# 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

**HYDRAULIC FRACTURING FLUID DISCLOSURE**

☒ Original

☐ Amendment

| | |
|---|---|
| 1. WELL API NO. | 30-025-43219 |
| 2. Well Name: | LOMAS ROJAS 26 STATE COM #706H |
| 3. Well Number: | 706H |

4. Surface Hole Location:
Unit:C  Lot:C  Section:26   Township:25S   Range:33E
Feet from:807   N/S Line:N
Feet from:1776   E/W Line:W

5. Bottom Hole Location:
Unit:C  Lot:C  Section:26   Township:25S   Range:33E
Feet from:807   N/S Line:N
Feet from:1776   E/W Line:W

6. latitude: 32.1064327   longitude: -103.5454528

7. County: Lea

| 8. Operator Name and Address: | 9. OGRID: 7377 | 10. Phone Number: 432-686-3689 |
|---|---|---|
| EOG RESOURCES INC<br>P.O. Box 2267<br>Midland 79702 | | |

11. Last Fracture Date: 9/4/2016   Frac Performed by: Keane Group

12. Production Type: O

13. Pool Code(s): 98094

14. Gross Fractured Interval: 13,240 ft to 17,555 ft

15. True Vertical Depth (TVD): 12,749 ft

16. Total Volume of Fluid Pumped: 8,578,896 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% | 87.68274% |
| Sand | EOG | Proppant | Crystalline Silica | 14808-60-7 | 100% | 11.93114% |
| Hydrochloric Acid | EOG | Acid | Hydrochloric Acid | 7647-01-0 | 7.5% | 0.0197% |
| | | | Water | 7732-18-5 | 100% | 0.26265% |
| Ecopol-Feac | Economy | Iron Control | Acetic Acid | 64-19-7 | 60% | 0.00035% |
| | | | Citric Acid | 77-92-9 | 30% | 0.00017% |
| | | | Water | 7732-18-5 | 60% | 0.00035% |
| Econo-Cl200 | Economy | Corrosion Inhibitor | Methanol | 67-56-1 | 80% | 0.00022% |
| | | | Fatty Acids | Proprietary | 20% | 6E-05% |
| ScaleCease 7029 | Innospec | Phosphonate Scale Inhibitor | Ammonium Chloride | 12125-02-9 | 2.6% | 0.00064% |
| | | | Aminophosponate Salt | Proprietary | 14% | 0.00346% |
| MBC-516 | Keane | Biocide | Proprietary | Proprietary | 56.72% | 0.01692% |
| | | | Glutaral | 111-30-8 | 26.7% | 0.00797% |
| | | | Didecyldimethylammonium Chloride | 7173-51-5 | 7.97% | 0.00238% |
| | | | Quaternary ammonium compouds, bezyl-C-12-16-alkyldimethyl, chlorides | 68424-85-1 | 5.31% | 0.00158% |
| | | | Ethanol | 64-17-5 | 2.8% | 0.00084% |
| HiRate Plus | Innospec | Friction Reducer | Distillates (petroleum), hydrotreated light | 64742-47-8 | 30% | 0.01955% |
| | | | Alcohols, C12-16, ethoxylated | 68551-12-2 | 4.99% | 0.00325% |
| | | | Alcohols, C10-16, ethoxylated | 68002-97-1 | 4.99% | 0.00325% |
| | | | Alcohols, C12-14 (even numbered), ethoxylated | 68439-50-9 | 4.99% | 0.00325% |
| HiRate 680 | Innospec | Anionic Friction Reducer | Aliphatic Hydrocarbon | Trade Secret | 30% | 0.00086% |
| | | | Alcohols, C12-16, ethoxylated | 68551-12-2 | 5% | 0.00014% |
| KFR-17 | Keane | Friction Reducer | Distillates (petroleum), hydrotreated light | 64742-47-8 | 45% | 0.00152% |
| | | | Ethanediol | 107-21-1 | 10% | 0.00034% |
| | | | Alcohols, C12-16, ethoxylated propoxylated | 68213-24-1 | 2% | 7E-05% |
| | | | Fatty alcohols ethoxylated | Proprietary | 2% | 7E-05% |

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: 9/23/2016

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.