

# UMTC® - DryLocations System

## Performance Report – Vaca Muerta Field – Neuquen – Argentina

During Monday June 1 to Sunday 7 of the current month in the area of Lindero Atravesado ( Vaca Muerta Field ) - Neuquen – Argentina, Matra did an operational test of the Mobile Transport Unit of Corte - UMTC® for our customers Compania TSB SA – The well was drilling with high ROP in 12 ¼” with OBM , the drilling section start with 660 meters to 1270 to the end , all this section was complete build in 7 days.

The proposal is based on conducting a survey of all the data and information obtained during the period of operation in the indicated location. In this way, being able to determine the critical points to improve, generating an optimal and efficient work of the UMTC®

### Challenge

- Establish a new operational lay out in a drilling rig
- Reduce operational personal on the drilling rig.
- Achieve cutting flow with low energy consumption ( air flow )

### Proposal

- UMTC Rig up.
- Replace small skip container ( 4m3 each ) for bigger truck hauling ( 30 m3 )

### Results

- The technologies and design was valid in technical design.
- Contain drilling ROP greater tan 40/45 meters/hour at 12 ¼” up to 50/55 meters/hours in average
- Rig up and lay out valid.

Mud Fluid Type		<b>OBM</b>	
Mud Fluid Weight		<b>9,2</b>	ppg
Test Field Day		<b>8</b>	days
Cutting Discharge Weight	minimum	<b>15</b>	ppg
	maximun	<b>16,2</b>	ppg
Humidity Percentage Cutting Discharge		<b>45/50</b>	%
ROP @ 12 1/4"	minimum	<b>18</b>	mt/hour
	maximun	<b>50</b>	mt/hour
Convening Distance	minimum	<b>8</b>	meters
	maximun	<b>15</b>	meters
Convening volume during field test - Aprox		<b>285</b>	tons
System cutting flow	minimum	<b>3,7</b>	tn/hours
	maximun	<b>7,4</b>	tn/hours
Air consumption		<b>4,5</b>	m3/hour
Technical Personal per shift		<b>2</b>	12 hours



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