Hydraulic Fracturing Fluid Product Component Information Disclosure

| Fracture Date | 3/11/2012 |
|----------------------------|----------------------------------|
| State: | California |
| County: | Kern |
| API Number: | 04-030-46208 |
| Operator Name: | Occidental of Elk Hills, Inc. |
| Well Name and Number: | 6-4AH-7D |
| Longitude: | -119.434840267663 |
| Latitude: | 35.1608208189029 |
| Long/Lat Projection: | NAD83 |
| Production Type: | Oil |
| True Vertical Depth (TVD): | 3,577 |
| Total Water Volume (gal)*: | 146,706 |

Hydraulic Fracturing Fluid Composition:

| Trade Name | Supplier | Purpose | Ingredients | Chemical Abstract Service Number (CAS #) | Maximum Ingredient Concentratio n in Additive (% by mass)** | Maximum Ingredient Concentratio n in HF Fluid (% by mass)** | Comments |
|---------------------------------|-------------|----------------------|---|--|---|---|-----------------|
| 4% KCL Water | Operator | | | | 100.00% | 74.72287% | Density = 8.540 |
| SAND - PREMIUM - 100 MESH | Halliburton | Proppant | Crystalline silica, quartz | 14808-60-7 | 100.00% | 24.45574% | |
| SAND - PREMIUM BROWN | Halliburton | Proppant | Crystalline silica, quartz | 14808-60-7 | 100.00% | 24.45574% | |
| LoSurf-300D | Halliburton | Non-ionic Surfactant | 1,2,4 Trimethylbenzene | 95-63-6 | 1.00% | 0.00072% | |
| | | | Ethanol | 64-17-5 | 60.00% | 0.04306% | |
| | | | Heavy aromatic petroleum naphtha | 64742-94-5 | 30.00% | 0.02153% | |
| | | | Naphthalene | 91-20-3 | 5.00% | 0.00359% | |
| | | | Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydr oxy-, branched | 127087-87-0 | 5.00% | 0.00359% | |

| BC-140 | Halliburton | Crosslinker | Ethylene glycol | 107-21-1 | 30.00% | 0.03400% |
|-----------------------------------|-------------|---------------------------|---|--------------------------------------|---------|----------|
| | | | Monoethanolamine borate | 26038-87-9 | 60.00% | 0.06799% |
| MO-67 | Halliburton | pH Control Additive | Sodium hydroxide | 1310-73-2 | 30.00% | 0.00608% |
| LGC-36 UC | Halliburton | Liquid Gel Concentrate | Guar gum | 9000-30-0 | 60.00% | 0.20047% |
| | | | Naphtha, hydrotreated heavy | 64742-48-9 | 60.00% | 0.20047% |
| FE-1A ACIDIZING COMPOSITION | Halliburton | Additive | Acetic acid | 64-19-7 | 60.00% | 0.00641% |
| | | | Acetic anhydride | 108-24-7 | 100.00% | 0.01069% |
| SP BREAKER | Halliburton | Breaker | Sodium persulfate | 7775-27-1 | 100.00% | 0.00268% |
| BE-3S BACTERICIDE | Halliburton | Biocide | 2,2 Dibromo-3-nitrilopropionamide | 10222-01-2 | 100.00% | 0.00018% |
| | | | 2-Monobromo-3-nitrilopropionamid e | 1113-55-9 | 5.00% | 0.00001% |
| | | | Crystalline silica, quartz | 14808-60-7 | | |
| | | | Fatty alcohol polyglycol ether surfactant | 9043-30-5 | | |
| | | | Oxyalkylated Phenolic Resin | Confidential Business Information | | |
| | | | Oxyalkylated Phenolic Resin | Confidential Business Information | | |
| | | | Quaternary ammonium compounds, bis(hydrogenated tallow alkyl) dimethyl,salts with bentonite | 68953-58-2 | | |
| | | | Sodium chloride | 7647-14-5 | | |
| | | | Sodium sulfate | 7757-82-6 | | |
| | | | Water | 7732-18-5 | | |
| | | | | | | |

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredients Listed Below (white line). This Line Are Part of the Fluid Composition Provided by Halliburton Which Do Not Appear On the Material Safety Data Sheets (MSDS)

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

^{*} Total Water Volume sources may include fresh water, produced water, and/or recycled water

^{**} Information is based on the maximum potential for concentration and thus the total may be over 100%