| Submit within 45 days of well of | completion | State of New Mexico | | | | Revised November 6, 2013 | | |
|---|----------------------------|--------------------------------------|--|-------------------------------|-----------------|--|--|--|
| 1 | | | | | | 1. WELL API NO. 30-045-35409 | | |
| | | Energy, Minerals and Natural Resou | | | urces | 2. Well Name: | | |
| | | ••• | | | | PGA UNIT 35 #003 | | |
| Oil Conservation Division | | | | | | 3. Well Number: 003 | | |
| 1220 S. St Francis Dr. | | | | | | 000 | | |
| | | | | | | | | |
| Santa Fe, NM 87505 | | | | | | | | |
| HYDRAULIC FRACTURING FLUID 4. Surface Hole Location: | | | | | | | | |
| DISCLOSURE | | | | | | Unit:N Lot:N Section:35 Feet from:1100 | Township:24N Range:11W N/S Line:S | |
| DIOCEOGONE | | | | | | Feet from:1700 | E/W Line:W | |
| ⊠ Original | | | | | | 5. Bottom Hole Location: | T 1: 24N D 44W | |
| □ Amendment | | | | | | Unit:N Lot:N Section:35 Feet from:1100 | Township:24N Range:11W N/S Line:S | |
| | | | | | | Feet from:1700 | E/W Line:W | |
| | | | | | | 6. latitude: 36.2658463 | longitude: -107.9756241 | |
| | | | | | | 7. County: | -107.9730241 | |
| | | | | | | San Juan | | |
| 8. Operator Name and Address: 9 OGRID- | | | | | | 6515 10. Phone Numb | er: 505-325-1821 | |
| DUGAN PRODUC | TION CORP | | | | 9. OGRID: | 0010 To. Phone Numb | ar: 505-325-1021 | |
| P O Box 420 | | | | | | | | |
| Farmington 87401 11. Last Fracture Date: 11/15/2017 Frac Performed by: Hallihurton | | | | | | Type: | | |
| 11. Last Fracture Date: 11/15/2017 Frac Performed by: Halliburton | | | | | | G | | |
| · / | | | | | | oss Fractured Interval: 815 ft to 839 ft | | |
| 71629 15. True Vertical Depth (TVD): | | | | | | 815 ft to 839 ft al Volume of Fluid Pumped: | | |
| 1,025 ft | | | | | 41, | 41,335 gals | | |
| 17. Total Volume of Re-Use Wa 0 gals | | 18. Percent of % | | Re-Use Water in Fluid Pumped: | | | | |
| • | COMPOS | ITION AND CONCENTRA | ATION: | | 70 | | | |
| Trade Name | Supplier | Purpose | Ingredients | (CAS #) Chem | nical Abstract | Maximum Ingredient | Maximum Ingredient | |
| | | | • | Service # | | Concentration in Additive (% by mass) | | |
| 2% KCL Water | Operator | Base Fluid | Water | 7732-18-5 | | 989 | | |
| BC-140 | Halliburton | Crosslinker | Listed Below | Listed Belov | W | 09 | 6 0% | |
| Cla-Web (TM) | Halliburton | Additive | Listed Below | Listed Below | | 0% | | |
| GBW-30 Breaker | Halliburton | | Listed Below | Listed Below | | 09 | | |
| HC-2 LOSURF-300D | Halliburton Halliburton | | Listed Below t Listed Below | Listed Below Listed Below | | 09 | | |
| Nitrogen Liquefied | Halliburton | | Listed Below | Listed Below | | 09 | | |
| OPTIFLO-HTE | Halliburton | Breaker | Listed Below | Listed Below | | 09 | | |
| Sand-Premium White- | Halliburton | Proppant | Listed Below | Listed Belov | N | 09 | 6 0% | |
| 20/40, Bulk | I I a II i la conta na | Calling Agant | Listed Delaw | Listed Dale | | 00 | / 00/ | |
| WG-35 Gelling Agent Corrosorb | Halliburton Baker Hugh | | Listed Below Listed Below | Listed Below Listed Below | | 09 | | |
| Scalesorb | Baker Hugh | | Listed Below | Listed Below | | 09 | | |
| Ingredients | Listed Abov | | 1,2,4 Trimethylbenzene | | | 19 | 6 1E-05% | |
| | | | Amine salts | Proprietary | | 0.19 | | |
| | | | C.I. Pigment Red 5 | 6410-41-9 | | 19 | | |
| | | | Crystalline silica, quartz Cured acrylic resin | 14808-60-7 Proprietary | | 30% | | |
| | | | Enzyme | Proprietary | | 59 | | |
| | | | Ethanol | 64-17-5 | | 60% | | |
| | | | Ethylene glycol | 107-21-1 | | 30% | | |
| | | | Glycerine | 56-81-5 | | 59 | | |
| | | | Guar gum Heavy aromatic | 9000-30-0 64742-94-5 | | 1009 | | |
| | | | petroleum naphtha | 04742-34-0 | | 307 | 0.0002170 | |
| | | | Hemicellulase enzyme | 9012-54-8 | | 30% | | |
| | | | Hydroxyalkylammonium | Proprietary | | 609 | 6 0.00052% | |
| | | | chloride Inner salt of alkyl | Proprietary | | 30% | 6 0.00158% | |
| | | | amines | rioprictary | | 307 | 0.0010070 | |
| | | | Lactose | 63-42-3 | | 1009 | | |
| | | | Monoethanolamine | 26038-87-9 | | 60% | 6 0.00227% | |
| | | | borate Napthalene | 91-20-3 | | 59 | 6 4E-05% | |
| | | | Nitrogen | 7727-37-9 | | 1009 | | |
| | | | Oxylated phenolic resin | | | 30% | | |
| | | | Poly(oxy-1,2- | 127087-87- | 0 | 5% | 6 4E-05% | |
| | | | ethanediyl), alpha-(4- nonylphenyl)-omega- | | | | | |
| | | | hydroxy-,branched | | | | | |
| | | | Potassium chloride | 7447-40-7 | | 20 | | |
| | | | Quaternary amine | Proprietary | | 5% | | |
| | | | Sodium chloride | 7647-14-5 | niano d | 309 | | |
| | | | Walnut hulls Water | CAS not ass 7732-18-5 | signed | 1009 | | |
| 20. I, as Operator, hereby certify | that the inforn | nation shown on this disclosure forn | | | edge and belief | | <u>, </u> | |
| Signature: Signed Electronically Printed Name: Tyra M Feil ENGINEERING | | | | | | | | |
| Title: ASSISTANT | | | | | | | | |

Date: 11/16/2017
E-mail Address: tyrafeil@duganproduction.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.