| Cubonit within 15 days | amulatia - | | | | | T | Decision Married Control | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------|---------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|--|
| Submit within 45 days of well completion State of New Mexico | | | | | | Revised November 6, 2013 1. WELL API NO. | | |
| Energy, Minerals and Natural Resources | | | | | urces | 30-025-41832 2. Well Name: | | |
| Oil Conservation Division 1220 S. St Francis Dr. | | | | | | Well Name: JAMES 29 FEDERAL #036H 3. Well Number: | | |
| Santa Fe, NM 87505 | | | | | | 036H | | |
| HYDRAULIC FRACTURING FLUID DISCLOSURE | | | | | | Feet from: 185 | Township:23S Range:32E N/S Line:N E/W Line:W | |
| ⊠ Original | | | | | | 5. Bottom Hole Location: | Township:23S Range:32E | |
| □ Amendment | | | | | Feet from:185 N/S Line:N Feet from:1450 E/W Line:W 6. Istitude: longitude: 32.282215213538 -103.700482302: | | | |
| | | | | | | 7. County: Lea | -103.700482302385 | |
| 8. Operator Name and Address: CIMAREX ENERG' 600 N MARIENFEL SUITE 600 MIDLAND 79701 | .D STREET | | | | 9. OGRID: | | one Number: | |
| 11. Last Fracture Date: 1/31/2015 Frac Performed by: Halliburton 13. Pool Code(s): | | | | | 0 | 12. Production Type: O 14. Gross Fractured Interval: | | |
| 53805 15. True Vertical Depth (TVD): | | | | | 9,114 ft to 9,406 ft 18. Total Volume of Fluid Pumped: | | | |
| 9,405 ft 17. Total Volume of Re-Use Water Pumped: | | | | | 6,744,302 gals 18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed | | | |
| N/A 19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION: | | | | | ner an ergenn (* 1917) filifatore et al. ergenn aus | | | |
| Trade Name | Supplier | Purpose | Ingredients | (CAS #) Chemic Service # | cal Abstract | Maximum Ingredient Concentration in Additive (% by mass) | Maximum Ingredient Concentration in HF Fluid (% by mass) | |
| Fresh Water Premium White Sand | Operator Halliburton | Base Fluid Proppant | Fresh Water Crystalline silica, | 7732-18-5 14808-60-7 | | 100% 100% | 89.26413% | |
| PermVis VFR-10 | Halliburton | Friction Reducer | quartz Hydrotreated light | 64742-47-8 | | 30% | 10/45 | |
| | | | petroleum distillate Alcohols, C12-16, | 68551-12-2 | | 10% | | |
| | | | ethoxylated Ammonium chloride | 12125-02-9 | | 10% | G-125-1-0-15 | |
| | | | 9-Octadecenamide, n,n-bis-2(hydroxy- | 93-83-4 | | 5% | | |
| LoSurf-360W | Halliburton | Surfactant | ethyl)-,(Z) Poly | 61827-42-7 | | 30% | 0.01104% | |
| | 56.0000000 | | (oxy-1,2-ethanediyl), .alpha | | | 10000 | 1000000 | |
| | | | Glycerine Complex alkylamine | 56-81-5 Proprietary | | 10% 5% | | |
| OPTIFLO-III DELAYED RELEASE BREAKER | Halliburton | Breaker | Ammonium persulfate | 7727-54-0 | | 100% | 6E-05% | |
| | | | Crystalline silica, quartz | 14808-60-7 | | 30% | 2E-05% | |
| OptiKleen-WF | Halliburton | Concentrate | Sodium perborate tetrahydrate | 10486-00-7 | | 100% | 0.00372% | |
| WG-36 GELLING AGENT SP BREAKER | Halliburton Halliburton | Gelling Agent Breaker | Guar gum Sodium persulfate | 9000-30-0 7775-27-1 | | 100% 100% | | |
| HCL 15% Cronox AK-50 | Petroplex Petroplex | Acid Corrosion Inhibitor | Hydrochloric Acid Oxyalkylated | 7647-01-0 Proprietary | | 15% | 0.00385% | |
| Ciolox Ax-50 | T Caropiex | Son Salon Initiality | Alkylphenol Heavy Aromatic Naptha | 64742-94-5 | | 30% | 200.000.000 | |
| | | | Isopropanol Fatty Acids | 67-63-0 Proprietary | | 30% 10% | | |
| | | | Complex Alkylaryl Polyo-Ester | Proprietary | | 10% | | |
| | | | Tar Bases, Quinoline Derivatives, Benzyl | | | 10% | 0% | |
| | | Iron Control | Chloride-Quaternized Formaldehyde | 50-00-0 Proprietary 107-19-7 | | 10% | | |
| | | | Acetylenic Alcohol Propargyl Alcohol | | | 5% 5% | | |
| Citric Acid | Petroplex | | Napthalene Citric Acid | 91-20-3 77-92-9 | | 5% 100% | | |
| EC9546A | Petroplex | Surfactant | Heavy Aromatic Naptha | 64742-94-5 | | 10% | | |
| | | | Isopropanol Polyethylene Glycol | 67-63-0 25322-68-3 | | 60% 5% | | |
| | | | Napthalene Phosphoric Acid | 91-20-3 Proprietary | | 1% 10% | 0% | |
| | | | Ester Oxyalkylated Alcohol | Proprietary | | 10% | | |
| | | | Oxyalkylated Alkyl Alcohol | Proprietary | | 10% | | |
| CIO2 Non MSDS Ingredients | Bosque | Biocide | Chlorine Dioxide Bentonite, benzyl | 10049-04-4 121888-68-4 | | 100% | | |
| grount | | | (hydrogenated tallow alkyl) | | | 1 | | |
| | | | dimethylammonium stearate complex | | | | | |
| | | | Crystalline Silica, Quartz | 14808-60-7 | | 0% | | |
| | | | Cured acrylic resin Silica gel | Proprietary 112926-00-8 | | 0% 0% | | |
| | | | Sodium sulfate Surfactant mixture | 7757-82-6 Proprietary | | 0% 0% | 0% | |
| 20. I, as Operator, hereby certify the | hat the information shows or | this disclosure form is true | Water | 7732-18-5 | and belief. | 0% | | |
| 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: Skipper Herring Manager Stimulation Title: Operations | | | | | | | | |
| Date: 2/26/2015 | | | | | | | | |
| E-mail Address: Sherring@cimarex.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. | | | | | | | | |
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