

# Major Equipment Inventory

# RIG #14

|                       |  |
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| <b>Move Loads:</b>    | <b>18 Summer, 19 Winter</b>  |
| <b>KB to Ground:</b>  | <b>4.8 m (4.35 m clear with pony subs)</b>   |
| Drawworks:            | Rigmaster P500, powered by 1-Detroit 14 liter 60 Series 450 kw, w/Allison CBLT 6061 6 speed transmission, Eaton Disc 2-24 auxiliary brake.               |
| Mud Pump:             | 1-GD PZ 9 powered by 1-Detroit 12V2000 Series 560 kw, w/PR 850 box.<br>1-Emsco F-1000 powered by 1-Detroit 12V2000 Series 670 kw, w/Pacific Rim 850 box. |
| Substructure:         | Rigmaster single piece Model ST14-14.2-340D, 150,000 daN casing & 125,000 daN setback capacity, hydraulic leveling system.                               |
| Mast:                 | Rigmaster free standing telescopic Model T104-9.5-400D, SHL capacity 177,900 daN.  |
| B.O.P. System:        | 1-228.6 mm Townsend Type 84, 21,000 kpa Spherical - Nace<br>2-228.6 mm Townsend Type 88, 21,000 kpa Single Gate - Nace                                   |
| Closing Unit:         | Neutron 510 liter 5 station 21,000 kpa PLC.  |
| Drill Pipe:           | 350 Jts – 2800 m, 101.6 mm OSS-95 23.36 kg/m with 4 FH connections.<br>6 Jts – 101.6 mm 41.6 kg/m Hevi-Wate Drill Pipe with 4 FH connections.            |
| Drill Collars:        | 21-161 mm x 57 mm with 4.5 H90 connections zipped for slips.<br>2-228 mm x 76 mm with 7 H90 connections zipped for slips.                                |
| Top Drive:            | Tesco 250T HMIS 337kw, 222,000 daN.  |
| Block/Hook:           | Dreco Shorty 170-UTB, 170,000 daN.   |
| Pipe Handling:        | Hydraulic Catwalk/Laydown system, Hydraulic Pipe Tubs,<br>Foster Model 77 Kelly Spinner, Model 750 H Spin Master pipe spinner.                           |
| Rotary Table:         | Emsco 17.5, 444 mm opening.  |
| Mud Tanks:            | 1 - 72 m3 w/4 compartments, equipped with Poorboy degasser, 2-5x6 Mission pumps, 3 agitators, hole fill pump, 2 shale shakers, and mixing house.         |
| Shale Shakers:        | 2 – Brandt King Cobra Linear Motion.   |
| Fuel & Water:         | 15 m3 fuel & 60 m3 water. Bi-Fuel system installed.  |
| Combination Building: | Tool room, change house, generator and accumulator room.   |
| Generator:            | 1- Detroit 60 Series, 400 kw, 480 volt Stamford<br>1- Detroit 50 Series, 225 kw, 480 volt cold start/standby.  |
| Boiler:               | Williams & Davis 90 kw c/w 16 m3 water & 9 m3 fuel tank.   |