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.
30-021-20651

2. Well Name:
EBELL 2027 #251

3. Well Number:
251

## HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ **Original**

☐ **Amendment**

4. Surface Hole Location:
Unit:F Lot:F Section:25 Township:20N Range:27E
Feet from:1664 N/S Line:N
Feet from:1660 E/W Line:W

5. Bottom Hole Location:
Unit:F Lot:F Section:25 Township:20N Range:27E
Feet from:1664 N/S Line:N
Feet from:1660 E/W Line:W

6. latitude: 0 longitude: 0

7. County:
Harding

8. Operator Name and Address:
WHITING OIL AND GAS CORPORATION
400 W. Illinois
Midland 79701

9. OGRID: 25078

10. Phone Number: 432-686-6709

11. Last Fracture Date: 10/22/2014 Frac Performed by: Cudd Energy Services

12. Production Type:
C

13. Pool Code(s):
96010

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
3,800 ft

16. Total Volume of Fluid Pumped:
13,405 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 | | Carrier / Base Fluid | | 7732-18-5 | 100% | 56.7135% |
| Sinterlite (Proppant) | Sintex Minerals & Services | Proppant | Bauxite | 1318-1607 | 100% | 15.81339% |
| CS-16 | Benchmark | Clay Control | Tetramethylammonium chloride | 75-57-0 | 60% | 0.02062% |
| | | | Water | 7732-18-5 | 60% | 0.02062% |
| SG-15G | PfP Technology | Polymer | Guar Gum | 9000-30-0 | 50% | 0.32931% |
| | | | Petroleum Distillate (Mineral Oil) | 64742-47-8 | 55% | 0.36225% |
| | | | Bentonite Clay | 14808-60-7 | 2% | 0.01317% |
| | | | Surfactant | 68439-51-0 | 2% | 0.01317% |
| EGB-16HT | Fritz Industries, Inc. | Breaker | Ammonium Persulfate | 7727-54-0 | 99.9% | 0.01015% |
| | | | Silica, Crystalline-Quartz | 14808-60-7 | 10% | 0.00102% |
| EMS-44+ | CESI | Non-emulsifier | Isopropanol | 67-63-0 | 20% | 0.02066% |
| | | | Cyclohexenes | 5989-27-5 | 30% | 0.03099% |
| | | | Alcohols | Proprietary | 30% | 0.03099% |
| | | | Alkyl Alkoxylate | Proprietary | 30% | 0.03099% |
| FA-510 | Chemplex, L.C. | Foaming Agent | Ethanol | 64-17-5 | 30% | 0.03795% |
| | | | Isopropanol | 67-63-0 | 20% | 0.0253% |
| | | | Ammonium Alcohol Ether Sulfate | 68187-17-7 | 30% | 0.03795% |
| LGB-14 | CESI | Enzyme Gel Breaker | Enzyme Protein | NA | 100% | 0.01295% |
| MSI-6 | National Petrochem | Scale Inhibitor | Isopropyl Alcohol | 67-63-0 | 20% | 0.00681% |
| | | | Water | 7732-18-5 | 80% | 0.02725% |
| | | | Phosphonic Acid | 35657-77-3 | 100% | 0.03406% |
| Petro-Flo | Bio-Cide International, Inc. | Biocide | Sodium Chlorite | 7758-19-2 | 8.35% | 0.00268% |
| | | | Sodium Chloride | 7647-14-5 | 1% | 0.00032% |
| | | | Sodium Carbonate | 497-19-8 | 2% | 0.00064% |
| | | | Sodium Hydroxide | 1310-73-2 | 1% | 0.00032% |
| | | | Water | 7732-18-5 | 90% | 0.02879% |
| Carbon Dioxide | Various | Foaming Agent | Carbon Dioxide | 124-38-9 | 100% | 26.46119% |

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: Kay Maddox Title: Regulatory Agent

Date: 11/20/2014

E-mail Address: kay.maddox@whiting.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.