QUAD POWER™ POWER-CLAY™

CLAY ANNIHILATOR

DESCRIPTION
POWER-CLAY™ is a concentrated, non-hazardous, proprietary clay inhibitor that can either be used with bentonite fluids or can be added to other QUAD POWER™ polymer drilling products. POWER-CLAY is an ideal additive for HDD bores in reactive clay soils.

RECOMMENDED USE
QUAD POWER polymer drilling products are designed for use in smaller diameter/short-length horizontal bores when use of bentonite is not desired. POWER-CLAY is designed to be added to POWER-BASE™. Using POWER-CLAY will greatly reduce or eliminate clay cuttings from sticking to each other and to the drilling tools. Swelling of the bore will be reduced or eliminated. Rotation and pullback pressures will be significantly reduced.

ADVISORY
QUAD POWER polymer drilling products or any polymer products alone should never replace bentonite based drilling fluids for larger diameter, longer bore shots, or exceptionally challenging and higher risk projects.

CHARACTERISTICS
- Greatly reduces clay rings and bit balling
- Increases returns back to the surface
- Non-hazardous
- Readily dispersible
- Reduces pullback pressures
- Reduces torque
- Will not significantly alter yield point or filtrate

QUAD POWER PRODUCT APPLICATION
NUMBER OF BAGS/JUGS PER 500 GALLONS
FRESHWATER

<table>
<thead>
<tr>
<th>SOIL CONDITIONS</th>
<th>POWER-BASE</th>
<th>POWER-TERGE</th>
<th>POWER-CLAY</th>
<th>POWER-SAND</th>
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<tbody>
<tr>
<td>UNKNOWN</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAND</td>
<td>1</td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>SAND &amp; GRAVEL</td>
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<td>1</td>
<td>3-4</td>
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</tr>
<tr>
<td>SAND &amp; CLAY</td>
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<td>1</td>
<td>1</td>
<td>2</td>
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<tr>
<td>CLAY</td>
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</tr>
<tr>
<td>STICKY CLAY</td>
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PACKAGING
~64 ounce jug, 6 jugs per case, 60 cases per pallet.