



## CASE STUDY #404: MARCELLUS/UTICA

# SPEED AT EVERY STAGE.

**64 PLUGS DRILLED OUT**  
WITH ONE TRIP, ONE MOTOR, ONE BIT

**80+ HOURS**  
SHAVED OFF TOTAL DRILL-OUT TIME  
BASED ON INDUSTRY STANDARD

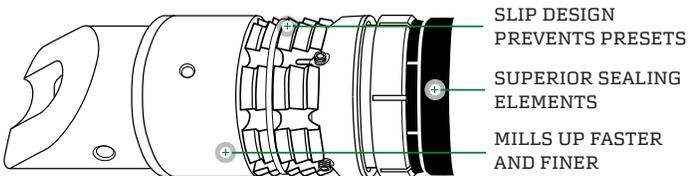
### CHALLENGE

In the Marcellus/Utica, longer laterals with higher stage counts are becoming the new norm. So when an area operator began systematically increasing stage counts from 15 to 30 and all the way to 64, they needed a frac plug that could handle the job better than any other option out there. One that could not only drill out quickly—but also create a manageable debris size during mill-up. They needed performance only Magnum could deliver.

### HIGHLIGHTS

- 64 total stages
- Longer laterals for Marcellus/Utica (10,000+ ft.)
- Needed dependable, quick-mill plug
- Debris management a concern

MAGNUM RAPID MILL™ FRAC PLUG



### SOLUTION

Magnum recommended the Rapid Mill™ frac plug. This product is designed with a high-performance composite material to drill out in 20 minutes or less, helping operators manage higher stage counts and tighter schedules. Additionally, the Rapid Mill™ offers consistently smaller mill-up debris over the competition—so debris management is never an issue.

### RESULTS

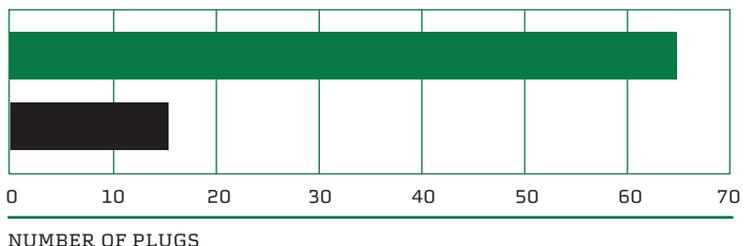
The operator could have faced over four consecutive days of drill-out time with the standard plug. But not with the Rapid Mill™. The customer was able to power through all 64 plugs in only 25 hours. No failures. No delay due to stuck debris. All with one trip, one motor and one bit.

### HIGHLIGHTS

- 64 plugs drilled out in 25 hours
- Drilled out all plugs with one trip, one motor, one bit
- Reduced overall risk

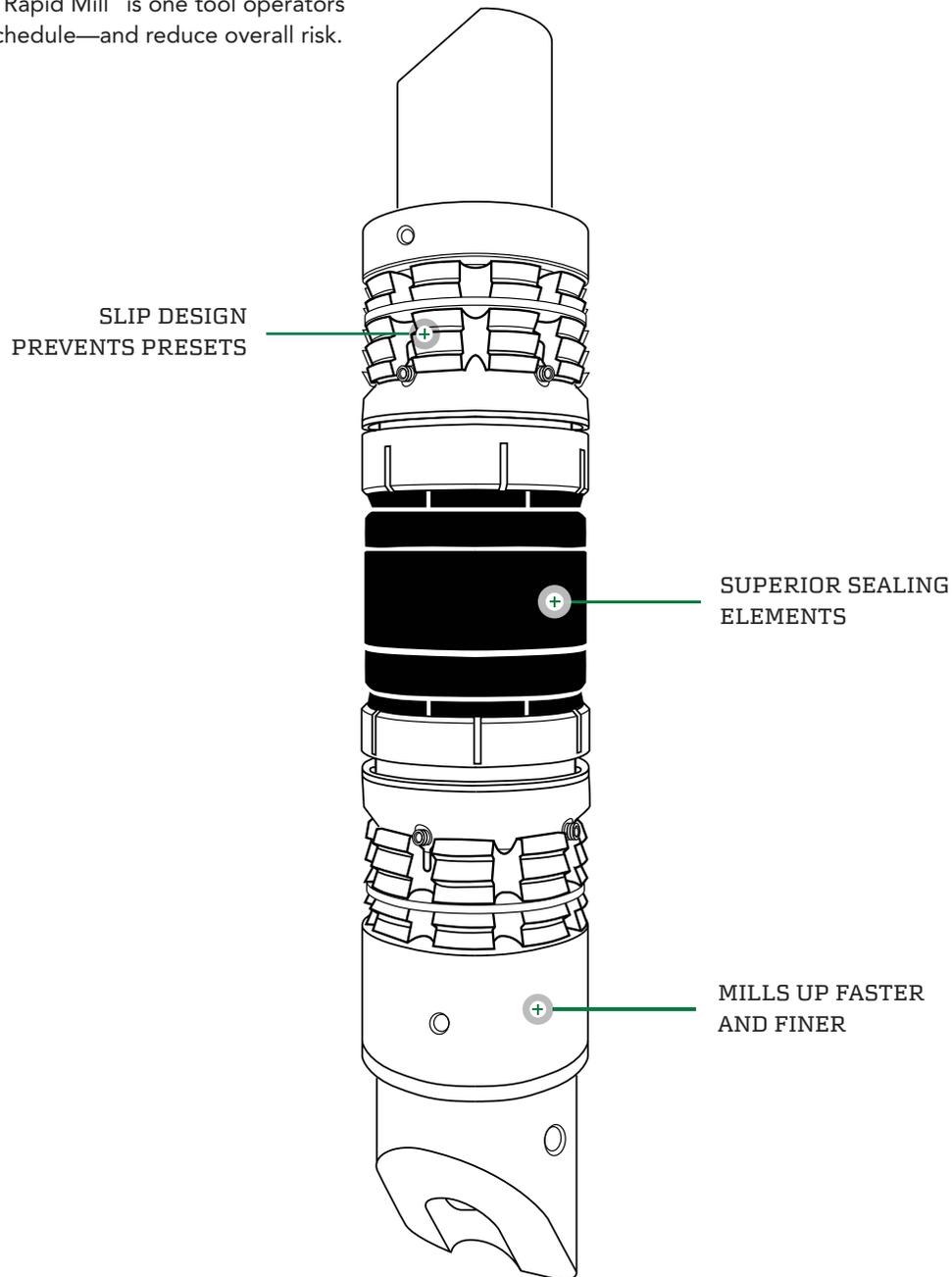
PLUGS DRILLED OUT IN 25 HRS.

**MAGNUM RAPID MILL™**  
**STANDARD PLUG**



## The Magnum Rapid Mill™

Out in the field, speed is the name of the game—especially in the Northeast. That's why the Magnum Rapid Mill™ frac plug was designed to deliver reliable performance, and fast. With consistent drill times of 20 minutes or less and a composite material that mills up consistently finer, the Rapid Mill™ is one tool operators can trust to stay on schedule—and reduce overall risk.



For more, visit [magnumoiltools.com](http://magnumoiltools.com)