

APPENDIX 4

1 Generator

0 to 24 hours per day depending on where in the drilling process

200 hours of operation per year

- **Engine Specifications:** 1.800 r.p.m.
- **Rated Output:** 175kW prp; 192kW standby
- **Manufacturer:** JOHN DEERE
- **Model:** 6068HFG05
- **Engine Type:** 4-stroke diesel
- **Injection Type:** Direct, common rail
- **Aspiration Type:** Turbocharged and after-cooled
- **Number of cylinders and arrangement:** 6-L
- **Bore and Stroke:** 106 x 127 mm
- **Displacement:** 6,8 L
- **Cooling System:** Liquid (water + 50% glycol)
- **Lube Oil Specifications:** 10W40 CJ4 / CK4 ACEA E9
- **Compression Ratio:** 17,2
- **Total oil capacity:** 32,5 L
- **Governor Type:** Electrical
- **Air Filter Type:** Dry
- **Coolant Level Sensor:** Low
- **EPA TIER:** 4 FINAL
- **Length:** 145 in
- **Height:** 84 in
- **Width:** 53.94 in
- **Maximum shipping volume:** 382.1 ft³
- **Dry weight:** 8,200 Lbs
- **Fuel tank capacity:** 130 Gal
- **Autonomy:** 18 Hours
- **Sound pressure level:** 72 ± 2,4 dB(A)@7m

Load factor would not exceed 80% of stated output for safety factor. All power generation would possess the necessary MDAQMD permitting and record keeping.