						T2				
Submit within 45 days of well completion State of New Mexico						Revised November 6, 2013				
	Energy, Minerals and Natural Resources					1. WELL API NO. 30-025-37400				
Oil Conservation Division 1220 S. St Francis Dr.					2. Well Name: COLE STATE #019					
						3. Well Number:				
Santa Fe, NM 87505						019	0.000			
HYDRAULIC FRACTURING FLUID DISCLOSURE						4. Surface Hole Lo Unit:G Lot:G Feet from:1650	Section: 16	Township:22S N/S Line:N	Range:37E	
⊠ Original						Feet from: 1800 5. Bottom Hole Loc		E/W Line:E		
□ Amendment						Unit:G Lot:G Section:16 Township:22S Range:37E Feet from:1650 N/S Line:N Feet from:1800 E/W Line:E				
						6. latitude: longitude: 32.3945693699839 -103.165257267584				
						7. County: Lea				
Operator Name and Address:	mg/ser-co.co.				9. OGRID:	258350	10. Phone Numb	er: {	832-327-2252	
VANGUARD PERMIAN, LLC 5847 San Felipe, Suite 3000 Houston 77057										
11. Last Fracture Date: 7/2/2014 Frac Performed by: CUDD 12. P					12. Production					
13. Pool Code(s): 50350						Fractured Interval: 3,485 ft to 3,636 ft				
15. True Vertical Depth (TVD): 4.200 ft					16. Total Volu	ume of Fluid Pumped: 1,832 gals				
17. Total Volume of Re-Use Water Pumped: N/A					18. Percent o	eroent of Re-Use Water in Fluid Pumped: Not Disclosed				
19. HYDRAULIC FLUID	COMPOSITION AN	ID CONCENTRAT	10N:		×.				-	
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemic Service #	cal Abstract	Maximum Ingredient Concentration in Additive (% by mass)		Maximum Ingredient Concentration in HF Fluid (% by mass)		
Water		Carrier / Base Fluid		7732-18-5			100%		82.94327%	
Sand		Proppant	Silicon Dioxide	14808-60-7		100%			11.9423%	
B-15	Water Science Tech	Biocide	Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8			20%		0.00217%	
00.14	Champley I C	Clay Control	Water	7732-18-5			80% 66%		0.00866%	
CS-14	Chemplex, L.C.	Clay Control	Non-hazardous salts (Choline) Water	Proprietary 7732-18-5			45%		0.05472%	
SG-15G	PfP Technology	Polymer	Guar Gum	9000-30-0			50%		0.03731%	
00-130	The reciniology	1 diyinci	Petroleum Distillate (Mineral Oil)	64742-47-8			55%	4	0.25093%	
			Bentonite Clay	14808-60-7			2%		0.00912%	
	2.0111		Surfactant	68439-51-0			2%		0.00912%	
XL-335	ASK	Crosslinker	Ethylene Glycol	107-21-1			25%		0.02192%	
			Potassium Hydroxide				25%		0.02192%	
			Proprietary	Proprietary			25%		0.02192%	
			Proprietary Proprietary	Proprietary Proprietary		100	15% 10%		0.01315% 0.00877%	
BC-1	Benchmark	Breaker Catalyst	Triethanolamine	102-71-6		8	100%		0.04277%	
50 1	Bonomian	Dicarci Catalyst	Diethanolamine	111-42-2			30%		0.01283%	
GB-2	Fritz Industries, Inc.	Breaker	Ammonium Persulfate	7727-54-0			99.9%		0.00922%	
NE-227	CESI	Non-emulsifier	Isopropanol	67-63-0		· ·	15%		0.0112%	
			Methanol	67-56-1			15%		0.0112%	
	(No. 1211211111111111111111111111111111111	111111111111111111111111111111111111111	Ethoxylated Nonylphenol	9016-45-9			20%		0.01493%	
Garnett,Pearl RCS	Preferred Sands	RCS Proppants	Quartz(SiO2)	14808-60-7			98%		4.26314%	
			Polyurethane Resin	Proprietary			5%		0.21751%	
20 Les Operator haraby as diff. I	hat the information shows a	this displayer form is to	Colorant	Proprietary	and balief		1%		0.0435%	
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: Randall Hicks Title: Sr Operations Engineer										
Date: 7/30/2014										
E-mail Address: rhicks@vnrllc.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.										