

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: 30-015-29780					
				2. Well Name: HACKBERRY 18 FEDERAL #001					
				3. Well Number: 001					
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment				4. Surface Hole Location: Unit:O Lot:O Section:18 Township:19S Range:31E Feet from:660 N/S Line:S Feet from:1980 E/W Line:E					
				5. Bottom Hole Location: Unit:O Lot:O Section:18 Township:19S Range:31E Feet from:660 N/S Line:S Feet from:1980 E/W Line:E					
				6. latitude: longitude: 32.654948714255 - 103.906560751893					
				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: 9/4/2012 Frac Performed by: Baker Hughes				12. Production Type: G					
13. Pool Code(s): 97020				14. Gross Fractured Interval: 7,836 ft to 7,860 ft					
15. True Vertical Depth (TVD): 7,860 ft				16. Total Volume of Fluid Pumped: 1,170 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%	85.45086%			
Alpha 125	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%	0.00551%			
Enzyme G-I	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	9025-56-3	3%	0.00261%			
			Water	7732-18-5	97%	0.08434%			
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	60%	0.00688%			
			Crystalline Silica Quartz	14808-60-7	30%	0.00344%			
GBW-33D	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	Trade Secret	100%	0.0073%			
BF-9L, 55 gal drum	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.06135%			
			Potassium Hydroxide	1310-58-3	30%	0.03067%			
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.06261%			
			Water	7732-18-5	30%	0.02504%			
XLW-4	Baker Hughes	Crosslinker	Sodium Borate Decahydrate	1303-96-4	30%	0.0271%			
XLW-30G, tote	Baker Hughes	Crosslinker	Borate Suspension	Trade Secret	99.8%	0.13551%			
			Crystalline Silica Quartz	14808-60-7	0.2%	0.00027%			
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.41914%			
			Paraffinic Petroleum Distillate	64742-55-8	60%	0.41914%			
			Petroleum Distillate	64742-47-8	60%	0.41914%			
NE-945, tote	Baker Hughes	Non-emulsifier	Oxyalkylated alcohol	Trade Secret	5%	0.0047%			
BDX93148 Oil Plus, 20/40, bulk	Baker Hughes	Proppant	Quartz (SiO2)	14808-60-7	100%	12.38009%			
Flo-Back Prime (tote)	Baker Hughes	Surfactant	Essential Oils	Trade Secret	60%	0.05952%			
			Isopropanol	67-63-0	30%	0.02976%			
Ingredients shown above are subject to 29 CFR 1910			85% Phosphoric Acid, FG	10361-65-6	0%	7E-07%			
			Alkoxylated Amine	Trade Secret	0%	0.0094006%			
			Alkylene Oxide Block Polymer	Trade Secret	0%	0.0107167%			
			Antifoam	Trade Secret	0%	1.88E-05%			
			Boric Acid	10043-35-3	0%	7E-07%			
			Calcium Carbonate	471-34-1	0%	0.000511%			
			Calcium Chloride	10043-52-4	0%	1.5E-06%			
			Citrus Terpenes	94266-47-4	0%	0.0595193%			
			Corn Meal	N.A.	0%	0.0060587%			
			Cupric Sulfate 5 H2O, ACS	7758-99-8	0%	7E-07%			
			Cured Acrylic Resin	Trade Secret	0%	0.0034412%			
			D-Biotin ,USP	119616-38-5	0%	7E-07%			
			Ferric Chloride, Hexahydrate	7705-08-0	0%	7E-07%			
			Glycerin	56-81-5	0%	0%			
			Linseed Meal	8001-26-1	0%	0.00073%			
			Magnesium Sulfate	7487-88-9	0%	7E-07%			
			Mannan Endo-1,4-B-Mannosidase	37288-54-3	0%	8E-06%			
			Methanol	67-56-1	0%	4.59E-05%			
			Organic Polyol	112-27-6	0%	0.0099199%			
			Organic Sulfonic Acid	27176-87-0	0%	0.000188%			
			Polyethylene Glycol	25322-68-3	0%	7E-07%			
			Polyglycol	25322-68-3	0%	0.0017861%			
			Polyquaternary Amine	Trade Secret	0%	0.0011281%			
			Potassium Sulfate	7778-80-5	0%	7E-07%			
			Sodium Chloride	7647-14-5	0%	0.0150988%			
			Sodium Molybdate	7631-95-0	0%	7E-07%			
			Soy Isoflavone	486-66-8	0%	7E-07%			
			Surfactants	Trade Secret	0%	0.0694392%			
			Thiamine-HCl	67-03-8	0%	7E-07%			
			Water	7732-18-5	0%	0.1769962%			
			Yeast Extract	8013-01-2	0%	7E-07%			
			Zinc Sulfate Heptahydrate	7446-19-7	0%	7E-07%			
			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: 11/6/2012						
			E-mail Address: derek.berg@dm.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.