## 2006 World Survey of Marine Stimulation Vessels

### Table: Statistics

<table>
<thead>
<tr>
<th>Photo #</th>
<th>Region of operation</th>
<th>Contractor and Vessel Name</th>
<th>Main engine horsepower (hp)</th>
<th>cruising speed (kts)</th>
<th>Additive (gal or lb)</th>
<th>Gel / completion fluid (bbl)</th>
<th>Water (bbl)</th>
<th>Frac (bbl)</th>
<th>Filter capability (bbl/min)</th>
<th>Gel on the fly capability?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Gulf of Mexico</td>
<td>1 RC Baker</td>
<td>224</td>
<td>54</td>
<td>4,000</td>
<td>10.5</td>
<td>28,000</td>
<td>12,000</td>
<td>530</td>
<td>0</td>
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<tr>
<td>2</td>
<td>North Sea</td>
<td>2 HH Hughes</td>
<td>270</td>
<td>56</td>
<td>3,420</td>
<td>12.5</td>
<td>20,000</td>
<td>12,000</td>
<td>880</td>
<td>0</td>
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<tr>
<td>3</td>
<td>South America</td>
<td>265</td>
<td>60</td>
<td>6,760</td>
<td>33</td>
<td>13,000</td>
<td>12,000</td>
<td>350</td>
<td>20,000</td>
<td>4,255</td>
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<tr>
<td>4</td>
<td>Middle East</td>
<td>240</td>
<td>56</td>
<td>5,400</td>
<td>13</td>
<td>32,800</td>
<td>20,000</td>
<td>820</td>
<td>425,000</td>
<td>75</td>
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<tr>
<td>5</td>
<td>Main engine horsepower (hp)</td>
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<td>6</td>
<td>Cruising speed (kts)</td>
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<tr>
<td>7</td>
<td>Additive (gal or lb)</td>
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<tr>
<td>8</td>
<td>Gel / completion fluid (bbl)</td>
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<td>9</td>
<td>Water (bbl)</td>
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<td>10</td>
<td>Frac (bbl)</td>
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<tr>
<td>11</td>
<td>Filter capability (bbl/min)</td>
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<td></td>
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<tr>
<td>12</td>
<td>Gel on the fly capability?</td>
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</tr>
</tbody>
</table>

### Notes:

1) 2 off Drexel 3 in. line
2) 4,500 gal of LFC
3) 4 in. / 3 in. / 2.75 in.
4) DGPS/Seasat
5) Two-bow thrusters
   - 1 bow 1,200 hp
   - 2 bow 1,200 hp
6) 1,000 hp tunnel and 1,200 hp dropdown
7) 350 hp tunnel and 1,200 hp dropdown

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### Contractors and Vessels

- **Baker Oil Tools**
  - Mike Naquin, 654 N. Sam Houston Pky, Suite 400, Houston, TX 77066; phone: (713) 625-6600; email: mike.naquin@bakeroiltools.com / Rudy de Grood, 6

- **BJ Services**
  - US and Gulf of Mexico - Greg Salerno, 5500 Northwest Central Drive, Houston, TX 77082; (713) 895-5459; email: Greg_Salerno@bjservices.com
  - 3 M/V Blue Angel
  - 4 M/V Blue Star
  - 5 M/V Blue Shark
  - 6 M/V Challenger
  - 7 M/V Discovery
  - 8 M/V Discovery II
  - 9 M/V Discovery III
  - 10 M/V Discovery IV
  - 11 M/V Discovery V
  - 12 M/V Discovery VI
  - 13 M/V Discovery VII
  - 14 M/V Discovery VIII
  - 15 M/V Discovery IX

- **Halliburton Energy Services**
  - Nicholas Gardiner, 10202 Bellaire, Houston, TX 77072; phone: (281) 575-4132; email: Nicholas.Gardiner@halliburton.com
  - 3 War Admiral
  - 4 Big Orange 1
  - 5 Big Orange 2
  - 6 DeepStim II
  - 7 DeepStim III
  - 8 DeepStim IV
  - 9 DeepStim V
  - 10 DeepStim VI

- **Schlumberger**
  - James Metson, Paris, France; phone: (+33 1 4537 2003); email: JMetson@clamart.oilfield.slb.com
  - 14 DeepStim 10
  - 15 DeepStim 20
  - 16 DeepStim 30
  - 17 DeepStim 40
  - 18 DeepStim 50
  - 19 DeepStim 60

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**Photos:**

1. Contractor and Vessel Name
2. Main engine horsepower (hp)
3. Cruising speed (kts)
4. Additive (gal or lb)
5. Gel / completion fluid (bbl)
6. Water (bbl)
7. Frac (bbl)
8. Filter capability (bbl/min)
9. Gel on the fly capability?
## Worldwide offshore marine vessels capable of self-propulsion

**Ted Moon, Exploration Editor**

### Table: Worldwide offshore marine vessels capable of self-propulsion

<table>
<thead>
<tr>
<th>Mixing equipment</th>
<th>Navigational equipment</th>
<th>Safety equipment</th>
<th>Pumping equipment</th>
<th>Total operating pump capability (trac pumps)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Blenders</strong> (bbl/min)</td>
<td><strong>Batch</strong> (bbl)</td>
<td><strong>Acid</strong> (bbl/min)</td>
<td><strong>Propellant</strong> (lb/min)</td>
<td><strong>Inc.</strong> (bbl/min)</td>
</tr>
<tr>
<td>60</td>
<td>110</td>
<td>5</td>
<td>16,000</td>
<td>50</td>
</tr>
<tr>
<td>2 x 60</td>
<td>180</td>
<td>2</td>
<td>x 16,000</td>
<td>60</td>
</tr>
</tbody>
</table>

### General notes:
- Blank cells indicate “data not provided”
- Pump types common to all vessels in survey are quintiplex and triplex positive displacement pumps with Colfleix high pressure line(s)
- Pump “Number” includes all pumps available
- Pump “Max Rate” includes all pumps available

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**Ted Moon, Exploration Editor**

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