

**MACH NATURAL RESOURCES LP**  
**14201 Wireless Way, Suite 300**  
**Oklahoma City, Oklahoma 73134**

October 20, 2023

**VIA EDGAR**

United States Securities and Exchange Commission  
Division of Corporation Finance  
Office of Energy & Transportation  
100 F Street, N.E.  
Washington, D.C. 20549

**Re: Mach Natural Resources LP**  
**Request for Acceleration of Effectiveness of Registration Statement on Form S-1**  
**Registration No. 333-274662**

Ladies and Gentlemen:

Pursuant to Rule 461 under the Securities Act of 1933, as amended, Mach Natural Resources LP, a Delaware limited partnership (the "Partnership"), hereby requests acceleration of the effective date of the above referenced Registration Statement to 3:00 p.m., Eastern Time, on October 24, 2023, or as soon thereafter as practicable, or at such other time as the Partnership or its outside counsel, Kirkland & Ellis LLP, request by telephone that such Registration Statement be declared effective.

Please contact Julian J. Seiguer or Michael W. Rigdon of Kirkland & Ellis LLP, special counsel to the Partnership, at (713) 836-3334 or (713) 836-3647, respectively, as soon as the Registration Statement has been declared effective, or if you have any other questions or concerns regarding this matter.

Sincerely,

/s/ Tom L. Ward

Tom L. Ward

Chief Executive Officer