

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: 30-025-41523 2. Well Name: VACA 11 FEDERAL #002H 3. Well Number: 002H			
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment			4. Surface Hole Location: Unit: P Lot: P Section: 11 Township: 25S Range: 33E Feet from: 170 N/S Line: S Feet from: 1200 E/W Line: E 5. Bottom Hole Location: Unit: P Lot: P Section: 11 Township: 25S Range: 33E Feet from: 170 N/S Line: S Feet from: 1200 E/W Line: E 6. Latitude: 32.1382590892992 Longitude: - 103.538480375158 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: 5/21/2014 Frac Performed by: Pumpco			12. Production Type: O			
13. Pool Code(s): 97900			14. Gross Fractured Interval: 1,324 ft to 10,713 ft			
15. True Vertical Depth (TVD): 10,721 ft			16. Total Volume of Fluid Pumped: 7,379,005 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	EOG	Carrier/Base Fluid	Water	7732-18-5	100%	87.80373%
Sand	EOG	Proppant	Crystalline Silica	14808-60-7	100%	10.66519%
Hydrochloric Acid	Pumpco	Acid	Hydrochloric Acid	7647-01-0	7.5%	0.08966%
			Water	7732-18-5	100%	1.1955%
Plexgel Breaker XPA	Chemplex	Breaker for slickwater fracs	Hydrogen Peroxide	7722-84-1	8%	0.00261%
			Water	7732-18-5	93%	0.03031%
Plexflow RTS	Chemplex	Oil field Surfactant	Isopropyl Alcohol	67-63-0	80%	0.0307%
			Polymers Derived from Fatty Acids	Trade Secret	10%	0.00384%
			Polyethylene Glycol	25322-68-3	1%	0.00038%
			Vegetable Oil	Proprietary	1%	0.00038%
			Dimer Fatty Acids	Proprietary	1%	0.00038%
			Heavy Aromatic Naptha	64742-94-5	5%	0.00192%
			Naphthalene	91-20-3	1%	0.00038%
			Ethoxylated Nonyl Phenol-Formaldehyde Resin	30846-35-6	10%	0.00384%
			Fluoroalkyl Alcohol Substituted Polyethylene Glycol	65545-80-4	1%	0.00038%
			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%
Plexsick 957	Chemplex	Anionic water-soluble polymer in emulsion form	Ammonium Chloride	12125-02-9	5%	0.00172%
			Nonionic Surfactants	Trade Secret	10%	0.00345%
			Paraffinic, Naphthenic Solvent	64742-47-8	30%	0.01035%
			Poly (acrylamide-co-acrylic acid), partial sodium salt	62649-23-4	35%	0.01207%
			Sodium Chloride	7647-14-5	5%	0.00172%
			Water	7732-18-5	40%	0.01379%
Plexhib 256	Chemplex	Corrosion inhibitor for hydrochloric acid	Methyl Alcohol	67-56-1	60%	0.00109%
			Propargyl Alcohol	107-19-7	10%	0.00018%
			Thiourea/Formaldehyde Copolymer	68527-49-1	30%	0.00055%
			Polyethoxylated Alcohol Surfactant	68951-67-7	30%	0.00055%
			C-14 to C-16 Alpha Olefins	64743-02-8	5%	9E-05%
Ferriplex 40	Chemplex	Iron Control Agent	Sodium Hydroxide	1310-73-2	1%	4E-05%
			Sodium Sulfate Anhydrous	7757-82-6	2%	8E-05%
			Trisodium Nitrotriacetate	5064-31-1	40%	0.00165%
			Water	7732-18-5	60%	0.00248%
Claymax	Chemplex	Oil Well Treatment	Choline Chloride	67-48-1	70%	0.15693%
			Water	7732-18-5	50%	0.11209%
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: Kiera Staples		Environmental Title: Associate	
Date: 6/10/2014						
E-mail Address: kiera_staples@eogresources.com						