

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 6, 2013				
		1. WELL API NO: 30-045-35423				
		2. Well Name: LOGOS #005				
		3. Well Number: 005				
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:P    Lot:P    Section:4    Township:23N    Range:08W Feet from:671    N/S Line:S Feet from:973    E/W Line:E				
		5. Bottom Hole Location: Unit:P    Lot:P    Section:4    Township:23N    Range:08W Feet from:671    N/S Line:S Feet from:973    E/W Line:E				
		6. latitude:    longitude: 36.2508354    -107.6811981				
		7. County: San Juan				
8. Operator Name and Address: WPX ENERGY PRODUCTION, LLC PO Box 640 721 South Main Aztec 87410		9. OGRID:    120782	10. Phone Number:    505-333-1801			
11. Last Fracture Date:    12/14/2016    Frac Performed by:    Halliburton		12. Production Type: G				
13. Pool Code(s): 97232		14. Gross Fractured Interval: 4,815 ft to 4,943 ft				
15. True Vertical Depth (TVD): 6,443 ft		16. Total Volume of Fluid Pumped: 24,141 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)
10% KCL Water	Operator	Base Fluid	Water	7732-18-5	90%	43.99963%
Cla-Web(TM)	Halliburton	Additive	Listed Below	Listed Below	0%	0%
GBW-30 BREAKER	Halliburton	Breaker	Listed Below	Listed Below	0%	0%
HC-2	Halliburton	Additive	Listed Below	Listed Below	0%	0%
LOSURF-300D	Halliburton	Non-ionic Surfactant	Listed Below	Listed Below	0%	0%
NITROGEN LIQUEFIED	Halliburton	Fluid	Listed Below	Listed Below	0%	0%
SAND-PREMIUM WHITE-20/40, 100 LB SACK	Halliburton	Proppant	Listed Below	Listed Below	0%	0%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Listed Below	Listed Below	0%	0%
MSDS and Non-MSDS Ingredients are listed below the			1,2,4 Trimethylbenzene	95-63-6	1%	0.00017%
			Amine salts	Proprietary	0.1%	4E-05%
			Crystalline silica, quartz	14808-60-7	100%	41.02457%
			Ethanol	64-17-5	60%	0.01027%
			Glycerine	56-81-5	5%	0.00502%
			Guar gum	9000-30-0	100%	0.05324%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.00513%
			Hemicellulase enzyme	9012-54-8	30%	0.00068%
			Hydroxyalkylammonium chloride	Proprietary	60%	0.01251%
			Inner salt of alkyl amines	Proprietary	30%	0.03014%
			Lactose	63-42-3	100%	0.00228%
			Naphthalene	91-20-3	5%	0.00086%
			Nitrogen	7727-37-9	100%	9.89302%
			Oxylated phenolic resin	Proprietary	30%	0.00684%
			Poly (oxy-1,2-ethanediyl), alpha-(4-nonylphenyl) -omega-hydroxy-, branched	127087-87-0	5%	0.00086%
			Potassium chloride	7447-40-7	10%	4.88885%
			Quaternary amine	Proprietary	5%	0.00127%
			Sodium chloride	7647-14-5	30%	0.03118%
			Water	7732-18-5	60%	0.07278%
			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:    Kathy Rondeau		Engineering Technician Title:    Sr-Completions		
Date:    1/1/2017						
E-mail Address:    kathy.rondeau@wpxenergy.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.