

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: 30-015-41679				
		2. Well Name: RUGER 31 LI FEDERAL #001H				
		3. Well Number: 001H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:L Lot:3 Section:31 Township:19S Range:29E Feet from:1950 N/S Line:S Feet from:50 E/W Line:W				
		5. Bottom Hole Location: Unit:L Lot: Section:31 Township:19S Range:29E Feet from:2284 N/S Line:S Feet from:332 E/W Line:E				
		6. latitude: 32.6154969089754 longitude: -104.121758877097				
		7. County: Eddy				
8. Operator Name and Address: MEWBOURNE OIL CO PO Box 5270 Hobbs 88241		9. OGRID: 14744	10. Phone Number: 575-393-5905			
11. Last Fracture Date: 8/6/2014 Frac Performed by: Baker Hughes		12. Production Type: O				
13. Pool Code(s): 65010		14. Gross Fractured Interval: 8,905 ft to 8,910 ft				
15. True Vertical Depth (TVD): 8,908 ft		16. Total Volume of Fluid Pumped: 2,716,014 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	Operator	Carrier	Water	7732-18-5	100%	87.12039%
HCl, 5.1 - 7.5%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	7.5%	0.06748%
Activator, 330 gal tote	Baker Hughes	Activator	Water	7732-18-5	92.5%	0.83227%
			Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6	70%	0.02327%
Alpha 125	Baker Hughes	Biocider	Methanol	67-56-1	50%	0.01662%
			Glutaraldehyde	111-30-8	30%	0.00663%
GBW-5	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0	100%	0.00125%
Enzyme G-II	Baker Hughes	Breaker	Contains non-hazardous ingredients which are listed in the non-MSDS section of the report	NA	0%	0%
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	100%	0.00154%
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00061%
			Methanol	67-56-1	60%	0.00122%
			Olefin	Trade Secret	5%	0.0001%
			Polyoxyalkylenes	Trade Secret	30%	0.00061%
			Propargyl Alcohol	107-19-7	10%	0.0002%
			Thiourea Polymer	68527-49-1	30%	0.00061%
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30%	0.0203%
			Sodium Hydroxide	1310-73-2	10%	0.00677%
			Sodium Tetraborate Decahydrate	1303-96-4	30%	0.0203%
			Petroleum Distillates	64742-47-8	30%	0.00611%
FRW-18	Baker Hughes	Friction Reducer	Guar Gum	9000-30-0	60%	0.21368%
GW-4LDF	Baker Hughes	Gelling Agent	Petroleum Distillate Blend (1)	64742-47-8	70%	0.24929%
			Petroleum Distillate Blend (3)	8042-47-5	70%	0.24929%
			Petroluem Distillate Blend (2)	64742-55-8	70%	0.24929%
			2-Mercaptoethanol	60-24-2	100%	0.00318%
NE-23, 55 gallon drum	Baker Hughes	Non-emulsifier	Ammonium Hydroxide	1336-21-6	5%	0.00016%
			Cupric Chloride	7447-39-4	5%	0.00016%
NE-35, 330 gi tote	Baker Hughes	Non-emulsifier	Isopropanol	67-63-0	30%	0.0001%
Sand, White, 20/40	Baker Hughes	Proppant	Mixture of Surfactants	Trade Secret	50%	0.03667%
			Propylene Glycol	57-55-6	30%	0.022%
SB Excel 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	9.68452%
Ingredients shown above are subject to 29 CFR 1910			Quartz (SiO2)	14808-60-7	100%	1.10259%
			Benzyl Chloride	100-44-7	0%	3.3E-06%
			Cured Resin	Trade Secret	0%	0.0003693%
			Ethoxylated Alcohol	Trade Secret	0%	0.0004073%
			Ethoxylated Nonylphenol	9016-45-9	0%	1.64E-05%
			Formaldehyde	50-00-0	0%	1E-06%
			Glycol Ether	Trade Secret	0%	1.64E-05%
			Hemicellulase	9025-56-3	0%	2.5E-05%
			Enzyme Concentrate			
			Methanol	67-56-1	0%	5.52E-05%
			Olefin Sulfonate	Trade Secret	0%	0.0001964%
			Poly (acrylamide-co-acrylic acid)	Trade Secret	0%	0.0061097%
			Polyester	Trade Secret	0%	4.91E-05%
			Quaternary Amine Compounds	Trade Secret	0%	9.82E-05%
			Salt	Trade Secret	0%	0.0010183%
			Sodium Chloride	7647-14-5	0%	1.01E-05%
			Sorbitan Monooleate	Trade Secret	0%	0.0010183%
			Water	7732-18-5	0%	0.0534033%
			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: NM Young	
Date: 9/25/2014		Title: Manager				
E-mail Address: rterrell@mewbourne.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.