

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: 30-015-43397							
		2. Well Name: GRAVE DIGGER STATE COM #008H							
		3. Well Number: 008H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:N Lot:N Section:2 Township:20S Range:25E Feet from:170 N/S Line:S Feet from:1610 E/W Line:W							
		5. Bottom Hole Location: Unit:3 Lot:3 Section:2 Township:20S Range:25E Feet from:374 N/S Line:N Feet from:1484 E/W Line:W							
		6. latitude: 32.5956523 longitude: -104.45835101							
		7. County: Eddy							
8. Operator Name and Address: COG OPERATING LLC One Concho Center 600 W. Illinois Ave Midland 79701		9. OGRID: 229137	10. Phone Number: 432-685-4332						
11. Last Fracture Date: 12/11/2015 Frac Performed by: Halliburton		12. Production Type: O							
13. Pool Code(s): 97565		14. Gross Fractured Interval: 3,143 ft to 7,489 ft							
15. True Vertical Depth (TVD): 2,874 ft		16. Total Volume of Fluid Pumped: 2,145,917 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-1A ACIDIZING COMPOSITION	Halliburton	Base Fluid	NA	NA	0%	0%			
Fresh Water	Operator	Base Fluid	Fresh Water	7732-18-5	100%	77.09357%			
BC-140 X2, BE-9W, HAL-OS ACID INHIBITOR, HpH BREAK	Halliburton	Biocide, Breaker, Corrosion Inhibitor, Gelling Agent, Initiator, Scale Preventer	NA	NA	0%	0%			
			1,2-Benzisothiazolin-3-one	2634-33-5	0.1%	0%			
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0.1%	6E-05%			
			Acetic acid	64-19-7	60%	1.19609%			
			Acetic anhydride	108-24-7	100%	1.99349%			
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.00103%			
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00612%			
			C.I. Pigment Red 5	6410-41-9	1%	8E-05%			
			Calcium chloride	10043-52-4	0.1%	0%			
			Crystalline silica, quartz	14808-60-7	30%	0.00248%			
			Crystalline Silica, Quartz	14808-60-7	0.1%	0.00012%			
			Cured acrylic resin	Confidential	30%	0.00256%			
			Enzyme	Confidential	5%	0.00042%			
			Ethylene glycol	107-21-1	30%	0.01715%			
			Fatty acids, tall oil	Confidential	30%	0.00103%			
			Glassy calcium magnesium phosphate	65997-17-3	100%	0.01809%			
			Guar gum	9000-30-0	100%	0.12246%			
			Methanol	67-56-1	60%	0.00207%			
			Monoethanolamine borate	26038-87-9	100%	0.05716%			
			NFIDB:NA	NFIDB:NA	100%	20.66269%			
			Olefins	Confidential	5%	0.00041%			
			Propargyl alcohol	107-19-7	10%	0.00034%			
			Propylene glycol	57-55-6	60%	0.02438%			
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00103%			
			Silica gel	112926-00-8	1%	0.00122%			
			Sodium chloride	7647-14-5	30%	6E-05%			
			Surfactant mixture	Confidential	1%	0.00245%			
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00406%			
			Walnut hulls	NA	100%	0.00827%			
			Water	7732-18-5	100%	0.0634%			
			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: Chasity Jackson Title: Regulatory Analyst						
			Date: 3/7/2016						
E-mail Address: cjackson@conchoresources.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.