

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. 30-025-40676							
		2. Well Name: IRONHOUSE 19 STATE COM #001H							
		3. Well Number: 001H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:N Lot:N Section:19 Township:18S Range:35E Feet from:200 N/S Line:S Feet from:1800 E/W Line:W							
		5. Bottom Hole Location: Unit:N Lot:N Section:19 Township:18S Range:35E Feet from:200 N/S Line:S Feet from:1800 E/W Line:W							
		6. Latitude: 32.7266022696733 Longitude: -103.499501312502							
		7. County: Lea							
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: 12/11/2012 Frac Performed by: BHI		12. Production Type: O							
13. Pool Code(s): 97930		14. Gross Fractured Interval: 9,934 ft to 14,152 ft							
15. True Vertical Depth (TVD): 9,435 ft		16. Total Volume of Fluid Pumped: 40,138 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)			
Water	Operator	Carrier	Water	7732-18-5	100%	84.10954%			
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.20826%			
			Water	7732-18-5	85%	1.18013%			
Superset-W, 330 gl tote	Baker Hughes	Activator	Methanol	67-56-1	50%	0.01117%			
			Poly (Oxyethylene) Nonylphenol Ether	9016-45-9	50%	0.01117%			
Alpha 125	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%	0.0068%			
GBW-5	Baker Hughes	Breaker	Ammonium Phosphate	7727-54-0	100%	0.0009%			
Enzyme G-1	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	9025-56-3	3%	0.00169%			
			Water	7732-18-5	97%	0.05459%			
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	60%	0.00359%			
			Crystalline Silica Quartz	14808-60-7	30%	0.0018%			
GBW-18	Baker Hughes	Breaker	Sodium Persulfate	7775-27-1	100%	0.00132%			
BF-9L, 55 gal drum	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.06187%			
			Potassium Hydroxide	1310-58-3	30%	0.03094%			
ClayCare, tote	Baker Hughes	Clay	Choline Chloride	67-48-1	75%	0.07026%			
		Control	Water	7732-18-5	30%	0.0281%			
Clay Master-5C	Baker Hughes	Clay Control	Oxyakylated Amine Quat	138879-94-4	60%	0.00057%			
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00064%			
			Methanol	67-56-1	60%	0.00128%			
			Olefin	Trade Secret	5%	0.00011%			
			Polyoxyalkylenes	Trade Secret	30%	0.00064%			
			Propargyl Alcohol	107-19-7	10%	0.00021%			
XLW-4	Baker Hughes	Crosslinker	Sodium Borate Decahydrate	1303-96-4	30%	0.01498%			
XLW-30G, tote	Baker Hughes	Crosslinker	Borate Suspension	Trade Secret	99.8%	0.05804%			
			Crystalline Silica Quartz	14808-60-7	0.2%	0.00012%			
FRW-20	Baker Hughes	Friction Reducer	Petroleum Distillates	64742-47-8	30%	0.00478%			
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.3112%			
			Paraffinic Petroleum Distillate	64742-55-8	60%	0.3112%			
			Petroleum Distillate	64742-47-8	60%	0.3112%			
AG-12	Baker Hughes	Gelling Agent	Acrylic Polymers	26006-22-4	50%	0.00065%			
			Distillates, Petroleum, Hydrotreated Middle	64742-47-8	21.1%	0.00027%			
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.00396%			
			Ammonium Hydroxide	1336-21-6	5%	0.0002%			
			Cupric Chloride	7447-39-4	5%	0.0002%			
NE-945, tote	Baker Hughes	Non-emulsifier	Oxyalkylated alcohol	Trade Secret	5%	6E-05%			
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.04235%			
			Propylene Glycol	57-55-6	30%	0.02541%			
Sand, White, 30/50	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	7.56684%			
Super LC, 20/40	Baker Hughes	Proppant	Hexamethylenetetramine	1009-7-0	0.01%	0.00052%			
			P/F Resin	9003-35-4	5%	0.28104%			
			Silicon Dioxide (Silica Sand)	14808-60-7	97%	5.06414%			
Flo-Back Prime (tote)	Baker Hughes	Surfactant	Essential Oils	Trade Secret	60%	0.03021%			
			Isopropanol	67-63-0	30%	0.01511%			
Ingredients shown above are subject to 29 CFR 1910			Aliphatic Hydrocarbon	Trade Secret	0%	0.0037091%			
			Alkoxylated Amine	Trade Secret	0%	0.0001221%			
			Alkyene Oxide Block Polymer	Trade Secret	0%	0.0001392%			
			Antifoam	Trade Secret	0%	2E-07%			
			Citrus Terpenes	94266-47-4	0%	0.0302111%			
			Cured Acrylic Resin	Trade Secret	0%	0.0017952%			
			Fatty Acid Esters	67701-32-0	0%	2.46E-05%			
			Fatty Acid Oxyalkylate	70142-34-6	0%	2.6E-06%			
			Formaldehyde	50-00-0	0%	1.07E-05%			
			Glycerin	56-81-5	0%	0%			
			Methanol	67-56-1	0%	5.66E-05%			
			Modified Thiourea Polymer	68527-49-1	0%	0.0002347%			
			Organic Polyol	112-27-6	0%	0.0050352%			
			Organic Sulfonic Acid	27176-87-0	0%	2.4E-06%			
			Oxyalkylated Alcohol	Trade Secret	0%	0.0003184%			
			Oxyalkylated Alkylphenol	9016-45-9	0%	2.33E-05%			
			Polyglycol	25322-68-3	0%	2.32E-05%			
			Polyglycol Ester	Trade Secret	0%	0.0001433%			
			Polyol Ester	Trade Secret	0%	0.0001751%			
			Polyquaternary Amine	Trade Secret	0%	1.47E-05%			
			Sodium Chloride	7647-14-5	0%	0.0082002%			
			Surfactants	Trade Secret	0%	0.0352463%			
			Vinyl Copolymer	Trade Secret	0%	0.0044573%			
			Water	7732-18-5	0%	0.1020374%			
			Xylene	1330-20-7	0%	7.8E-06%			
			diester of sulfosuccinic acid sodium salt	2673-22-5	0%	6.5E-06%			
			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: 6/3/2013						
			E-mail Address: derek.berg@dm.com						
			NMOC does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOC does not require the reporting or disclosure of proprietary, trade secret or confidential business information.						