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. 30-025-43663
2. Well Name: ORRTANNA 20 FEDERAL #703H
3. Well Number: 703H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:N Lot:N Section:20 Township:26S Range:33E
Feet from:221 N/S Line:S
Feet from:1969 E/W Line:W

5. Bottom Hole Location:
Unit:N Lot:N Section:20 Township:26S Range:33E
Feet from:221 N/S Line:S
Feet from:1969 E/W Line:W

6. latitude: 32.0223728 longitude: -103.5964564

7. County: Lea

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: 7/10/2017 Frac Performed by: BJ Services

12. Production Type: O

13. Pool Code(s): 98097

14. Gross Fractured Interval: 12,531 ft to 17,014 ft

15. True Vertical Depth (TVD): 12,531 ft

16. Total Volume of Fluid Pumped: 12,013,470 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%	89.06691%
Sand	EOG	Proppant	Crystalline Silica	14808-60-7	100%	10.79941%
Aquacide 12:3	Silverback	Biocide	Glutaraldehyde	111-30-8	20%	0.00485%
			Didecyldimethylammonium Chloride	7173-51-5	3%	0.00073%
			Quaternary ammonium compounds, Benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	3%	0.00073%
			Other Components	000-00-0	90%	0.02184%
SI-240W	Silverback	Scale Inhibitor	Phosponic Acid	13598-36-2	30%	0.00476%
			Methanol	67-56-1	40%	0.00635%
FR-300	Silverback	Friction Reducer	Petroleum Distillates, hydrotreated light	64742-47-8	28%	0.02619%

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: 11/21/2017

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.