



# Technical Data Sheet

## Lignite

### *Product Description*

**Lignite** is a naturally occurring material used to reduce fluid loss and disperse water-based muds. **Lignite** helps produce thin, low permeable filter cakes. **Lignite** also aids in emulsifying oil in water. Lignite is most effective when pH is in the range of 9 - 11.

**Applications:** reduce fluid loss; control rheology; and stabilize properties at high temperatures and contaminants.

**Treatments:** Typical treatments range from 1 - 8 lb/bbl. Lignite has a low pH, which require additions of caustic soda at a ratio of 1 sack caustic to 4 - 6 sx of Lignite.

Daily maintenance treatment are required. Pilot testing is suggested to determine the actual treatment required to obtain the desired properties.

### KEY BENEFITS

- Lower and controlling fluid loss in water-based muds.
- Reduce and control fluid rheology
- Minimizes the potential for differential sticking.

#### Key Properties

|               |             |
|---------------|-------------|
| pH            | 4 - 5       |
| Color         | Black       |
| Physical Form | Powder      |
| Sg            | 1.8         |
| Packaging     | 50 lb Sacks |