	well completion	State	of New Mex	cico				Revised N	lovember 6, 2013
Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505						1. WELL API NO.			
						30-025-40538			
						2. Well Name:			
						VACA 24 FEDERAL COM #007H			
						3. Well Number: 007H			
HYDRAULIC FRACTURING FLUID DISCLOSURE						4. Surface Hole Location: Unit:P Lot:P Section:24 Township:25S Range:33E Feet from:50 N/S Line:S Feet from:660 EW Line:E			
⊠ Original						5. Bottom Hole		=/W Line:E	
□ Amendment						Feet from: 50 N/S Line: S Feet from: 660 E/W Line: E		Range:33E	
						6. latitude: 32.	1088623511012	longitude: - 103.5196347	31635
						7. County: Lea	É		
i. Operator Name and Add EOG RESOUF P.O. Box 2267 Midland 7970.	RCES INC 7				9. OGRID:	7377	10. Phone Numbe	er: 432	2-686-3689
	11/1/2013 Frac Perfor	med by: Pumpco			12. Productio	n Type:			
13. Pool Code(s):						ractured Interval:			
97900 15. True Vertical Depth (TVD):					181 ft to 9,450 ft 16. Total Volume of Fluid Pumped:				
9,450 ft 17. Total Volume of Re-Use Water Pumped:						179,859 gals 18. Percent of Re-Use Water in Fluid Pumped:			
N/A						t Disclosed			
N/A 9. HYDRAULIC FL	UID COMPOSITIO	N AND CONCENTRA			No	ot Disclosed			
N/A 9. HYDRAULIC FL		Purpose	TION:	(CAS #) Chemica Service #	No	ot Disclosed	edient in Additive (% by	Maximum Ingr Concentration mass)	
N/A 9. HYDRAULIC FL rade Name Vater	UID COMPOSITIO Supplier	Purpose Carrier/Base Fluid	Ingredients Water	(CAS #) Chemica Service # 7732-18-5	No	Maximum Ingr Concentration	in Additive (% by	Concentration	97.807499
N/A 9. HYDRAULIC FL rade Name Vater	UID COMPOSITIO	Purpose	Ingredients Water Hydrochloric Acid	(CAS #) Chemica Service # 7732-18-5 7647-01-0	No	Maximum Ingr Concentration	in Additive (% by 100% 7.5%	Concentration	97.807499 0.162569
N/A e. HYDRAULIC FL rade Name Vater lydrochloric Acid	Supplier EOG Pumpco	Purpose Carrier/Base Fluid	Water Hydrochloric Acid Water	(CAS #) Chemica Service # 7732-18-5	No	Maximum Ingr Concentration	in Additive (% by	Concentration	97.807499 0.162569 2.167529
N/A 9. HYDRAULIC FL rade Name Vater dydrochloric Acid	UID COMPOSITIO Supplier	Purpose Carrier/Base Fluid Acid	Ingredients Water Hydrochloric Acid	(CAS #) Chemica Service # 7732-18-5 7647-01-0 7732-18-5	No	Maximum Ingr Concentration	in Additive (% by 100% 7.5% 100%	Concentration	97.807499 0.162569 2.167529 0.019999
N/A 9. HYDRAULIC FL rade Name Vater Hydrochloric Acid	Supplier EOG Pumpco	Purpose Carrier/Base Fluid Acid	Water Hydrochloric Acid Water Isopropyl Alcohol Polymers Derived from Fatty Acids Polyethylene Glycol	(CAS #) Chemica Service # 7732-18-5 7647-01-0 7732-18-5 67-63-0 Trade Secret 25322-68-3	No	Maximum Ingr Concentration	100% 7.5% 100% 80% 100%	Concentration	97.807499 0.162569 2.167529 0.019999 0.00259
N/A 9. HYDRAULIC FL rade Name Vater Hydrochloric Acid	Supplier EOG Pumpco	Purpose Carrier/Base Fluid Acid	Water Hydrochloric Acid Water Isopropyl Alcohol Polymers Derived from Fatty Acids Polyethylene Glycol Vegetable Oil	(CAS #) Chemica Service # 7732-18-5 7647-01-0 7732-18-5 67-63-0 Trade Secret 25322-68-3 Proprietary	No	Maximum Ingr Concentration	in Additive (% by 100% 7.5% 100% 80% 10% 10% 10%	Concentration	97.807499 97.807499 0.162569 2.167529 0.019999 0.00259 0.000259
N/A 9. HYDRAULIC FL rade Name Vater Hydrochloric Acid	Supplier EOG Pumpco	Purpose Carrier/Base Fluid Acid	Water Hydrochloric Acid Water Isopropyl Alcohol Polymers Derived from Fatty Acids Polyethylene Glycol Vegetable Oil Dimer Fatty Acids Heavy Aromatic	(CAS #) Chemica Service # 7732-18-5 7647-01-0 7732-18-5 67-63-0 Trade Secret 25322-68-3	No	Maximum Ingr Concentration	100% 7.5% 100% 80% 100%	Concentration	97.807499 0.162569 2.167529 0.019999 0.00259 0.000259 0.000259
N/A 9. HYDRAULIC FL rade Name Vater dydrochloric Acid	Supplier EOG Pumpco	Purpose Carrier/Base Fluid Acid	Water Hydrochloric Acid Water Isopropyl Alcohol Polymers Derived from Fatty Acids Polyethylene Glycol Vegetable Oil Dimer Fatty Acids Heavy Aromatic Naptha	(CAS #) Chemica Service # 7732-18-5 7647-01-0 7732-18-5 67-63-0 Trade Secret 25322-68-3 Proprietary Proprietary 64742-94-5	No	Maximum Ingr Concentration	in Additive (% by 100% 7.5% 100% 80% 10% 11% 11% 5%	Concentration	97.80749' 97.80749' 0.16256' 2.16752' 0.01999' 0.0025' 0.00025' 0.00025'
N/A e. HYDRAULIC FL rade Name Vater lydrochloric Acid	Supplier EOG Pumpco	Purpose Carrier/Base Fluid Acid	Ingredients Water Hydrochloric Acid Water Isopropyl Alcohol Polymers Derived from Fatty Acids Polyethylene Glycol Vegetable Oil Dimer Fatty Acids Heavy Aromatic Naptha Naphthalene Ethoxylated Nonyl Phenol- Formaldehyde	(CAS #) Chemica Service # 7732-18-5 7647-01-0 7732-18-5 67-63-0 Trade Secret 25322-68-3 Proprietary	No	Maximum Ingr Concentration	100% 7.5% 100% 80% 100% 10% 10%	Concentration mass)	97.80749' 97.80749' 0.16256' 2.16752' 0.01999' 0.0025' 0.00025' 0.00025' 0.00125'
N/A e. HYDRAULIC FL rade Name Vater lydrochloric Acid	Supplier EOG Pumpco	Purpose Carrier/Base Fluid Acid	Water Hydrochloric Acid Water Isopropyl Alcohol Polymers Derived from Fatty Acids Polyethylene Glycol Vegetable Oil Dimer Fatty Acids Heavy Aromatic Naphthalene Ethoxylated Nonyl Phenol-	(CAS #) Chemica Service # 7732-18-5 7647-01-0 7732-18-5 67-63-0 Trade Secret 25322-68-3 Proprietary Proprietary 64742-94-5 91-20-3	No	Maximum Ingr Concentration	in Additive (% by 100% 7.5% 100% 80% 10% 10% 19% 19% 19% 19% 19% 19%	Concentration mass)	97.807499 0.162569 2.167529 0.019999 0.00259 0.000259 0.000259 0.000259 0.000259
N/A 9. HYDRAULIC FL rade Name Vater dydrochloric Acid	Supplier EOG Pumpco	Purpose Carrier/Base Fluid Acid	Ingredients Water Hydrochloric Acid Water Isopropyl Alcohol Polymers Derived from Fatty Acids Polyethylene Glycol Vegetable Oil Dimer Fatty Acids Heavy Aromatic Naptha Naphthalene Ethoxylated Nonyl Phenol- Formaldehyde Resin Fluoroalkyl Alcohol Substituted	(CAS #) Chemica Service # 7732-18-5 7647-01-0 7732-18-5 67-63-0 Trade Secret 25322-68-3 Proprietary Proprietary 64742-94-5 91-20-3 30846-35-6	No	Maximum Ingr Concentration	100% 7.5% 100% 80% 10% 10% 10% 10% 10% 11% 14% 15% 10% 10%	Concentration mass)	in HF Fluid (% E 97.807499 0.162569 2.167529 0.019999 0.00259 0.000259 0.000259 0.000259 0.000259
N/A 9. HYDRAULIC FL rade Name Vater Hydrochloric Acid	Supplier EOG Pumpco	Purpose Carrier/Base Fluid Acid	Ingredients Water Hydrochloric Acid Water Isopropyl Alcohol Polymers Derived from Fatty Acids Polyethylene Glycol Vegetable Oil Dimer Fatty Acids Heavy Aromatic Naptha Naphthalene Ethoxylated Nonyl Phenol- Formaldehyde Resin Fluoroalkyl Alcohol Substituted Polyethylene Glycol 1,4-Dioxane Dipropylene Glycol Methyl Ether	(CAS #) Chemica Service # 7732-18-5 7647-01-0 7732-18-5 67-63-0 Trade Secret 25322-68-3 Proprietary Proprietary 64742-94-5 91-20-3 30846-35-6 65545-80-4	No	Maximum Ingr Concentration	in Additive (% by 100% 7.5% 100% 80% 10% 19% 19% 19% 19% 19% 10% 10% 10%	Concentration mass)	97.807499 0.162569 2.167529 0.019999 0.00259 0.000259 0.000259 0.000259 0.000259 0.000259 0.000259 0.000259
9. HYDRAULIC FL rade Name Water Hydrochloric Acid Plexflow RTS	Supplier EOG Pumpco Chemplex	Purpose Carrier/Base Fluid Acid	Ingredients Water Hydrochloric Acid Water Isopropyl Alcohol Polymers Derived from Fatty Acids Polyethylene Glycol Vegetable Oil Dimer Fatty Acids Heavy Aromatic Naphtha Naphthalene Ethoxylated Nonyl Phenol- Formaldehyde Resin Fluoroalkyl Alcohol Substituted Polyethylene Glycol 1,4-Dioxane Dipropylene Glycol Methyl Ether Water	(CAS #) Chemica Service # 7732-18-5 7647-01-0 7732-18-5 67-63-0 Trade Secret 25322-68-3 Proprietary Froprietary 64742-94-5 91-20-3 30846-35-6 65545-80-4 123-91-1 34590-94-8 7732-18-5	No.	Maximum Ingr Concentration mass)	100% 7.5% 100% 80% 10% 10% 10% 10% 10% 11% 14% 15% 10% 10%	Concentration mass)	97.807499 0.162569 2.167529 0.01999 0.000259 0.000259 0.000259 0.000259 0.000259 0.000259 2E-059

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