Oil field Surfactant	Water	7732-18-5	93%	0.02964%	
			Isopropyl Alcohol	67-63-0	80%	0.06298%	
			Polymers Derived from Fatty Acids	Trade Secret	10%	0.00787%	
			Polyethylene Glycol	25322-68-3	1%	0.00079%	
			Vegetable Oil	Proprietary	1%	0.00079%	
			Dimer Fatty Acids	Proprietary	1%	0.00079%	
			Heavy Aromatic Naptha	64742-94-5	5%	0.00394%	
			Naphthalene	91-20-3	1%	0.00079%	
			Ethoxylated Nonyl Phenol-Formaldehyde Resin	30846-35-6	10%	0.00787%	
			Fluoroalkyl Alcohol Substituted Polyethylene Glycol	65545-80-4	1%	0.00079%	
			1,4-Dioxane	123-91-1	0.1%	8E-05%	
			Dipropylene Glycol	34590-94-8	0.1%	8E-05%	
			Methyl Ether				
Flowjet DRP 2100	Chemplex	Friction Reducer	Water	7732-18-5	0.1%	8E-05%	
Plexhib 256	Chemplex	Corrosion inhibitor for hydrochloric acid	Polyacrylamide Copolymer	Confidential	90%	0.00924%	
			Water	7732-18-5	8.5%	0.00087%	
			Urea		1.5%	0.00015%	
			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%	
Ferriplex 40	Chemplex	Iron Control Agent	Polyethoxylated Alcohol Surfactant	68951-67-7	30%	0.00051%	
			C-14 to C-16 Alpha Olefins	64743-02-8	5%	9E-05%	
			Sodium Hydroxide	1310-73-2	1%	2E-05%	
			Sodium Sulfate Anhydrous	7757-82-6	2%	3E-05%	
ScaleSorb 3	Baker Hughes	Scale Inhibitor	Trisodium Nitritotriacetate	5064-31-1	40%	0.00069%	
			Water	7732-18-5	60%	0.00104%	
			Diatomaceous Earth, Calcined	91053-39-3	100%	0.00096%	
			Amino Alkyl Phosphonic Acid	Trade Secret	30%	0.00029%	
All Ingredients including the non hazardous ingred			Phosphonic Acid	13598-36-2	1%	0.0001%	
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	0.0001%	
					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: 3/19/2013							
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.