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.
30-015-41796

2. Well Name:
RAMBLIN ROSE 14 FED #001

3. Well Number:
001

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:E Lot:E Section:14 Township:26S Range:31E
Feet from:1810 N/S Line:N
Feet from:820 E/W Line:W

5. Bottom Hole Location:
Unit:E Lot:E Section:14 Township:26S Range:31E
Feet from:1810 N/S Line:N
Feet from:820 E/W Line:W

6. latitude: 32.0452099913525 longitude: -103.754822632082

7. County:
Eddy

8. Operator Name and Address:
EOG RESOURCES INC
P.O. Box 2267
Midland 79702

9. OGRID: 7377

10. Phone Number: 432-686-3689

11. Last Fracture Date: 3/21/2014 Frac Performed by: Pumpco

12. Production Type:
O

13. Pool Code(s):
97860

14. Gross Fractured Interval:
190 ft to 10,661 ft

15. True Vertical Depth (TVD):
10,661 ft

16. Total Volume of Fluid Pumped:
656,996 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	EOG	Carrier/Base Fluid	Water	7732-18-5	100%	83.69602%
Sand	EOG	Proppant	Crystalline Silica	14808-60-7	100%	13.40029%
Hydrochloric Acid	Pumpco	Acid	Hydrochloric Acid	7647-01-0	7.5%	0.16633%
			Water	7732-18-5	100%	2.21769%
Plexgel Breaker XPA	Chemplex	Breaker for slickwater fracs	Hydrogen Peroxide	7722-84-1	8%	0.00292%
			Water	7732-18-5	93%	0.03392%
Plexflow RTS	Chemplex	Oil field Surfactant	Isopropyl Alcohol	67-63-0	80%	0.04665%
			Polymers Derived from Fatty Acids	Trade Secret	10%	0.00583%
			Polyethylene Glycol	25322-68-3	1%	0.00058%
			Vegetable Oil	Proprietary	1%	0.00058%
			Dimer Fatty Acids	Proprietary	1%	0.00058%
			Heavy Aromatic Naptha	64742-94-5	5%	0.00292%
			Naphthalene	91-20-3	1%	0.00058%
			Ethoxylated Nonyl Phenol-Formaldehyde Resin	30846-35-6	10%	0.00583%
			Fluoroalkyl Alcohol Substituted Polyethylene Glycol	65545-80-4	1%	0.00058%
			1,4-Dioxane	123-91-1	0.1%	6E-05%
			Dipropylene Glycol Methyl Ether	34590-94-8	0.1%	6E-05%
			Water	7732-18-5	0.1%	6E-05%
Plexslick 957	Chemplex	Anionic water-soluble polymer in emulsion form	Ammonium Chloride	12125-02-9	5%	0.00078%
			Nonionic Surfactants	Trade Secret	10%	0.00156%
			Paraffinic, Naphthenic Solvent	64742-47-8	30%	0.00467%
			Poly (acrylamide-co-acrylic acid), partial sodium salt	62649-23-4	35%	0.00545%
			Sodium Chloride	7647-14-5	5%	0.00078%
			Water	7732-18-5	40%	0.00623%
Plexhib 256	Chemplex	Corrosion inhibitor for hydrochloric acid	Methyl Alcohol	67-56-1	60%	0.00472%
			Propargyl Alcohol	107-19-7	10%	0.00079%
			Thiourea/Formaldehyde Copolymer	68527-49-1	30%	0.00236%
			Polyethoxylated Alcohol Surfactant	68951-67-7	30%	0.00236%
			C-14 to C-16 Alpha Olefins	64743-02-8	5%	0.00039%
Ferriplex 40	Chemplex	Iron Control Agent	Sodium Hydroxide	1310-73-2	1%	0.00018%
			Sodium Sulfate Anhydrous	7757-82-6	2%	0.00036%
			Trisodium Nitrilotriacetate	5064-31-1	40%	0.00715%
			Water	7732-18-5	60%	0.01073%
Plexcide 24B	Chemplex	Biocide	Tetrahydro-3, 5-Dimethyl-2H-1,3,5-thiadiazine-2-thoine	533-744-4	24%	0.00524%
			Sodium Hydroxide	1310-73-2	11%	0.0024%
Plexbreak 145	Chemplex	Non-Emulisifier	Methyl Alcohol	67-56-1	15%	7E-05%
			Cocamide Diethanolamine Salt	68603-42-9	7%	3E-05%
			2-Butoxyethanol	111-76-2	15%	7E-05%
			Diethanolamine	111-42-2	3%	1E-05%
			Water	7732-18-5	65%	0.00032%
Acetiplex 80	Chemplex	Iron Sequesterant	Acetic Acid	64-19-7	82%	0.00335%
			Water	7732-18-5	22%	0.0009%
Plexgel 907L-EB	Chemplex	Viscosifier for Water	Alcohol Ethoxylate	Trade Secret	1%	0.00242%
			C-11 to C-14 n-alkanes, mixed	Mixture	50%	0.12105%
			Crystalline Silica	14808-60-7	0.02%	5E-05%
			Distillate, petroleum, hydrotreated light	64742-47-8	50%	0.12105%
			Guar Gum	9000-30-0	48%	0.11621%
			Methyl Alcohol	67-56-1	1%	0.00242%
			Organophylic Clay	68593-58-2	2%	0.00484%
			Propylene Pentamer	15220-87-8	50%	0.12105%
Buffer 11	Chemplex	pH Buffer	Potassium Carbonate	584-08-7	40%	0.04423%
			Potassium Hydroxide	1310-58-3	15%	0.01659%
			Water	7732-18-5	60%	0.06635%
Plexbor 101	Chemplex	Oil Field Crosslinker	Ethylene Glycol	107-21-1	15%	0.01173%
			Potassium Hydroxide	1310-58-3	5%	0.00391%
			Potassium Metaborate	13709-94-9	35%	0.02737%
			Water	7732-18-5	45%	0.03519%
Claymax	Chemplex	Oil Well Treatment	Choline Chloride	67-48-1	70%	0.06481%
			Water	7732-18-5	50%	0.04629%

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: Kiera Staples Title: Environmental Associate

Date: 4/22/2014

E-mail Address: kiera_staples@eogresources.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.