DATA SHEET

HALLIBURTON

WELL MONITORING | OPENHOLE LOGGING

StrataXaminer™ images in oil-based mud

High-resolution borehole images in oil-and synthetic-based mud

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 and aid the overall completion program design
- Reduces the size of an operator's coring program and helps select sidewall core locations in real time

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-in. boreholes

SPECIFICATIONS

Six-pad tool

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

Eight-pad tool
Same specifications as above, except:

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

Overview

The Halliburton StrataXaminer™ in oil-based mud imaging service delivers the sharpest images in oil- and synthetic-based mud to visualize and quantify reservoir characteristics and reduce subsurface uncertainty. The tool 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. This technology has eight imaging pads with 24 buttons each that uses high-frequency signals coupled to the formation to acquire the sharpest images in oil-and synthetic-based muds.

The StrataXaminer imaging 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 range of the tool based on local geology and define parameters during processing to select the best frequency for given formation responses.

The eight-arm tool can produce 100% image coverage in an 8-in. borehole using a pad carrier that allows both up and down logs. In-tool memory enhances combinability and reduces the number of runs to save valuable rig time. The StrataXaminer imaging service integrates fully with other Halliburton solutions, to include the Xaminer® Sonic imaging service. This tool's slim hole and 6-arm designs have boreholes covered from 5 7⁄8- to 19 1/2 in. bit sizes.

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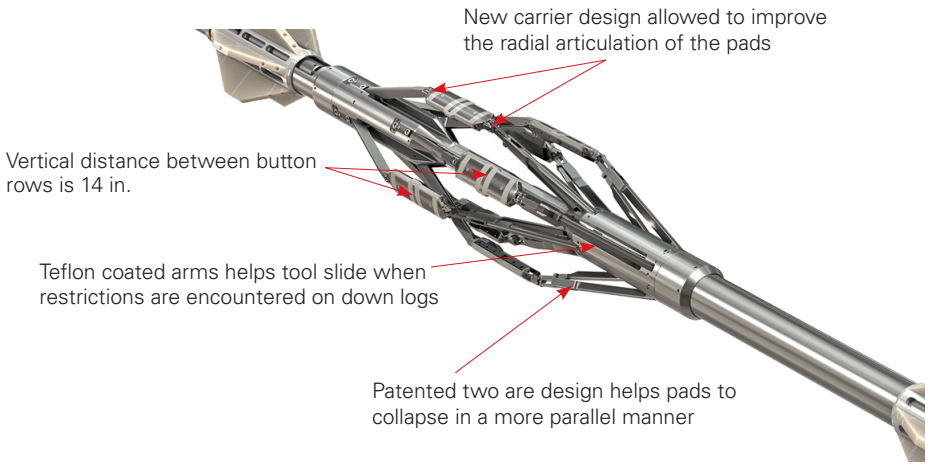
Tool dimensions and ratings

DESCRIPTION	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

DESCRIPTION	DATA
Borehole fluids	Salt ☐ Fresh ☐ Oil ■ Air ☐
Range of mud cake thickness	0 - 0.1 in.
Recommended logging speed (High data rate) (Low data rate)	 30 ft/min (9.1 m/min) 10 ft/min (3.0 m/min)
Tool positioning	Centralized ■ Eccentralized ☐



StrataXaminer™ images in oil-based mud service

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

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