CLASSIFICATION OF EXPLOSIVES

Based upon a request by Pacific Scientific Energetic Materials Co., 7073 West Willis Rd., Chandler, AZ 85226, United States, the following items are classed in accordance with Section 173.56, Title 49, Code of Federal Regulations (49 CFR). A copy of your application, all supporting documentation and a copy of this approval must be retained and made available to DOT upon request.

U.N. PROPER SHIPPING NAME AND NUMBER:
Cartridges, oil well, UN0278

U.N. CLASSIFICATION CODE: 1.4C

<table>
<thead>
<tr>
<th>REFERENCE NUMBER</th>
<th>PRODUCT DESIGNATION/PART NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX2014050095</td>
<td>Core Gun Cartridge P/N: 2-350610-6, 2-350610-1, 2-350610-2, 2-350610-3, 2-350610-4 and 2-350610-5</td>
</tr>
</tbody>
</table>

NOTES: The following packaging method is assigned: Inner Packaging - Trays, pre-punched fiberboard, each containing no more than five (5) units in a star-pattern. Outer Packaging - UN 4G fiberboard box, each containing no more than five (5) inner-packagings in a single column with two additional empty trays placed on top and bottom and single empty trays placed as dividers between each inner packaging. In addition, the pre-punched cells on the inner packaging trays are off-set such that no cartridge units are aligned with the units in trays above or below.

DATED: 10/29/2014

For Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety