

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: 30-025-40894				
		2. Well Name: RUBY FEDERAL #020				
		3. Well Number: 020				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:I Lot:I Section:18 Township:17S Range:32E Feet from:2310 N/S Line:S Feet from:910 E/W Line:E				
		5. Bottom Hole Location: Unit:I Lot:I Section:18 Township:17S Range:32E Feet from:2310 N/S Line:S Feet from:910 E/W Line:E				
		6. latitude: longitude: 32.8337216426543 -103.800238459154				
		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: 9/3/2014 Frac Performed by: J4		12. Production Type: O				
13. Pool Code(s): 44500		14. Gross Fractured Interval: 3,854 ft to 4,110 ft				
15. True Vertical Depth (TVD): 7,840 ft		16. Total Volume of Fluid Pumped: 129,064 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)
Water	COP	Carrier/Base Fluid	Water	7732-18-5	100%	85.97749%
Sand (Proppant)	Santröl	Proppant	Quartz (SiO2)	14808-60-7	100%	3.9123%
Sand (Proppant)2	Us Silica	Proppant	Quartz (SiO2)	14808-60-7	100%	10.95351%
			Disillate, petroleum, hydrotreated light	64742-47-8	90%	4.669%
Plexgel 907 LE	Chemplex	Gel	Propylene pentamer	15220-87-8	6%	0.298%
			c-11	1120-21-4	1%	0.5%
			c-12	112-40-3	1%	0.5%
			c-13	629-50-5	1%	0.5%
			c-14	629-59-4	1%	0.5%
			Acitic Acid	64-19-7	100%	3.389%
Acitiplex 50	Chemplex	PH Buffer	Methyl Alcohol	67-56-1	50%	4.43%
Plexsurf 580 ME	Chemplex	Surfactant	2-Butoxyethanol	111-76-2	50%	4.43%
			Potassium Hydroxide	1310-58-3	100%	6.762%
Buffer 12	Chemplex	PH Buffer	Potassium Metaborate	13709-94-9	33%	4.287%
Plexbor 101	Chemplex	Crosslinker	Potassium Hydroxide	1310-58-3	33%	4.287%
			Ethylene Glycol	107-21-1	33%	4.287%
Plexgel Breaker 10L	Chemplex	Breaker	Non_MSDS	Propietary	100%	3.664%
			Methyl Alcohol	67-56-1	50%	8.032%
Superset W	Santröl	Acitvator	Polyethylene glycol nonylphenyl ether	9016-45-9	50%	8.032%
			Tetrahydro-3, Dimethyl-2h,3,	533-74-4	50%	1.586%
			5-thiadiazine-22	533-74-4	0%	0%
Plexcide 24 B	Chemplex	Biocide	Sodium Hydroxide	1310-73-2	50%	0.727%
			Ammonium Persulfate	777-54-0	76%	0.825%
			BR-34B	Blue Ribbon	Breaker	Cured Resin
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: Rhonda S Rogers		Staff Regulatory Title: Technician		
Date: 9/8/2014						
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.