C. L						T		Devised	F-1 4E 0040
Submit within 45 days of v	State of New Mexico Energy, Minerals and Natural Resource					Revised February 15, 2012  1. WELL API NO. 30-025-41016			
Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505						Well Name:     RUBY FEDERAL #022  3. Well Number:     022			
HYDRAULIC FRACTURING FLUID DISCLOSURE						4. Surface Hole Location: Unit:J Lot:J Section:18 Township:17S Range:32E Feet from:2310 N/S Line:S			Range:32E
Original						Feet from:2310 5. Bottom Hole L		/W Line:E	
□ Amendment						Unit:J Lot:J Feet from:2310 Feet from:2310	Section:18 T	ownship:17S /S Line:S /W Line:E	Range:32E
						6. latitude:	337275057726	longitude: - 103.804818	3136996
						7. County: Lea			
8. Operator Name and Addi	ress:				9. OGRID:	217817	10. Phone Numb	oer:	505-326-9518
CONOCOPHIL 3401 E. 30th S Farmington 87									
11. Last Fracture Date: 5/7/2013 Frac Performed by: Trican						0			
13. Pool Code(s): 14 44500						Fractured Interval: 5.408 ft to 6.657 ft			
15. True Vertical Depth (TVD): 6,905 ft					16. Total Vo	Volume of Fluid Pumped: 414,666 gals			
		TION AND CONCENTRA				T			
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemi Service #	cal Abstract	Maximum Ingredient Concentration in Additive (% by mass)		Maximum In Concentration mass)	gredient on in HF Fluid (% by
Water	Customer	Water	Water	7732-18-5		100%		7 1 111	80.88801%
Frac Sand - regular S-15	Trican Trican	Proppant Surfactant	Crystalline silica Alcohol alkoxylate	14808-60-7 Trade Secret		100%			15.28248% 0.01479%
0 10	mean	Cunaciani	Methanol	67-56-1		20%			0.01479%
WG-111L	Trican	Gelling Agent	light hydrotreated petroleum distillate	64742-47-8		60%			0.27565%
			polysaccharide blend	9000-30-0			60%		0.27565%
LCLM-30	Trican	Crosslinker	Ethylene glycol Potassium Metaborate	107-21-1 16481-66-6		7	99.8%		0.0256% 0.11603%
			Potassium Hydroxide	1310-58-3			25%		0.03%
BXL-A	Trican	Breaker Activator	Triethanolamine	102-71-6		70%			0.05461%
AcTivator	Trican	Resin Activator	Diethanolamine Alcohols, C12-14- secondary, ethoxylated	111-42-2 84133-50-6			1% 70%		0.00075% 0.05%
			Methanol	67-56-1			50%		0.03338%
WBO-1	Trican	Breaker	Polyethylene glycol Ammonium persulfate	25322-68-3 7727-54-0		5% 100%		1	0.00334% 0.00971%
Bactron K-31	Third Party	Biocide	Gluteraraldehyde	111-30-8			25%		0.01322%
Gyptron T-249	Third Party	Scale Inhibitor	Amine Phosphonate 1				60%		0.05802%
			Hydrochloric Acid	7647-01-0			10%		0.00967%
FEAC-20	Trican	Iron Control	Phosphoric Acid Acetic acid	7664-38-2 64-19-7			1% 45%		0.00097% 0.00404%
	T. Gair		Citric acid	77-92-9			30%		0.00269%
LAI-20	Trican	Acid Inhibitor	Methanol	67-56-1			40%		0.00429%
			Propargyl Alcohol thiourea-	107-19-7 68527-49-1			8% 30%		0.00086% 0.00322%
			formaldehyde copolymer	00021-49-1			30%		0.00322%
18. I, as Operator, hereby o	ertify that the inform	ation shown on this disclosure form		best of my knowl	ledge and beli	ef.			
Signature: Signa	ed Electronically	Printed Name	e: Rhonda S Rogers			Star Title: Tec	ff Regulatory hnician		
Date: 10/22	2/2013								

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.