

Remote wireless cementing data acquisition system

The remote wireless cementing data acquisition system is composed of wireless data transmitting terminal and receiving terminal. The wireless data acquisition software equipped in wireless data transmitting terminal can be used with SJS newly developed and researched auto mixing control system ACM-IV.1. The related operation information of cementing job data (such as water flow, cement valve position, water valve position, slurry density, plunger pump pressure, discharge rate, etc.) are transmitted to the receiver of wireless data receiving box via wireless communication method, and then printed out in the form of report or curve via wireless data acquisition software installed in laptop.

Wireless data acquisition adopts wireless series port modem for data transmission, avoids the limitation of wired connections and improves the reliability of data transmission and safety of operator. The acquisition system has the features of small volume, easy operation, stable performance, high anti-interference, can ensure long distance signal transmission and applicable for operation in oil field.

Wireless data communication can also adopt Internet for data transmission. The field acquisition terminal transmits job data to remote cementing data server; the server receives real-time job data and stores them into database. Users can monitor real-time job data and check history job data by visiting cementing data server website. If the laptop supports wireless Internet access (equipped with wireless card, etc.), users can monitor job data at any regions with network to realize the remote mobile monitoring.

Internet data communication also adopts BGAN service to realize global satellite communication via maritime satellite, which is convenient for users checking job data through Internet at remote areas where mobile signals can't cover.

Remote wireless cementing data acquisition system is composed of wireless data transmitting terminal and wireless data receiving terminal. The system can realize wireless transmitting and receiving of remote cementing & mixing job data, which has the features of remote communication, stable performance, high anti-interference and applicable for operation in oil field.



Wireless communication cementing data transmitting box



Wireless communication cementing data receiving box



Cementing data Internet transmitting terminal



Cementing data wireless network receiving terminal

