

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							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		1. WELL API NO: 30-025-42059							
		2. Well Name: GRAMMA RIDGE 14 24 34 #005H							
		3. Well Number: 005H							
		4. Surface Hole Location: Unit:C Lot:C Section:14 Township:24S Range:34E Feet from:330 N/S Line:N Feet from:2310 E/W Line:W							
5. Bottom Hole Location: Unit:C Lot:C Section:14 Township:24S Range:34E Feet from:330 N/S Line:N Feet from:2310 E/W Line:W		6. latitude: 32.2239189 longitude: -103.4417953							
7. County: Lea									
8. Operator Name and Address: CHEVRON U S A INC Attn: Sandy Stedman-Daniel 1400 Smith Houston 77002		9. OGRID: 4323	10. Phone Number: 713-372-2978						
11. Last Fracture Date: 8/8/2015 Frac Performed by: HALLIBURTON		12. Production Type: O							
13. Pool Code(s): 96434		14. Gross Fractured Interval: 9,690 ft to 13,800 ft							
15. True Vertical Depth (TVD): 13,995 ft		16. Total Volume of Fluid Pumped: 5,634,415 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)			
FE Acid > 10%	Halliburton	Base Fluid	NA	NA	0%	0%			
Fresh Water	Operator	Base Fluid	Fresh Water	7732-18-5	100%	89.39301%			
BE-9, Cla-Web(TM), FR-66, LOSURF-360, OptiKleen-WF	Halliburton	Additive, Biocide, Concentrate, Friction Reducer, Gelling Agent, Proppant, Surfactant	NA	NA	0%	0%			
			Alcohols ethoxylated	Confidential	5%	0.00477%			
			Alkane	Confidential	1%	0.00088%			
			Aluminum oxide	1344-28-1	5%	0.39556%			
			Aluminum silicate	1302-76-7	10%	0.79111%			
			Amide	Confidential	5%	0.00477%			
			Amine salts	Confidential	0.1%	6E-05%			
			Ammonium chloride	12125-02-9	5%	0.00477%			
			Ammonium salt	Confidential	60%	0.01855%			
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00055%			
			Complex alkylamine	Proprietary	5%	0.00441%			
			Crystalline silica, cristobalite	14464-46-1	5%	0.39556%			
			Crystalline silica, quartz	14808-60-7	100%	0.96294%			
			Crystalline Silica, Quartz	14808-60-7	0.1%	1E-05%			
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	1E-05%			
			Guar gum	9000-30-0	100%	0.01105%			
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.02861%			
			Iron oxide	1309-37-1	1%	0.07911%			
			NFIDB:FE Acid > 10%	NFIDB:FE Acid > 10%	100%	1.45218%			
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-	61827-42-7	30%	0.02643%			
			Polyacrylamide copolymer	Confidential	30%	0.02861%			
			Quaternary amine	Confidential	5%	0.00189%			
			Silica gel	112926-00-8	1%	0.00011%			
			Sintered bauxite	1318-16-7	100%	7.91112%			
			Sodium bicarbonate	144-55-8	0.01%	1E-05%			
			Sodium chloride	7647-14-5	5%	0.00631%			
			Sodium perborate tetrahydrate	10486-00-7	100%	0.01068%			
			Sorbitan monooleate	9005-65-6	1%	0.00095%			
			polyoxyethylene derivative						
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1%	0.00095%			
			Surfactant mixture	Confidential	1%	0.00022%			
			Titanium dioxide	13463-67-7	1%	0.07911%			
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00446%			
			Water	7732-18-5	100%	0.20849%			
			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: Denise Pinkerton		Title: Regulatory Specialist		
Date: 9/18/2015									
E-mail Address: leakejd@chevron.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.