

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 8, 2013					
		1. WELL API NO: 30-015-41513					
		2. Well Name: RIGEL 20 FEDERAL COM #006H					
		3. Well Number: 006H					
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:E Lot:E Section:20 Township:19S Range:31E Feet from:1699 N/S Line:N Feet from:315 E/W Line:W					
		5. Bottom Hole Location: Unit:E Lot:E Section:20 Township:19S Range:31E Feet from:1699 N/S Line:N Feet from:315 E/W Line:W					
		6. Latitude: 32.6484886392461 Longitude: -103.899208363041					
		7. County: Eddy					
8. Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP 333 W. Sheridan Avenue Oklahoma City 73102		9. OGRID: 6137	10. Phone Number: 405-228-8588				
11. Last Fracture Date: 7/23/2014 Frac Performed by: BHI		12. Production Type: O					
13. Pool Code(s): 97056		14. Gross Fractured Interval: Confidential					
15. True Vertical Depth (TVD): 8,016 ft		16. Total Volume of Fluid Pumped: 6,713,574 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	Operator	Carrier	Water	7732-18-5	100%	84.07329%	
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.12418%	
			Water	7732-18-5	85%	0.70367%	
Alpha 125	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%	0.00738%	
GBW-5	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0	100%	0.00128%	
Enzyme G-I	Baker Hughes	Breaker	Contains non-hazardous ingredients which are listed in the non-MSDS section of the report	NA	0%	0%	
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	100%	0.00165%	
BF-9L, 300 gal tote	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.0601%	
			Potassium Hydroxide	1310-58-3	30%	0.03005%	
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.07016%	
			Water	7732-18-5	30%	0.02806%	
Clay Master-5C	Baker Hughes	Clay Control	Oxyakylated Amine Quat	Trade Secret	60%	0.00036%	
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00047%	
			Methanol	67-56-1	60%	0.00095%	
			Olefin	Trade Secret	5%	8E-05%	
			Polyoxyalkylenes	Trade Secret	30%	0.00047%	
			Propargyl Alcohol	107-19-7	10%	0.00016%	
			Thiourea Polymer	68527-49-1	30%	0.00047%	
XLW-4	Baker Hughes	Crosslinker	Sodium Tetraborate	1303-96-4	30%	0.01174%	
XLW-30AG, tote	Baker Hughes	Crosslinker	Petroleum Distillates	64742-47-8	60%	0.01202%	
XLW-30G, tote	Baker Hughes	Crosslinker	Borate Suspension	Trade Secret	99.9%	0.05106%	
			Crystalline Silica	14808-60-7	1%	0.00051%	
			Quartz				
MaxPerm-20A, 265 gallon tote	Baker Hughes	Friction Reducer	Oxyalkylated Alcohol	Trade Secret	5%	0.00094%	
			Petroleum Distillates	64742-47-8	30%	0.00567%	
			Polyacrylate	Trade Secret	60%	0.01133%	
			Sodium Chloride	7647-14-5	3%	0.00057%	
GW-4	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	100%	0.23674%	
AG-12	Baker Hughes	Gelling Agent	Acrylic Polymers	Trade Secret	60%	0.00087%	
			Distillates, Petroleum, Hydrotreated Middle	64742-47-8	30%	0.00033%	
			Oxyalkylated Alkylphenol	Trade Secret	5%	6E-05%	
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.00267%	
			Ammonium Hydroxide	1336-21-6	5%	0.00013%	
			Cupric Chloride	7447-39-4	5%	0.00013%	
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.02315%	
			Propylene Glycol	57-55-6	30%	0.01389%	
Sand, White, 30/50	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	8.5151%	
Sand, White, 40/70	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	5.78965%	
InFlo 251G	Baker Hughes	Surfactant	Ethanol	64-17-5	5%	0.0046%	
			Proprietary Surfactants	Trade Secret	35%	0.03221%	
Ingredients shown above are subject to 29 CFR 1910			Boric Oxide	1303-86-2	0%	0.0064083%	
			Cured Resin	Trade Secret	0%	0.0003965%	
			Fatty Acid Esters	67701-32-0	0%	2.11E-05%	
			Fatty Acid Oxyalkylate	70142-34-6	0%	2.2E-06%	
			Formaldehyde	50-00-0	0%	8E-07%	
			Hemicellulase	9025-56-3	0%	0.0005177%	
			Enzyme Concentrate				
			Methanol	67-56-1	0%	6.15E-05%	
			Oleate Ester	1338-43-8	0%	0.0005665%	
			Organophilic Clay	Trade Secret	0%	0.0010013%	
			Polymeric Suspending Agent	Trade Secret	0%	0.0010013%	
			Polysorbate	9005-65-6	0%	0.0005665%	
			Sodium Chloride	7647-14-5	0%	2.18E-05%	
			Surfactant	Trade Secret	0%	0.0002003%	
			Water	7732-18-5	0%	0.1732511%	
			Xylene	1330-20-7	0%	6.7E-06%	
			diester of sulfosuccinic acid sodium salt	2673-22-5	0%	5.6E-06%	
	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: Ronnie Slack		Title: Production Technologist		
	Date: 8/5/2014						
E-mail Address: ronnie.slack@dmv.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.