

| | | | | | | | | | |
|--|--|---|--|--|--|--|------------------------------------|--|--|
| 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. 30-015-39914 | | | | | | | |
| | | 2. Well Name: LUCKY BAMBOO 5 FEDERAL #003H | | | | | | | |
| | | 3. Well Number: 003H | | | | | | | |
| HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment | | 4. Surface Hole Location: Unit:N Lot:N Section:5 Township:26S Range:26E Feet from:660 N/S Line:S Feet from:2080 E/W Line:W | | | | | | | |
| | | 5. Bottom Hole Location: Unit:C Lot:C Section:5 Township:26S Range:26E Feet from:745 N/S Line:N Feet from:1990 E/W Line:W | | | | | | | |
| | | 6. Latitude: 32.0663172816658 Longitude: - 104.316888054255 | | | | | | | |
| | | 7. County: Eddy | | | | | | | |
| | | | | | | | | | |
| 8. Operator Name and Address: COG OPERATING LLC 550 W TEXAS SUITE 1300 MIDLAND 79701 | | | | 9. OGRID: 229137 | | 10. Phone Number: | | | |
| 11. Last Fracture Date: 6/16/2012 Frac Performed by: Halliburton | | | | 12. Production Type: G | | | | | |
| 13. Pool Code(s): 97766 | | | | 14. Gross Fractured Interval: 9,550 ft to 13,040 ft | | | | | |
| 15. True Vertical Depth (TVD): 9,338 ft | | | | 16. Total Volume of Fluid Pumped: 20,563 bbls | | | | | |
| 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 | | | | 100% | 86.55717% | | | |
| HYDROCHLORIC ACID 10-30% | Halliburton | Solvent | Hydrochloric acid | 7647-01-0 | 30% | 1.51889% | | | |
| SSA-2 | Halliburton | Proppant | Crystalline silica, quartz | 14808-60-7 | 100% | 0.5071% | | | |
| 30/50 CRC Premium | Halliburton | Proppant | Crystalline silica, quartz | 14808-60-7 | 100% | 10.79935% | | | |
| | | | Hexamethylenetetramine | 100-97-0 | 2% | 0.21599% | | | |
| | | | Phenol / formaldehyde resin | 9003-35-4 | 5% | 0.53997% | | | |
| CL-22 UC | Halliburton | Crosslinker | Potassium formate | 590-29-4 | 60% | 0.05361% | | | |
| CL-31 CROSSLINKER | Halliburton | Crosslinker | Potassium hydroxide | 1310-58-3 | 5% | 0.00159% | | | |
| | | | Potassium metaborate | 13709-94-9 | 60% | 0.01914% | | | |
| FR-38 | Halliburton | Friction Reducer | Acetic acid | 64-19-7 | 5% | 0.00057% | | | |
| | | | Ammonium sulfate Inorganic Salt | Confidential Business Information | 30% | 0.00343% | | | |
| CLA-STA XP ADDITIVE | Halliburton | Clay Stabilizer | Polyepichlorohydrin, trimethyl amine quaternized | 51838-31-4 | 60% | 0.01562% | | | |
| CLA-WEB™ | Halliburton | Additive | Ammonium salt | Confidential Business Information | 50% | 0.02546% | | | |
| D-AIR 3000L | Halliburton | Defoamer | Alkenes | Confidential Business Information | 100% | 0.01318% | | | |
| | | | Silica, amorphous precipitated | 67762-90-7 | 30% | 0.00395% | | | |
| BE-9 | Halliburton | Biocide | Tributyl tetradecyl phosphonium chloride | 81741-28-8 | 10% | 0.00417% | | | |
| LoSurf-300D | Halliburton | Non-ionic Surfactant | 1,2,4 Trimethylbenzene | 95-63-6 | 1% | 0.00081% | | | |
| | | | Ethanol | 64-17-5 | 60% | 0.04842% | | | |
| | | | Heavy aromatic petroleum naphtha | 64742-94-5 | 30% | 0.02421% | | | |
| | | | Naphthalene | 91-20-3 | 5% | 0.00404% | | | |
| | | | Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched | 127087-87-0 | 5% | 0.00404% | | | |
| MO-67 | Halliburton | pH Control Additive | Sodium hydroxide | 1310-73-2 | 30% | 0.00744% | | | |
| 3rd Party Scale Inhibitor | Operator | *3rd Party Additive | *Supplied by Operator | | 100% | 0.003% | | | |
| OPTIFLO-III DELAYED RELEASE BREAKER | Halliburton | Breaker | Ammonium persulfate | 7727-54-0 | 100% | 0.00902% | | | |
| | | | Crystalline silica, quartz | 14808-60-7 | 30% | 0.00271% | | | |
| OptiKleen-WF™ | Halliburton | Concentrate | Sodium perborate tetrahydrate | 10486-00-7 | 100% | 0.00106% | | | |
| Scalechek® SCP-2 Scale Inhibitor | Halliburton | Scale Preventer | Glassy calcium magnesium phosphate | 65997-17-3 | 100% | 0.01805% | | | |
| WG-36 GELLING AGENT | Halliburton | Gelling Agent | Guar gum | 9000-30-0 | 100% | 0.21632% | | | |
| Ingredients Listed Below This Line Are Part of the | | | Acrylamide copolymer | Proprietary | 0% | 0% | | | |
| | | | Acrylate Polymer | Confidential Business Information | 0% | 0% | | | |
| | | | Amine Salt | Confidential Business Information | 0% | 0% | | | |
| | | | Amine Salts | Confidential Business Information | 0% | 0% | | | |
| | | | Amine Salts | Confidential Business Information | 0% | 0% | | | |
| | | | Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex | 121888-68-4 | 0% | 0% | | | |
| | | | Borate salts | Confidential Business Information | 0% | 0% | | | |
| | | | Crystalline silica, quartz | 14808-60-7 | 0% | 0% | | | |
| | | | Cured Acrylic Resin | Confidential Business Information | 0% | 0% | | | |
| | | | Defoamer | Proprietary | 0% | 0% | | | |
| | | | Glycerine | 56-81-5 | 0% | 0% | | | |
| | | | Modified acrylamide copolymer | Proprietary | 0% | 0% | | | |
| | | | Modified acrylate polymer | Proprietary | 0% | 0% | | | |
| | | | Oxyalkylated Phenolic Resin | Confidential Business Information | 0% | 0% | | | |
| | | | Oxyalkylated Phenolic Resin | Confidential Business Information | 0% | 0% | | | |
| | | | Polypropylene glycol | 25322-69-4 | 0% | 0% | | | |
| | | | Quaternary Amine | Confidential Business Information | 0% | 0% | | | |
| | | | Quaternary Amine | Confidential Business Information | 0% | 0% | | | |
| | | | Quaternary Amine | Confidential Business Information | 0% | 0% | | | |
| | | | Silica gel | 112926-00-8 | 0% | 0% | | | |
| | | | Silica, amorphous - fumed | 7631-86-9 | 0% | 0% | | | |
| | | | Sodium acetate | 127-09-3 | 0% | 0% | | | |
| | | | Sodium carboxymethyl cellulose | 9004-32-4 | 0% | 0% | | | |
| | | | Sodium chloride | 7647-14-5 | 0% | 0% | | | |
| | | | Sodium glycollate | 2836-32-0 | 0% | 0% | | | |
| | | | Surfactant Mixture | Confidential Business Information | 0% | 0% | | | |
| | | | Surfactant Mixture | Confidential Business Information | 0% | 0% | | | |
| | | | Trimethylamine, N-oxide | 1184-78-7 | 0% | 0% | | | |
| | | | Water | 7732-18-5 | 0% | 0% | | | |
| | | | 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: Monti Sanders | | Permitting / ROW Title: Technician | | |
| | | | Date: 7/17/2012 | | | | | | |
| E-mail Address: msanders@concho.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. | | | | | | | | | |