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.
30-015-41226

2. Well Name:
EAGLE 33 G FEDERAL #027

3. Well Number:
027

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:G Lot:G Section:33 Township:17S Range:27E
Feet from:2310 N/S Line:N
Feet from:2310 E/W Line:E

5. Bottom Hole Location:
Unit:G Lot:G Section:33 Township:17S Range:27E
Feet from:2310 N/S Line:N
Feet from:2310 E/W Line:E

6. latitude: 32.791584 longitude: -104.282486

7. County:
Eddy

8. Operator Name and Address:
LIME ROCK RESOURCES II-A, L.P.
1111 Bagby Street
Suite 4600
Houston 77002

9. OGRID: 277558

10. Phone Number: 713-292-9517

11. Last Fracture Date: 8/16/2016 Frac Performed by: CUDD

12. Production Type:
O

13. Pool Code(s):
51120

14. Gross Fractured Interval:
2,870 ft to 4,530 ft

15. True Vertical Depth (TVD):
4,600 ft

16. Total Volume of Fluid Pumped:
306,812 gals

17. Total Volume of Re-Use Water Pumped:
306,812 gals

18. Percent of Re-Use Water in Fluid Pumped:
100%

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%	89.49898%
Sand		Proppant	Silicon Dioxide	14808-60-7	100%	9.89699%
B-15	Brenntag	Biocide	Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8	20%	0.00172%
			Water	7732-18-5	80%	0.00687%
B-24	Lubrizol	Biocide	2,2 Dibromo-3-Nitrilopropionamide	10222-01-2	100%	0.00098%
FR-601	SNF	Friction Reducer	Copolymer of acrylamide and sodium acrylate	25987-30-8	10%	0.00986%
			Isoparaffinic Solvent	64742-47-8	10%	0.00986%
			Water	7732-18-5	60%	0.05918%
			Nonylphenol	9016-45-9	10%	0.00986%
			Sorbitan Monooleate	1338-43-8	10%	0.00986%
15% Hydrochloric Acid	Reagent	Scale Dissolver	37% Hydrochloric Acid	7647-01-0	15%	0.07055%
			Water	7732-18-5	85%	0.39978%
I-112	Chemplex,L.C.	Acid Corrosion Inhibitor	Methanol	67-56-1	49.6%	0.00036%
			Propargyl Alcohol	107-19-7	4%	3E-05%
NE-227	PfP Technology	Non-emulsifier	Mixture of surfactants & copolytmers	Proprietary	10%	6E-05%
			Propylene Glycol	57-55-6	10%	6E-05%
			Water	7732-18-5	80%	0.00045%
FE-6	Rockwater	Iron Control Additive	Acetic Acid	Mixture	85%	0.0021%
			Methanol	67-56-1	5%	0.00012%
SI-625	Multiple Suppliers	Scale Inhibitor	Methanol	67-56-1	19.9%	0.00433%

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: Mike Pippin Title: Consultant

Date: 8/27/2016

E-mail Address: mike@pippinllc.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.