

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. 30-025-39429				
		2. Well Name: MCA UNIT #449				
		3. Well Number: 449				
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:C Lot:C Section:26 Township:17S Range:32E Feet from:760 N/S Line:N Feet from:1430 E/W Line:W				
		5. Bottom Hole Location: Unit:C Lot:C Section:26 Township:17S Range:32E Feet from:760 N/S Line:N Feet from:1430 E/W Line:W				
		6. latitude: longitude: 32.810679187706 -103.741018238086				
		7. County: Lea				
8. Operator Name and Address: CONOCOPHILLIPS COMPANY 3401 E. 30th Street Farmington 87402		9. OGRID: 217817		10. Phone Number: 505-326-9518		
11. Last Fracture Date: 4/18/2013 Frac Performed by: Trican		12. Production Type: O				
13. Pool Code(s): 43329		14. Gross Fractured Interval: 3,965 ft to 4,220 ft				
15. True Vertical Depth (TVD): 4,397 ft		16. Total Volume of Fluid Pumped: 32,122 gals				
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	Customer	Carrier	Water	7732-18-5	100%	78.73692%
Brown 16/30	Trican	Proppant	Crystalline silica: Quartz (SiO2)	14808-60-7	100%	20.27797%
WG-111L (Slurried Guar Gellant)	Trican	Gelling Agent	Mineral oil/ light hydrotreated pet. distillate	64742-47-8	60%	0.33973%
			polysaccharide blend	9000-30-0	60%	0.33973%
pH-11 (pH Buffer)	Trican	pH Buffer	Potassium carbonate	584-08-7	38%	0.03764%
			Potassium hydroxide	1310-58-3	13%	0.01288%
LCLM-30 (Borate Crosslinker)	Trican	Crosslinker	Potassium Metaborate	16481-66-6	99.8%	0.09479%
			Ethylene Glycol	107-21-1	25%	0.02375%
			Potassium hydroxide	1310-58-3	25%	0.02375%
BXL-A (Breaker Intensifier)	Trican	Breaker Activator	Triethanolamine	102-71-6	70%	0.05534%
			Diethanolamine	111-42-2	1%	0.00079%
S-15 (Surfactant)	Trican	Surfactant	Alcohol alkoxylate	Proprietary	20%	0.01412%
			Methanol	67-56-1	20%	0.01412%
Bactron K-31	Customer	Biocide	Gluteraraldehyde	111-30-8	25%	0.01277%
WBO-1 (Oxidizer Breaker)	Trican	Breaker	ammonium persulfate	7727-54-0	100%	0.01469%
Encap LP (Low temp Breaker)	Trican	Breaker	ammonium persulfate	7727-54-0	75%	0.00708%
			cured acrylic resin	Proprietary	16%	0.00151%
			Crystalline silica: Quartz (SiO2)	14808-60-7	10%	0.00094%
			Talc	14807-96-6	2%	0.00019%
			propylene carbonate	108-32-7	0%	0%
			Sorbitan trioleate	26266-58-0	0%	0%
			Modified bentonite	68953-58-2	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: Rhonda S Rogers		Staff Regulatory Title: Technician		
Date: 10/29/2013						
E-mail Address: rhonda.s.rogers@conocoPhillips.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.