

|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     |                                                             |                                           |                                                                      |                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------|
| Submit within 45 days of well completion                                                                                                                                                                                       | State of New Mexico<br>Energy, Minerals and Natural Resources<br>Oil Conservation Division<br>1220 S. St Francis Dr.<br>Santa Fe, NM 87505 | Revised February 15, 2012                                                                                                           |                                                             |                                           |                                                                      |                                                                      |
|                                                                                                                                                                                                                                |                                                                                                                                            | 1. WELL API NO:<br>30-015-39847                                                                                                     |                                                             |                                           |                                                                      |                                                                      |
| <b>HYDRAULIC FRACTURING FLUID DISCLOSURE</b><br><br><input checked="" type="checkbox"/> Original<br><br><input type="checkbox"/> Amendment                                                                                     |                                                                                                                                            | 2. Well Name:<br>PLU PHANTOM BANKS 4 26 31 USA<br>#001H                                                                             |                                                             |                                           |                                                                      |                                                                      |
|                                                                                                                                                                                                                                |                                                                                                                                            | 3. Well Number:<br>001H                                                                                                             |                                                             |                                           |                                                                      |                                                                      |
|                                                                                                                                                                                                                                |                                                                                                                                            | 4. Surface Hole Location:<br>Unit:N Lot:N Section:4 Township:26S Range:31E<br>Feet from:300 N/S Line:S<br>Feet from:2180 E/W Line:W |                                                             |                                           |                                                                      |                                                                      |
|                                                                                                                                                                                                                                |                                                                                                                                            | 5. Bottom Hole Location:<br>Unit:N Lot:N Section:4 Township:26S Range:31E<br>Feet from:300 N/S Line:S<br>Feet from:2180 E/W Line:W  |                                                             |                                           |                                                                      |                                                                      |
|                                                                                                                                                                                                                                |                                                                                                                                            | 6. latitude: 32.0656195500643 longitude: - 103.784788402895                                                                         |                                                             |                                           |                                                                      |                                                                      |
|                                                                                                                                                                                                                                |                                                                                                                                            | 7. County:<br>Eddy                                                                                                                  |                                                             |                                           |                                                                      |                                                                      |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     |                                                             |                                           |                                                                      |                                                                      |
| 8. Operator Name and Address:<br>CHESAPEAKE OPERATING, INC.<br>P.O. Box 18496<br>Oklahoma City 73154                                                                                                                           |                                                                                                                                            |                                                                                                                                     | 9. OGRID:<br>147179                                         |                                           | 10. Phone Number:<br>405-935-3782                                    |                                                                      |
| 11. Last Fracture Date: 6/18/2012 Frac Performed by: TRICAN                                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | 12. Production Type:<br>O                                   |                                           |                                                                      |                                                                      |
| 13. Pool Code(s):<br>97860                                                                                                                                                                                                     |                                                                                                                                            |                                                                                                                                     | 14. Gross Fractured Interval:<br>Confidential               |                                           |                                                                      |                                                                      |
| 15. True Vertical Depth (TVD):<br>8,906 ft                                                                                                                                                                                     |                                                                                                                                            |                                                                                                                                     | 16. Total Volume of Fluid Pumped:<br>62,535 bbls            |                                           |                                                                      |                                                                      |
| 17. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:                                                                                                                                                                             |                                                                                                                                            |                                                                                                                                     |                                                             |                                           |                                                                      |                                                                      |
| Trade Name                                                                                                                                                                                                                     | Supplier                                                                                                                                   | Purpose                                                                                                                             | Ingredients                                                 | ICAS #)<br>Chemical Abstract<br>Service # | Maximum<br>Ingredient<br>Concentration in<br>Additive (% by<br>mass) | Maximum<br>Ingredient<br>Concentration in<br>HF Fluid (% by<br>mass) |
| Fresh Water                                                                                                                                                                                                                    |                                                                                                                                            | Carrier/Base Fluid                                                                                                                  |                                                             |                                           | 0%                                                                   | 87.742%                                                              |
| Ottawa Sand                                                                                                                                                                                                                    |                                                                                                                                            | Proppant                                                                                                                            | Crystalline Silica (Quartz Sand, Silicon Dioxide)           | 014808-60-7                               | 100%                                                                 | 7.57827%                                                             |
| Optiprop G2                                                                                                                                                                                                                    |                                                                                                                                            | Proppant                                                                                                                            | Crystalline Silica (Quartz Sand, Silicon Dioxide)           | 014808-60-7                               | 97%                                                                  | 1.7119%                                                              |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Phenol/Formaldehyde Resin                                   | 009003-35-4                               | 5%                                                                   | 0.08824%                                                             |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Hexamethylenetetramine (Hexamine)                           | 000100-97-0                               | 1%                                                                   | 0.01765%                                                             |
| 100 Mesh Sand                                                                                                                                                                                                                  |                                                                                                                                            | Proppant                                                                                                                            | Crystalline Silica (Quartz Sand, Silicon Dioxide)           | 014808-60-7                               | 100%                                                                 | 1.12021%                                                             |
| 15 hcl                                                                                                                                                                                                                         | TRICAN                                                                                                                                     | Acid                                                                                                                                | Water                                                       | 007732-18-5                               | 85%                                                                  | 0.97737%                                                             |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Hydrochloric Acid                                           | 007647-01-0                               | 15%                                                                  | 0.17248%                                                             |
| FEAC-20                                                                                                                                                                                                                        | TRICAN                                                                                                                                     | Iron Control Agent                                                                                                                  | Acetic acid                                                 | 000064-19-7                               | 50%                                                                  | 0.00313%                                                             |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Citric Acid                                                 | 000077-92-9                               | 30%                                                                  | 0.00188%                                                             |
| AI-9                                                                                                                                                                                                                           | TRICAN                                                                                                                                     | Corrosion Inhibitor                                                                                                                 | Methanol (Methyl Alcohol)                                   | 000067-56-1                               | 60%                                                                  | 0.00223%                                                             |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Ethoxylated Alcohols^ C14-15                                | 068951-67-7                               | 30%                                                                  | 0.00112%                                                             |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Modified Thiourea Polymer                                   | 068527-49-1                               | 30%                                                                  | 0.00112%                                                             |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Propargyl Alcohol (2-Propynol)                              | 000107-19-7                               | 10%                                                                  | 0.00037%                                                             |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Alkenes^ C>10 alpha-                                        | 064743-02-8                               | 5%                                                                   | 0.00019%                                                             |
| ParaSorb                                                                                                                                                                                                                       | BAKER HUGHES                                                                                                                               | Scale Inhibitor                                                                                                                     | Calcined Diatomaceous Earth                                 | 091053-39-3                               | 65%                                                                  | 0.0221%                                                              |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Mineral Oil (Paraffin Oil, White Mineral Oil)               | 008042-47-5                               | 30%                                                                  | 0.0102%                                                              |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Paraffin Inhibitor                                          | N/A                                       | 25%                                                                  | 0.0085%                                                              |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Crystalline Silica (Quartz Sand, Silicon Dioxide)           | 014808-60-7                               | 5%                                                                   | 0.0017%                                                              |
| MC MX 664-5                                                                                                                                                                                                                    | MULTI-CHEM                                                                                                                                 | Surfactant                                                                                                                          | Methanol (Methyl Alcohol)                                   | 000067-56-1                               | 70%                                                                  | 0.06498%                                                             |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Sulfonate                                                   | TRADE SECRET                              | 30%                                                                  | 0.02785%                                                             |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Isopropanol (Isopropyl Alcohol, Propan-2-ol)                | 000067-63-0                               | 5%                                                                   | 0.00464%                                                             |
| MC B 8642 WS                                                                                                                                                                                                                   | MULTI-CHEM                                                                                                                                 | Anti-Bacterial Agent                                                                                                                | Glutaraldehyde (Pentanediol)                                | 000111-30-8                               | 60%                                                                  | 0.01735%                                                             |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Quaternary Ammonium Compound                                | 068424-85-1                               | 10%                                                                  | 0.00289%                                                             |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Ethanol                                                     | 000064-17-5                               | 1%                                                                   | 0.00029%                                                             |
| MC S-2510T (WS)                                                                                                                                                                                                                | MULTI-CHEM                                                                                                                                 | Scale Inhibitor                                                                                                                     | Ethylene Glycol                                             | 000107-21-1                               | 60%                                                                  | 0.00698%                                                             |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Sodium Hydroxide                                            | 001310-73-2                               | 5%                                                                   | 0.00058%                                                             |
| WG-111D                                                                                                                                                                                                                        | TRICAN                                                                                                                                     | Gelling Agent                                                                                                                       | Guar Gum                                                    | 009000-30-0                               | 100%                                                                 | 0.28439%                                                             |
| WXB-15                                                                                                                                                                                                                         | TRICAN                                                                                                                                     | Cross Linker                                                                                                                        | Solvent naptha, (petroleum) heavy aliphatic                 | 064742-96-7                               | 65%                                                                  | 0.04474%                                                             |
| FR-12 (Anionic Acrylamide)                                                                                                                                                                                                     | TRICAN                                                                                                                                     | Friction Reducer                                                                                                                    | Petroleum Distillate Hydrotreated Light                     | 064742-47-8                               | 60%                                                                  | 0.03379%                                                             |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Copolymer of Acrylamide and Sodium Acrylate                 | 025987-30-8                               | 40%                                                                  | 0.02253%                                                             |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Quaternary Ammonium Chloride (Ammonium Chloride)            | 012125-02-9                               | 2%                                                                   | 0.00113%                                                             |
| PH-11                                                                                                                                                                                                                          | TRICAN                                                                                                                                     | pH Adjusting Agent                                                                                                                  | Potassium Hydroxide                                         | 001310-58-3                               | 23%                                                                  | 0.01021%                                                             |
| EnCap HP                                                                                                                                                                                                                       | TRICAN                                                                                                                                     | Breaker                                                                                                                             | Ammonium Persulfate                                         | 007727-54-0                               | 60%                                                                  | 0.00591%                                                             |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Proprietary Cured Acrylic Resin (EnCap HP)                  | TRADE SECRET                              | 25%                                                                  | 0.00246%                                                             |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Crystalline Silica (Quartz Sand, Silicon Dioxide)           | 014808-60-7                               | 15%                                                                  | 0.00148%                                                             |
| DF-1                                                                                                                                                                                                                           | TRICAN                                                                                                                                     | Defoaming Agent                                                                                                                     | No Hazardous Components                                     | NONE                                      | 0%                                                                   | 0%                                                                   |
| Additional Ingredients Not Listed on MSDS                                                                                                                                                                                      |                                                                                                                                            |                                                                                                                                     |                                                             |                                           | 0%                                                                   | 0%                                                                   |
| ParaSorb                                                                                                                                                                                                                       | BAKER HUGHES                                                                                                                               | Scale Inhibitor                                                                                                                     | Proprietary Polymer                                         | TRADE SECRET                              | 0%                                                                   | 0%                                                                   |
| MC B 8642 WS, MC MX 664-5, MC S-2510T (WS)                                                                                                                                                                                     | MULTI-CHEM                                                                                                                                 | Anti-Bacterial Agent, Scale Inhibitor, Surfactant                                                                                   | Methanol (Methyl Alcohol)                                   | 000067-56-1                               | 0%                                                                   | 0%                                                                   |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Non-MSDS Components Not Provided by Supplier                | NOT PROVIDED                              | 0%                                                                   | 0%                                                                   |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Water                                                       | 007732-18-5                               | 0%                                                                   | 0%                                                                   |
| DF-1, FEAC-20, PH-11, WG-111D, WXB-15, OptiProp G2                                                                                                                                                                             | TRICAN                                                                                                                                     | Cross Linker, Defoaming Agent, Gelling Agent, Iron Control Agent, pH Adjusting Agent, Proppant                                      | 2-Butoxyethanol (Ethylene Glycol Monobutyl Ether)           | 000111-76-2                               | 0%                                                                   | 0%                                                                   |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Crystalline Silica (Silicon Dioxide)                        | 007631-86-9                               | 0%                                                                   | 0%                                                                   |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Ethoxylated Alcohol C11-C14 iso                             | 78330-21-9                                | 0%                                                                   | 0%                                                                   |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Methylcellulose                                             | 009004-67-5                               | 0%                                                                   | 0%                                                                   |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Modified Amidoamine                                         | 68990-47-6                                | 0%                                                                   | 0%                                                                   |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Polydimethyl Siloxane                                       | 063148-62-9                               | 0%                                                                   | 0%                                                                   |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Potassium Carbonate                                         | 000584-08-7                               | 0%                                                                   | 0%                                                                   |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Propylene Carbonate                                         | 000108-32-7                               | 0%                                                                   | 0%                                                                   |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Silicon Dioxide                                             | 112926-00-8                               | 0%                                                                   | 0%                                                                   |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Tall Oil Fatty Acids                                        | 061790-12-3                               | 0%                                                                   | 0%                                                                   |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Tallow alkyl-dimethyl-ammonium chloride / bentonite complex | 071011-25-1                               | 0%                                                                   | 0%                                                                   |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Ulexite (Borate Salt)                                       | 001319-33-1                               | 0%                                                                   | 0%                                                                   |
|                                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     | Water                                                       | 007732-18-5                               | 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: Bryan Arrant Title: Regulatory Specialist II                                                                                                                                    |                                                                                                                                            |                                                                                                                                     |                                                             |                                           |                                                                      |                                                                      |
| Date: 7/10/2012                                                                                                                                                                                                                |                                                                                                                                            |                                                                                                                                     |                                                             |                                           |                                                                      |                                                                      |
| E-mail Address: bryan.arrant@chk.com                                                                                                                                                                                           |                                                                                                                                            |                                                                                                                                     |                                                             |                                           |                                                                      |                                                                      |
| NMOCDD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCDD does not require the reporting or disclosure of proprietary, trade secret or confidential business information. |                                                                                                                                            |                                                                                                                                     |                                                             |                                           |                                                                      |                                                                      |