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 8, 2013

## HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

1. WELL API NO.
30-045-33319

2. Well Name:
BONANZA COM #002B

3. Well Number:
002B

4. Surface Hole Location:
Unit F Lot F Section 24 Township 23N Range 11W
Feet from 1650 N/S Line N
Feet from 1500 E/W Line W

5. Bottom Hole Location:
Unit F Lot F Section 24 Township 23N Range 11W
Feet from 1500 N/S Line N
Feet from 1500 E/W Line W

6. Latitude 36.214414536597 Longitude -107.960221007324

7. County:
San Juan

8. Operator Name and Address:
DUGAN PRODUCTION CORP
PO BOX 420
FARMINGTON 87499

9. OGRID: 6515

10. Phone Number:

11. Last Fracture Date: 5/6/2015 Frac Performed by: Baker Hughes

12. Production Type:
O

13. Pool Code(s):
71629

14. Gross Fractured Interval:
5274 ft to 5762 ft

15. True Vertical Depth (TVD):
670 ft

16. Total Water Volume Pumped:
62,417 gals

17. Total Volume of Re-use Water Pumped:
%

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

## 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 | Dugan Production Corp. | Water | Water | 7732-18-5 | 100% | 62.5378% |
| Alpha 1427 | Baker Hughes | Biocide | Listed with Chemicals in Ingredients | N/A | 0% | 0.0599% |
| GBW-5 | Baker Hughes | Breaker | Listed with Chemicals in Ingredients | N/A | 0% | 0.0017% |
| Enzyme G-I | Baker Hughes | Breaker | Listed with Chemicals in Ingredients | N/A | 0% | 0.0671% |
| High Perm CRB | Baker Hughes | Breaker | Listed with Chemicals in Ingredients | N/A | 0% | 0.0066% |
| High Perm CRB-1 | Baker Hughes | Breaker | Listed with Chemicals in Ingredients | N/A | 0% | 0.0017% |
| BF-7L | Baker Hughes | Buffer | Listed with Chemicals in Ingredients | N/A | 0% | 0.1020% |
| ClayCare, ClayTreat 2C, 330 gl tote | Baker Hughes | Clay Control | Listed with Chemicals in Ingredients | N/A | 0% | 0.0995% |
| CorrSorb 9000, 25 lb pail | Baker Hughes | Corrosion Inhibitor | Listed with Chemicals in Ingredients | N/A | 0% | 0.0342% |
| XLW-32 | Baker Hughes | Crosslinker | Listed with Chemicals in Ingredients | N/A | 0% | 0.0582% |
| FAW-22 | Baker Hughes | Foamer | Listed with Chemicals in Ingredients | N/A | 0% | 0.3154% |
| GW-3LDF | Baker Hughes | Gelling Agent | Listed with Chemicals in Ingredients | N/A | 0% | 0.3933% |
| Nitrogen | Baker Hughes | Nitrogen | Listed with Chemicals in Ingredients | N/A | 0% | 5.3057% |
| Sand, Brown, 20/40 | Baker Hughes | Proppant | Listed with Chemicals in Ingredients | N/A | 0% | 30.5122% |
| ScaleSorb 3 (25# pail) | Baker Hughes | Scale Inhibitor | Listed with Chemicals in Ingredients | N/A | 0% | 0.0342% |
| GeoFlo G, 330 gal tote | Baker Hughes | Surfactant | Listed with Chemicals in Ingredients | N/A | 0% | 0.0769% |
| Chemical Ingredients | Baker Hughes | Treatment System | 1,2-Ethanediyl-propanol | 6131-66-8 | 5% | 0.019541% |
| | | | 2-Butoxy-1-propanol | 15821-83-7 | 0.1% | 0.000391% |
| | | | Acid Phosphate Ester | 9046-01-9 | 10% | 0.003906% |
| | | | Alcohols, ethoxylated | 68551-12-2 | 10% | 0.007639% |
| | | | Ammonium Chloride | 68155-39-5 | 5% | 0.003819% |
| | | | Amine, tallowalkyl, ethoxylated | 61791-26-2 | 5% | 0.0095297% |
| | | | Amino Trimethylene Phosphonic Acid | 6419-19-8 | 25% | 0.0095297% |
| | | | Ammonium Alkyl Ether Sulfate | 76330-26-4 | 10% | 0.031341% |
| | | | Ammonium Persulphate | 7727-54-0 | 100% | 0.011656% |
| | | | Boric Acid (H3BO3) | 10043-35-3 | 30% | 0.017344% |
| | | | Choline Chloride | 67-48-1 | 75% | 0.014163% |
| | | | Crystalline Silica (Quartz) | 14464-46-1 | 1% | 0.00034% |
| | | | Crystalline Silica (Quartz) | 14808-60-7 | 100% | 30.3300316% |
| | | | Crystalline Silica (Quartz) | 14808-60-7 | 5% | 0.019662% |
| | | | Crystalline Silica (Quartz) | 14808-60-7 | 10% | 0.00017% |
| | | | Diatomaceous Earth, Calcined | 91053-39-3 | 100% | 0.059216% |
| | | | Dibecyl Dimethyl Ammonium Chloride | 7173-51-5 | 10% | 0.005956% |
| | | | Ethanol | 64-17-5 | 1% | 0.00031% |
| | | | Ethoxylated Alcohol | 68439-46-3 | 1% | 0.000391% |
| | | | Ethylene Glycol | 107-21-1 | 1% | 0.000341% |
| | | | Fatty Amide Derivative | 70851-09-9 | 1% | 0.000134% |
| | | | Formaldehyde | 50-00-0 | 1% | 0.00013% |
| | | | Glutaraldehyde | 111-30-8 | 30% | 0.031341% |
| | | | Guar Gum | 9000-30-0 | 50% | 0.04687% |
| | | | Hemicellulase Enzyme Concentrate | 9025-56-3 | 3% | 0.002% |
| | | | Hydrated Magnesium Silicate | 14807-96-6 | 1% | 8.5E-05% |
| | | | Hydrated Magnesium Silicate | 14807-96-6 | 1% | 1.7E-05% |
| | | | Isopropanol | 67-63-0 | 30% | 0.094022% |
| | | | Isotridecanol, ethoxylated | 9043-30-5 | 5% | 0.019541% |
| | | | Methanol | 67-56-1 | 60% | 0.057522% |
| | | | Mineral Oil Base | 64742-47-8 | 30% | 0.127228% |
| | | | Mineral Oil | 8042-47-5 | 70% | 0.273515% |
| | | | Nitrogen | 7727-37-9 | 100% | 5.272511% |
| | | | Paraffinic Petroleum Distillate | 64742-55-8 | 30% | 0.117242% |
| | | | Phosphonic Acid | 13598-36-2 | 1% | 0.00034% |
| | | | Phosphonic Acid | 7664-38-2 | 1% | 0.00034% |
| | | | Poly (Tetrafluoroethylene) | 9002-84-0 | 0.5% | 4.3E-05% |
| | | | Poly (Tetrafluoroethylene) | 9002-84-0 | 1% | 1.7E-05% |
| | | | Polyethylene glycol nonylphenyl ether | 9016-45-9 | 15% | 0.011455% |
| | | | Polyoxyalkylenes | 78330-21-9 | 1% | 0.00034% |
| | | | Potassium Carbonate | 584-08-7 | 60% | 0.067329% |
| | | | Potassium Hydroxide | 1310-58-3 | 1% | 0.00021% |
| | | | Quaternary Ammonium Chloride | 61789-71-7 | 30% | 0.01021% |
| | | | Quaternary Ammonium Compound | 68424-85-1 | 5% | 0.002979% |
| | | | Sodium Chloride | 7647-14-5 | 1% | 0.00031% |
| | | | Sodium Sulfate | 7757-82-6 | 1% | 0.00031% |
| | | | Sodium Sulfonate | 68439-57-6 | 30% | 0.009452% |
| | | | Sulfuric acid, monodecyl ester, sodium salt (1:1) | 142-87-0 | 5% | 0.01567% |
| | | | Sulfuric acid, monodecyl ester, sodium salt (1:1) | 2207-98-9 | 1% | 0.00031% |
| | | | Sulfuric acid, monotridecyl ester, sodium salt (1:1) | 142-31-4 | 5% | 0.01567% |
| | | | Thiourea Polymer | 68527-49-1 | 1% | 0.00034% |
| | | | Vinylidene Chloride-Methyl Acrylate Polymer | 25038-72-6 | 25% | 0.002127% |
| | | | Vinylidene chloride-methyl acrylate polymer | 25038-72-6 | 20% | 0.00034% |
| | | | Water | 7732-18-5 | 87% | 0.409516% |

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: Tyra M Fast Title: ENGINEERING ASSISTANT

Date: 6/15/2015

E-mail Address: tyrafast@duganproduction.com

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