

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: 30-045-35439							
		2. Well Name: CHACO 2308 16I #147H							
		3. Well Number: 147H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:I Lot:I Section:16 Township:23N Range:08W Feet from:1491 N/S Line:S Feet from:248 E/W Line:E							
		5. Bottom Hole Location: Unit:I Lot:I Section:16 Township:23N Range:08W Feet from:1491 N/S Line:S Feet from:248 E/W Line:E							
		6. Latitude: 0 Longitude: 0							
		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: 4/18/2013 Frac Performed by: Halliburton				12. Production Type: O					
13. Pool Code(s): 47540				14. Gross Fractured Interval: Confidential					
15. True Vertical Depth (TVD): 5,125 ft				16. Total Volume of Fluid Pumped: 22,559 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	Carrier	Water	7732-18-5	100%	55.94399%			
SAND - PREMIUM - 20/40, BULK, SK (101272933)	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	22.59936%			
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.01973%			
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00028%			
			Ethanol	64-17-5	60%	0.01699%			
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.0085%			
			Naphthalene	91-20-3	5%	0.00142%			
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00142%			
LGC-36 UC	Halliburton	Liquid Gel Concentrate	Guar gum	9000-30-0	60%	0.11656%			
			Naphtha, hydrotreated heavy	64742-48-9	60%	0.11656%			
HC-2	Halliburton	Additive	Inner salt of alkyl amines	Confidential Business Information	30%	0.03288%			
			Sodium chloride	7647-14-5	30%	0.03288%			
BC-140	Halliburton	Crosslinker	Ethylene glycol	107-21-1	30%	0.00193%			
			Monoethanolamine borate	26038-87-9	60%	0.00387%			
SALT	Halliburton	Additive	Sodium chloride	7647-14-5	100%	1.11052%			
GBW-30 BREAKER	Halliburton	Breaker	Hemicellulase enzyme	9012-54-8	15%	0.00066%			
			Carbohydrates	Confidential Business Information	95%	0.00416%			
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00131%			
			Walnut hulls	Mixture	100%	0.00438%			
NITROGEN LIQUEFIED	Halliburton	Fluid	Nitrogen	7727-37-9	100%	19.96587%			
Ingredients Listed Below This Line Are Part of the			Amine Salts	75-57-0	0%	0%			
			Amine Salts	593-81-7	0%	0%			
			C.I. Pigment Red 5	6410-41-9	0%	0%			
			Crystalline silica, quartz	14808-60-7	0%	0%			
			Cured Acrylic Resin	Mixture	0%	0%			
			Cured Acrylic Resin	9002-98-6	0%	0%			
			Enzyme	9025-56-3	0%	0%			
			Fatty alcohol polyglycol ether surfactant	9043-30-5	0%	0%			
			Glycerine	56-81-5	0%	0%			
			Oxyalkylated Phenolic Resin	29316-47-0	0%	0%			
			Oxyalkylated Phenolic Resin	63428-92-2	0%	0%			
			Quaternary Amine	34004-36-9	0%	0%			
			Quaternary Amine	3327-22-8	0%	0%			
			Quaternary Amine	75-50-3	0%	0%			
			Quaternary ammonium compounds, bis (hydrogenated tallow alkyl) dimethyl, salts with bentonite	68953-58-2	0%	0%			
			Sodium Chloride	7647-14-5	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: Lila Miller Title: Engineering Tech II						
			Date: 7/5/2013						
E-mail Address: Lila.Miller@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.