

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: 30-025-41018				
		2. Well Name: RUBY FEDERAL #028				
		3. Well Number: 028				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:F Lot:F Section: 17 Township:17S Range:32E Feet from:1650 N/S Line:N Feet from:1500 E/W Line:W				
		5. Bottom Hole Location: Unit:F Lot:F Section: 17 Township:17S Range:32E Feet from:1650 N/S Line:N Feet from:1500 E/W Line:W				
		6. Iatitute: 32.8373427557855 Longitude: - 103.792360883556				
		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: 1/30/2014 Frac Performed by: Cudd Energy Services		12. Production Type: O				
13. Pool Code(s): 44500		14. Gross Fractured Interval: 5,440 ft to 6,540 ft				
15. True Vertical Depth (TVD): 6,967 ft		16. Total Volume of Fluid Pumped: 382,139 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		Carrier / Base Fluid		7732-18-5	100%	79.76855%
Sand		Proppant	Silicon Dioxide	14808-60-7	100%	14.36537%
Super DC/LC TLC/THS Opti RCS	Sandtrol	Proppant	Silicon Dioxide	14808-60-7	97%	2.12106%
			P/F Novolak Resin	9003-35-4	5%	0.10933%
			Hexamethylenetetramine	1009-7-0	1%	0.02187%
B-115	Reef	Liquid Biocide	Gluteraldehyde	111-30-8	15%	0.00763%
			Methanol(Proprietary)	67-56-1	85%	0.04326%
			Water(Proprietary)	7732-18-5	85%	0.04326%
15% Hydrochloric Acid	Reagent	Scale Dissolver	37% Hydrochloric Acid	7647-01-0	15%	0.42071%
			Water	7732-18-5	85%	2.38401%
I-112	Chemplex,L.C.	Acid Corrosion Inhibitor	Methanol	67-56-1	49.6%	0.00113%
			Propargyl Alcohol	107-19-7	4%	9E-05%
SG-15G	PIP Technology	Polymer	Guar Gum	9000-30-0	50%	0.26325%
			Petroleum Distillate (Mineral Oil)	64742-47-8	55%	0.28957%
			Bentonite Clay	14808-60-7	2%	0.01053%
			Surfactant	68439-51-0	2%	0.01053%
XL-335	ASK	Crosslinker	Ethylene Glycol	107-21-1	25%	0.0236%
			Potassium Hydroxide	1310-58-3	25%	0.0236%
			Proprietary	Proprietary	25%	0.0236%
			Proprietary	Proprietary	15%	0.01416%
			Proprietary	Proprietary	10%	0.00944%
			Proprietary	Proprietary	10%	0.00944%
GB-2	Fritz Industries, Inc.	Breaker	Ammonium Persulfate	7727-54-0	99.9%	0.001%
GB-150	Chemplex, L.C.	Breaker	Non-hazardous ingredients	NA	100%	0.07187%
EGB-16LT	Fritz Industries, Inc.	Breaker	Ammonium Persulfate	7727-54-0	99.9%	0.00801%
			Silica, Crystalline-Quartz	14808-60-7	10%	0.0008%
NE-212	Chemplex, L.C.	Non-emulsifier	Isopropanol	67-63-0	5%	0.00012%
			Methanol	67-56-1	50%	0.00118%
			Alkyl Quanternary Ammonium Chlorides	Mixture	25%	0.00059%
			Diethanolamine	111422	2%	2E-05%
			1,3-Propanediol, 2-amino-2-(hm)-polymer	Trade Secret	8%	0.00019%
			2-Butoxy-1-ethanol	111-76-2	7%	0.00016%
			Cocamide	68603-42-9	2%	5E-05%
			Diethanolamine Salt			
			NE-227	CESI	Non-emulsifier	Isopropanol
			Methanol	67-56-1	15%	0.01123%
			Ethoxylated Nonylphenol	9016-45-9	20%	0.01498%
FE-4	Chemplex, L.C.	Iron Control Additive	Citric Acid Anhydrous	77-92-9	55%	0.00856%
			Water	7732-18-5	55%	0.00856%
Superset W	Santrol	Resin Activator	Methanol	67-56-1	50%	0.01349%
			Poly(oxyethylene) nonyphenol ether	9016-45-9	54%	0.01457%
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: <u>Signed Electronically</u>		Printed Name: <u>Ashley Martin</u>		Staff Regulatory Title: <u>Technician</u>		
Date: <u>2/3/2014</u>						
E-mail Address: <u>Ashley.Martin@conocophillips.com</u>						

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.