

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 February 15, 2012							
		1. WELL API NO: 30-015-40037							
		2. Well Name: EMERALD PWU 20 #004H							
		3. Well Number: 004H							
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:M Lot:M Section:20 Township:19S Range:29E Feet from:890 N/S Line:S Feet from:340 E/W Line:W							
		5. Bottom Hole Location: Unit:M Lot:M Section:20 Township:19S Range:29E Feet from:890 N/S Line:S Feet from:340 E/W Line:W							
		6. latitude: longitude: 32.6415016845458 - 104.104524145702							
		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: 6/12/2012 Frac Performed by: Haliburton			12. Production Type: O						
13. Pool Code(s): 55510			14. Gross Fractured Interval: 8,350 ft to 12,102 ft						
15. True Vertical Depth (TVD): 7,900 ft			16. Total Volume of Fluid Pumped: 29,290 bbls						
17. 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)			
Fresh Water	Operator				100%	81.00745%			
Cla-Web	Halliburton	Additive	Proprietary	Confidential Business Information	60%	0.03036%			
Premium White - 20/40	Halliburton				100%	14.22104%			
CRC - 16/30	Halliburton				100%	3.74746%			
100 Mesh	Halliburton				100%	0.49999%			
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.02778%			
			Monoethanolamine borate	26038-87-9	100%	0.0926%			
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00022%			
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00354%			
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.02581%			
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.02581%			
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00066%			
			Ethanol	64-17-5	60%	0.03959%			
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.0198%			
			Naphthalene	91-20-3	5%	0.0033%			
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.0033%			
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.00288%			
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential Business Information	100%	0.01995%			
			Silica, amorphous precipitated	67762-90-7	30%	0.00598%			
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.20161%			
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00138%			
			Walnut hulls	Mixture	100%	0.0046%			
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2634-33-5	0%	0%			
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl)azo] -, trisodium salt	915-67-3	0%	0%			
			Alcohols, C12-16, ethoxylated	68551-12-2	0%	0%			
			Ammonium chloride	12125-02-9	0%	0%			
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%			
			C.I. Pigment Red 5	6410-41-9	0%	0%			
			Calcium chloride	10043-52-4	0%	0%			
			Crystalline Silica, Quartz	14808-60-7	0%	0%			
			Cured Acrylic Resin	Confidential Business Information	0%	0%			
			Cured Acrylic Resin	Confidential Business Information	0%	0%			
			Enzyme	Confidential Business Information	0%	0%			
			Enzyme	Confidential Business Information	0%	0%			
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%			
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%			
			Polyacrylamide Copolymer	Confidential Business Information	0%	0%			
			Polypropylene glycol	25322-69-4	0%	0%			
			Silica gel	112926-00-8	0%	0%			
			Sodium chloride	7647-14-5	0%	0%			
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	0%	0%			
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	0%	0%			
			Surfactant Mixture	Confidential Business Information	0%	0%			
			Surfactant Mixture	Confidential Business Information	0%	0%			
			Tall oil acid diethanolamide	68155-20-4	0%	0%			
			Water	7732-18-5	0%	0%			
			18. 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: Derek Berg Title: Engineering Technician						
Date: 11/13/2012									
E-mail Address: derek.berg@dvn.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.