

PEAK TIMES MOMENTS

2021, edition 2
*BOLIVIA
READY FOR
COATING*

MSP FOR TOTAL E&P

Field Joint Coating

COATING JOB

Surface preparation and
the Covalence Heat-
Shrinkable Sleeve

TOTAL E&P BOLIVIA

Overcoming the
geological challenges
of the Andean foothills

A PEAK TIMES MOMENT

Could this herald an
increasing popularity for
the Bristle Blaster®?

MONTIPOWER
Surface Preparation Technologies
Part of Montti Group



PEAK TIMES MOMENTS

TOTAL E&P BOLIVIA READY FOR COATING

Peak Times Moments offers insight into the world of MontiPower® projects, activities and new developments.

Such moments can be extraordinary cases or test results, product innovations, special events and sales promotions.

The world of MontiPower® consists of a series of remarkable moments, or as we say in the world of surface preparation: “Never a dull moment... Always a Peak Times Moment!”



MontiPower's® latest report is from Total E&P's facilities in far-away Bolivia.





***“NEVER A
DULL MOMENT -
ALWAYS A PEAK
TIMES MOMENT!”***

MSP FOR TOTAL E&P

In December, Matservice Petróleo performed a pipeline coating replacement for Total E&P Bolivia, one of the world's supermajor oil companies. The 3LPE coating needed to be removed and a Covalence Heat-Shrinkable Sleeve applied to the joints between pipelines; a so-called Field Joint Coating.

Total E&P was recently involved in the installation of an international network with 3150 km of natural gas pipelines, running all the way from Santa Cruz (Bolivia) to Porte Alegre (Brazil).

This time, they opted for MontiPower® and STOPAQ Seal for Life, Bristle Blaster® and Covalence. ⋮



COATING JOB

The job was carried out by MSP's Cristhian Coarite and Coating Specialist Technician Marco Antonio Lora.

Total E&P Bolivia's Integrity Supervisor, Ing. Freddy Columba, supervised the entire coating replacement and inspection process.

Non-destructive testing confirmed the job's success.

CRISTHIAN COARITE is a Coating Inspector - NACE CIP Level 1 and MatService Petróleo's Technical Coordinator.

SURFACE PREPARATION

The first step in the surface preparation process was to determine the environmental conditions. Then a solvent (thinner) removed dust, dirt, moisture, grease and other contaminants from the exposed surface.

The Bristle Blaster® was used to clean and prepare the surface, producing a finish corresponding to the SA 3 or SP 5 standard for white metal.

COVALENCE HEAT SHRINKABLE SLEEVE

To ensure proper adherence, the area was pre-heated, followed by an application of epoxy primer.

Finally, a propane torch heated the three-layer sleeve and shrunk it into place.

“ THE BRISTLE BLASTER® WAS USED TO CLEAN AND PREPARE THE SURFACE ”




TESTED PRIOR TO COATING APPLICATION IN ORDER TO PREVENT COATING FAILURE DUE TO SALT CONTAMINATIONS, SUCH AS CHLORIDES AND SULPHATES.
**SALT CONTAMINATION RESULT:
1.4 UG² / CM²**

THE CLEANLINESS ACHIEVED

Sa 3

or

SP 5



SURFACE PREPARATION PROCESS

**VALUE OBTAINED FROM THE
ROUGHNESS TEST**

68 μ

TOTAL E&P BOLIVIA

For MontiPower®, this coating job's significance all comes down to Total E&P. Total E&P is one of the seven biggest oil companies worldwide, the so-called supermajor companies. Since 1995, Total E&P has been involved in the exploration, production and transportation of natural gas in Bolivia.

Through the years, one of Total E&P's most notable projects has been to overcome the geological challenges posed by the Andes region, while constructing the Incahuasi Plant.



According to Marco Chávez, Operations Geologist at Total E&P, it is the Andean foothills' steep and rugged nature that made this area so difficult to access. This presented a serious logistics challenge; pipelines over 40-degree slopes were not uncommon. As the nearest major city, Santa Cruz de la Sierra, is five hours distant, success required innovative solutions.

Ultimately, Total E&P did what it set out to do. The Incahuasi reservoir is now 5,636 meters deep and the Incahuasi Plant is up and running, with a production capacity of 11 million cubic meters of gas per day.

This production is vital to Bolivia's revenues according to Total E&P. The plant processes the hydrocarbon from four gas wells, after which a 160-km network of pipelines distributes it to meet domestic and international demands.

*'THE NEAREST MAJOR CITY, IS FIVE HOURS DISTANT, **SUCCESS REQUIRED INNOVATIVE SOLUTIONS.'***

A PEAK TIMES MOMENT



For MontiPower®, the fact that Total E&P has opted for, and will be relying on, MontiPower® and its Bristle Blaster® is a huge boost. It is remarkable for MontiPowers® solutions to be preferred by a company with such extensive activities in not just one country, but across the world.

Who knows, this may herald an increasing popularity for MontiPower's® Bristle Blaster® in the future. With Total E&P's presence and activities in over 130 countries, it could make a notable difference to MontiPower's® opportunities there and elsewhere. ⋮

*EITHER WAY, THE
JOB IN **BOLIVIA**
WAS A GREAT
HONOUR FOR
MONTIPOWER®,
AND WAS CAPABLY
HANDLED BY
OUR MUCH-
APPRECIATED
PARTNER MSP.*



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GERMANY SINCE 1987**

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