

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: 30-015-43077				
		2. Well Name: NASH UNIT #047H				
		3. Well Number: 047H				
HYDRAULIC FRACTURING FLUID DISCLOSURE  <input checked="" type="checkbox"/> Original  <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:C Lot:C Section:18 Township:23S Range:30E Feet from:700 N/S Line:N Feet from:1980 E/W Line:W				
		5. Bottom Hole Location: Unit:C Lot:C Section:18 Township:23S Range:30E Feet from:700 N/S Line:N Feet from:1980 E/W Line:W				
		6. latitude: longitude: 32.3103819605245 -103.923240128205				
		7. County: Eddy				
8. Operator Name and Address: XTO ENERGY, INC 382 CR 3100 Aztec 87410		9. OGRID: 5380	10. Phone Number: 505-333-3726			
11. Last Fracture Date: 6/29/2017 Frac Performed by: ProFrax		12. Production Type: O				
13. Pool Code(s): 47545		14. Gross Fractured Interval: 8,467 ft to 14,365 ft				
15. True Vertical Depth (TVD): 6,993 ft		16. Total Volume of Fluid Pumped: 2,106,216 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)
Fresh Water	Operator	Carrier Fluid	Water	7732-18-5	100%	83.6412%
Proppant (Sand)	Keane	Propping Agent	Crystalline Silica, quartz	14808-60-7	100%	15.71747%
10% HCL	Keane	Acid	Water	7732-18-5	90%	0.24258%
			Hydrochloric Acid	7647-01-0	10%	0.02695%
KFR-22	Keane	Friction Reducer	Distillates (petroleum), hydrotreated light	64742-47-8	30%	0.00265%
			Proprietary Polymer	Proprietary	30%	0.00265%
			Proprietary Surfactant Blend	Proprietary	5%	0.00044%
KFEAC-30	Keane	Iron Control	acetic acid	64-19-7	60%	0.00166%
			citric acid	77-92-9	40%	0.00111%
KAI-12	Keane	Corrosion Inhibitor	Methanol	67-56-1	90%	0.00094%
			propan-2-ol	67-63-0	5%	5E-05%
			prop-2-yn-1-ol	107-19-7	5%	5E-05%
			xylene	1330-20-7	5%	5E-05%
			fatty imidazoline	61790-69-0	5%	5E-05%
			Alcohols, C7-9-iso-, C8-rich	68526-83-0	5%	5E-05%
			ethylbenzene	100-41-4	1%	1E-05%
KS-17	Keane	Surfactant	Amine sulfonate	26836-07-7	10%	0.00012%
			ethylene/propylene oxide polymer	Proprietary	10%	0.00012%
			alcohols, C11-14-iso-, C13- rich, ethoxylated	78330-21-9	5%	6E-05%
			Alcohol	68609-68-7	5%	6E-05%
KWG-111D	Keane	Gel	Guar Gum	9000-30-0	99%	0.15383%
KWXB-20	Keane	Crosslink	sodium hydroxide	1310-73-2	10%	0.01634%
			sodium borate	1303-96-4	10%	0.01634%
			ethylen glycol	107-21-1	10%	0.01634%
KPH-15	Keane	Buffering Agent	Potassium carbonate	584-08-7	60%	0.01409%
			potassium hydroxide	1310-58-3	30%	0.00704%
Encap LP	Keane	Breaker	Ammonium persulfate	7727-54-0	77%	0.00309%
			cured acrylic resin	Proprietary	12%	0.00048%
			Silica, crystalline quartz	14808-60-7	10%	0.0004%
KDF-1	Keane	DeFoamer	There are no hazardous ingredients as defined in the United States 29 CFR 1910.1200 (OSHA).	Not Available	100%	0.01161%
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: Patty Urias Title: Production Analyst						
Date: 11/11/2017						
E-mail Address: Patty.Urias@xtoenergy.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.