Pioneer Energy Services

Main Pass

Repeat Pass

Main Pass

Repeat Pass

Main Pass

Caliper Report

Apex Well Service Ltd. — Caliper Log Report

Well: 100/16-16-049-05W5/00 — Pembina 16-16-49-5 — Run 1 — 2024-03-15

Hole Diameter Statistics (Interval: 1,200.0 – 2,846.5 m)

Statistic	Value
Minimum	200.0 mm
Maximum	214.6 mm
Mean	203.8 mm
Median	203.2 mm
Standard Deviation	3.1 mm
Nominal Bit Size	200.0 mm

Enlargement Distribution (Above Nominal)

Enlargement	Length	Percent
0 – 2 mm	1,412.0 m	62.4 %
2 – 5 mm	742.5 m	32.8 %
5 – 10 mm	96.0 m	4.2 %
> 10 mm	11.0 m	0.5 %

Washout Zones

Depth	Max Diameter	Length
1,847.2 m	214.6 mm	1.8 m
2,312.0 m	211.4 mm	1.2 m
2,701.5 m	208.9 mm	0.6 m

Key Points

- Minimum diameter: 200.0 mm (bit size)
- Maximum diameter: 214.6 mm at 1,847.2 m
- Average enlargement: 3.8 mm
- Hole Condition: Good

Comments

Caliper arm: 8.5 in. Data quality: Good. Washout zones correlate with soft shale intervals. No tight spots encountered.

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