

StrataXaminer™ Imaging Service

PROVIDING HIGH-RESOLUTION BOREHOLE IMAGES IN OIL- AND SYNTHETIC-BASED MUDS

OVERVIEW

The Halliburton StrataXaminer™ imaging service delivers the sharpest images in oil- and synthetic-based muds to visualize and quantify reservoir characteristics and reduce subsurface uncertainty. The StrataXaminer service transmits high-resolution images of the reservoir structure to identify bed dips, open and closed fractures, fault zones, and potential flow barriers with increased accuracy. With this technology, eight imaging pads, with 24 buttons each, use high-frequency signals coupled to the formation to acquire the sharpest images in oil- and synthetic-based muds.

The innovative StrataXaminer service simultaneously captures downhole electrical images at three operating frequencies – an industry first. This enables the tool to operate with oil-based mud or synthetic-based drilling fluids that typically make realistic formation images more difficult. During pre-job planning, operators can set the frequencies to enhance the StrataXaminer range according to local geology and also define parameters during processing to select the best frequency for given formation responses.

The eight-arm StrataXaminer tool can produce 100% image coverage in an 8-inch borehole, using a pad carrier that allows both up and down logs. Combined with in-tool memory, this increases combinability and helps decrease the number of runs in order to save valuable rig time. StrataXaminer service integrates fully with other Halliburton solutions, including the Xaminer® Sonic imaging service. In addition to 100% coverage in 8-inch boreholes, this tool's slim-hole and standard applications have boreholes covered from 5⅝-inch to 19½-inch bit sizes.

BENEFITS

- » High-resolution images of the reservoir
- » Three operating frequencies – an industry first
- » Optimal blended image produced from a single pass
- » 100% image coverage in 8-inch boreholes

FEATURES

- » Finds baffles and conduits to help refine production design
- » Determines in-situ stress from breakouts and induced fractures to provide immediate information about the local stress regime, thus aiding the overall design of the completion program
- » Reduces the size of an operator's coring program and helps select sidewall core locations in real time



TECHNICAL SPECIFICATIONS:

Six-Pad Tool

- » Twenty-four buttons on each pad
- » Six independent arms
- » 78% coverage in 5-7/8-inch holes
- » Multiple-frequency acquisition
- » 35,000-psi version available
- » Maximum temperature of 350°F (176°C)
- » Logging speeds up to 30 feet/minute

Eight-Pad Tool

Same specifications as above, except:

- » Eight independent arms
- » 100% coverage in 8-inch boreholes
- » Down-log capable

StrataXaminer Tool Dimensions and Ratings

	Slim 6-pad	Standard 6-pad	Standard 8-pad
Maximum Temperature	350°F (176.6°C)	350°F (176°C)	350°F (176°C)
Maximum Outside Diameter	5.00 in. (12.7 cm)	5.50 in. (12.7 cm)	6.875 in. (17.46 cm)
Length	27.81 ft (8.48 m) 28.22 ft (8.60 m)*	27.81 ft (8.48 m)	28.24 ft (8.61 m)
Maximum Pressure	20,000 psi (137,895 Kpa) 35,000 psi (241,216 Kpa)	35,000 psi (241, 216 KPA)	35,000 psi (241,216 Kpa)
Minimum Hole	5.875 in. (14.93 cm)	6.5 in. (16.51 cm)	7.875 in. (20 cm)
Maximum Hole	10.5 in. (26.67 cm)	19.5 in. (49.53 cm)	17.5 in. (44.45 cm)
Weight	760 lb (344.73 kg) 834 lb (378.3 kg)*	760 lb (344.73 kg)	1,188 lb (539 kg)

*Slim 6-pad high-pressure tool

Borehole Conditions

Borehole Fluids	Salt <input type="checkbox"/> Fresh <input type="checkbox"/> Oil <input checked="" type="checkbox"/> Air <input type="checkbox"/>
Range of Mud Cake Thickness	0 - 0.1 inch
Recommended Logging Speed (High Data Rate) (Low Data Rate)	30 ft/min (9.1m/min) 10 ft/min (3.0m/min)
Tool Positioning	Centralized <input checked="" type="checkbox"/> Eccentralized <input type="checkbox"/>

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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