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 February 15, 2012

1. WELL API NO.
30-015-04214

2. Well Name:
JENKINS B FEDERAL #001

3. Well Number:
001

## HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:E Lot:E Section:20 Township:17S Range:30E
Feet from:1650 N/S Line:N
Feet from:330 E/W Line:W

5. Bottom Hole Location:
Unit:E Lot:E Section:20 Township:17S Range:30E
Feet from:1650 N/S Line:N
Feet from:330 E/W Line:W

6. latitude: 32.8228260106912 longitude: -104.001683925083

7. County:
Eddy

8. Operator Name and Address:
COG OPERATING LLC
One Concho Center
600 W. Illinois Ave
Midland 79701

9. OGRID: 229137

10. Phone Number: 432-685-4332

11. Last Fracture Date: 7/19/2013 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
28509

14. Gross Fractured Interval:
3,818 ft to 4,100 ft

15. True Vertical Depth (TVD):
4,788 ft

16. Total Volume of Fluid Pumped:
99,016 gals

17. **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) |
|---|---|---|---|---|---|---|
| Fresh Water | Operator | Base Fluid | Water | 7732-18-5 | 100% | 83.21382% |
| HYDROCHLORIC ACID 15% | Halliburton | Acid | Hydrochloric acid | 7647-01-0 | 15% | 0.36353% |
| LOSURF-360 | Halliburton | Surfactant | Poly(oxy-1,2-ethanediyl),.alpha.-isodecyl-.omega.-hydroxy | 61827-42-7 | 30% | 0.02666% |
| | | | Complex Alkylamine | Confidential Business Information | 5% | 0.00444% |
| SAND - PREMIUM BROWN | Halliburton | Proppant | Crystalline silica, quartz | 14808-60-7 | 100% | 11.13828% |
| CRC SAND | Halliburton | Proppant | Crystalline silica, quartz | 14808-60-7 | 100% | 2.59654% |
| | | | Hexamethylenetetramine | 100-97-0 | 2% | 0.05193% |
| | | | Phenol / formaldehyde resin | 9003-35-4 | 5% | 0.12983% |
| BE-7™ | Halliburton | Biocide | Sodium hydroxide | 1310-73-2 | 2% | 0.00083% |
| | | | Sodium hypochlorite | 7681-52-9 | 30% | 0.01241% |
| SUPERSET W | Halliburton | Activator | Methanol | 67-56-1 | 60% | 0.04085% |
| | | | Ethoxylated nonylphenol | Confidential Business Information | 60% | 0.04085% |
| HpH BREAKER | Halliburton | Breaker | Sodium chloride | 7647-14-5 | 30% | 0.00028% |
| BC-140 X2 | Halliburton | Initiator | Ethylene glycol | 107-21-1 | 30% | 0.04151% |
| | | | Monoethanolamine borate | 26038-87-9 | 100% | 0.13836% |
| CLA-WEB™ | Halliburton | Additive | Ammonium salt | Confidential Business Information | 60% | 0.01386% |
| BE-6 MICROBIOCIDE | Halliburton | Biocide | 2-Bromo-2-nitro-1,3-propanediol | 52-51-7 | 100% | 0.00182% |
| WG-36 GELLING AGENT | Halliburton | Gelling Agent | Guar gum | 9000-30-0 | 100% | 0.1957% |
| OPTIFLO-HTE | Halliburton | Breaker | Crystalline silica, quartz | 14808-60-7 | 30% | 0.00424% |
| | | | Walnut hulls | Mixture | 100% | 0.01412% |
| Scalechek® SCP-2 Scale Inhibitor | Halliburton | Scale Preventer | Glassy calcium magnesium phosphate | 65997-17-3 | 100% | 0.05548% |

18. 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: Chasity Jackson Title: Regulatory Analyst

Date: 10/17/2013

E-mail Address: cjackson@conchoresources.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.