

## T-67 EMSCO D3 II

### TECHNICAL OVERVIEW

|  |                        |         |
|--|------------------------|---------|
| <b>Rating</b>  | 1,000 HP               | 746 kW  |
| <b>Hook load</b>   | 600,000 lbs @ 10 lines | 272 t   |
| <b>Drilling depth theoretical</b>                        | 12,000 ft              | 3,658 m |
| Year of construction 1990<br>Totally refurbished in 2010 |                        |         |

### MAST

|           |                 |        |
|-----------|-----------------|--------|
| Type      | Dreco telescope |        |
| Height    | 136 ft          | 41.5 m |
| Base      | 20 ft           | 6.1 m  |
| Hook load | 600,000 lbs     | 272 t  |
| N.G.C.    | 840,000 lbs     | 381 t  |

### SUBSTRUCTURE

|              |                                   |       |
|--------------|-----------------------------------|-------|
| Type         | Dreco trailer mounted             |       |
| Height       | 24 <sup>2</sup> / <sub>3</sub> ft | 7.5 m |
| Casing load  | 600,000 lbs                       | 272 t |
| Setback load | 380,000 lbs                       | 172 t |

### DRAWWORKS

|                        |                                 |         |
|------------------------|---------------------------------|---------|
| Type                   | Continental Emsco D3 II         |         |
| Horsepower rating      | 1,000 HP                        | 746 kW  |
| Max. line pull         | 65,000 lbs                      | 29.5 t  |
| Drilling line diameter | 1 <sup>1</sup> / <sub>4</sub> " | 31.8 mm |
| Auxiliary brake        | Baylor 5032                     |         |

### TOP DRIVE

|          |               |           |
|----------|---------------|-----------|
| Type     | Varco TDS-10S |           |
| Capacity | 551,000 lbs   | 250 t     |
| Torque   | 20,000 ft.lbs | 27,115 Nm |

### ROTARY TABLE

|               |                                  |          |
|---------------|----------------------------------|----------|
| Type          | National C-275                   |          |
| Table opening | 27 <sup>1</sup> / <sub>2</sub> " | 698.5 mm |

### DRIVE GROUP

|                   |                      |  |
|-------------------|----------------------|--|
| Engine type       | Caterpillar D 399 TA |  |
| Horsepower rating | 4 x 1,153 HP         |  |
| Generator type    | Kato 1030            |  |
| Generator rating  | 4 x 1,286 kVA        |  |
| Voltage           | 600/460 V, 60 Hz     |  |
| SCR unit          | IDM                  |  |



### MUD SYSTEM

|                     |                          |                    |
|---------------------|--------------------------|--------------------|
| Pump type           | Continental Emsco FB1300 |                    |
| Horsepower rating   | 2 x 1,300 HP             |                    |
| Shale shaker        | 3 x Brandt King Cobra    |                    |
| Shale shaker type   | Linear motion            |                    |
| Standpipe pressure  | 5,000 psi                | 345 bar            |
| Active mud system   | 1,320 bbl                | 210 m <sup>3</sup> |
| Reserve mud system  | 940 bbl                  | 150 m <sup>3</sup> |
| Water tank capacity | 940 bbl                  | 150 m <sup>3</sup> |

### BOP EQUIPMENT

|            |  |  |
|------------|--|--|
| Annular    | 13 <sup>5</sup> / <sub>8</sub> " - 5,000 psi |  |
| Double ram | 13 <sup>5</sup> / <sub>8</sub> " - 5,000 psi |  |
| Single ram | 13 <sup>5</sup> / <sub>8</sub> " - 5,000 psi |  |

### CAMP EQUIPMENT

Full rig and base camp

### ADDITIONAL INFORMATION

Highly mobile desert rig.  
Camp on master skids  
MD Totco Drill Watch System