**Cementation and Pumping**

**PREVIOUS EXPERIENCES:**

Development of 230 Cementing, Pumping and Packaging Services between 2016 and 2018 in the operational areas of North Monagas.

**AVAILABLE SERVICES:**

We have available three Cementation Sets with which we can perform services of:

* Primary and Secondary Cementation in Oil and Gas Wells.
* Abandonment of Wells.
* Fluid Displacement.
* Training Integrity Testing (PIP).
* Pack with Grava.

**EQUIPMENT DESCRIPTION:**

|  |  |  |  |
| --- | --- | --- | --- |
| **03 PUMP CHANGES (Main Equipment)** | | | |
| **DESCRIPTION** | **MODEL** | **UNIT** | **QUANTITY** |
| Cementing Trailer (Pump Truck) | GJ0706640D001 | unit | 1 |
| Detroit Diesel 2x Cementador Main Engines | 60 | pc | 2 Series |
| Main Motor Computer 1xMotor | 6DD4408E09 | pc | 2 |
| Ditroit Diesel Brand Engine Compressor | TU-FLO 550 | pc | 2 |
| Starter Motor 1xMotor Brand TDI | T30P | pc | 2 |
| Transmission Box Allison | 12K11 TIDA | pc | 2 |
| Control Module Monitor SJPetro | GJ-12S | pc | 1 |
| Pumping Console EXPZDEBIIBT4 | JZBKG | pc | 1 |
| Triplex Pump Brand SIPETRO 4 1/2" 43Mpa | STP 600S | pc | 1 |
| Centrifugal Pump 4x3x13 Brand TSC | HCP | pc | 1 |
| Triplex Pump Brand SIPETRO 3 1/2" 72Mpa | STP 600S | pc | 1 |
| Centrifugal Pump 6x5x11 Brand TSC | HCP | pc | 1 |
| Centrifugal Pump 6x5x11 Brand TSC | HCP | pc | 1 |
| Cumming DFAC Diesel Auxiliary Engine | 6LTAA89-C325 | pc | 1 |
| **06 MIXER UNITS (Main Equipment)** | | | |
| **DESCRIPTION** | **MODEL** | **UNIT** | **QUANTITY** |
| Mixer mixer trailer | BCS-300-100A | unit | 1 |
| Diesel Engine Brand CATERPILLAR CAT C7 | Model C7 | pc | 1 |
| Centrifuges Brand SERVA 6x4 | Standard | pc | 2 |
| Centrifuge Brand SERVA 4x3 | Standard | pc | 1 |
| Neumaticstarter Starter Engine Brand Ingersoll Rand | 150LFPE | pc | 1 |
|  | CAT TU-FLO 550 | pc | 1 |
| Mixing and Pumping Control Console 24 Volt | BARTEC 97980 SILAS | pc | 1 |
| Transmission Box Hydraulic System | Mod. 593W11P2B | pc | 1 |
| Cylindrical Mixing Tanks | CAP 7.5 Mts3 | pc | 2 |
| **09 REMOLQUES WITH THREE CEMENT TOLVAS (Main Equipment)** | | | |
| **DESCRIPTION** | **MODEL** | **UNIT** | **QUANTITY** |
| Trailer with three tanks and a compressor | SGZ9350GFL | unit | 1 |
| Cumming | Standard | unit | 1 engine |
| Pneumatic Starter Engine | Standard | pc | 1 |
| Compressor | BDW-12/2-9 | unit | 1 |
| **01 CEMENT UNITS (Main Equipment)** | | | |
| **DESCRIPTION** | **MODEL** | **UNIT** | **QUANTITY** |
| Cement Silo Storage 25 Mts3, 0.2MPa WP | WGG25FLG | unit | 13 |
| Cement Silo Mix - Ash Tank 24 Mts3, 0.3MPa WP | 215012077201300 | unit | 10 |
| Silo Mixer 10 Mts3, 0.3MPa WP | 215012077201300 | unit | 1 |
| Silo Cement Filter Mix 14Mts3, 0.3MPa WP | 215012077201300 | unit | 1 |
| Silo Cement Storage 35 Mts3, 0.3MPa WP | JSJ350XHG | unit | 6 |
| **01 CEMENTATION AND PUMP LABORATORY (Main Equipment).** | | | |
| **DESCRIPTION** | **MODEL** | **UNIT** | **QUANTITY** |
| HT/HP | TG-8040DA | SET | 2 |
| Dual Cell Cement Ultasonic Analyzer (UCA) | UCA200-2 | SET | 2 |
| Dual cell curing chamber | TG-7370D | SET | 2 |
| Dehumidifier | Standard | unit | 2 |
| 12-litre constant speed mixer - 1 liter | TG-3060-1L | SET | 2 |
| Constant speed mixer - 4 liters | TG-3060-4L | SET | 2 |
| HT/HP | TG-71 | SET | 2 |
| High roller oven | BGRL-5X | SET | 1 |
| Compression testing machine | YAW-330B | SET | 1 |
| Dual cell atmospheric consistometer | TG-1220C | SET | 2 |
| Mud Cells | Standard | SET | 4 |
| Settlement Meter | Standard | SET | 1 |
| High Pressure Compressor | HET-80 | SET | 2 |
| Gas Migration Analyzer | TG-4268 | SET | 1 |
| Dynamic press filter ht/hp | TG-1720 | SET | 1 |
| Grout expansion and shrinkage meter | TG-4268 | SET | 1 |