

☐ Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
or Section 30(h) of the Investment Company Act of 1940

☐ Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.

1. Name and Address of Reporting Person* <u>McMullen William Wallace</u> (Last) (First) (Middle) <u>14201 WIRELESS WAY</u> <u>SUITE 300</u> (Street) <u>OKLAHOMA CITY OK 73134</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>MACH NATURAL RESOURCES LP [MNR]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) ☒ Director ☒ 10% Owner Officer (give title below) ☒ Other (specify below) <u>See Remarks</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>09/15/2026</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person ☒ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Units	09/15/2026		P		22,124	A	\$11.25	22,124	D	
Common Units	09/15/2026		P		12,390	A	\$11.3 ⁽¹⁾	74,872,307	I	See footnote ⁽¹⁾⁽²⁾

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

1. Name and Address of Reporting Person* <u>McMullen William Wallace</u> (Last) (First) (Middle) <u>14201 WIRELESS WAY</u> <u>SUITE 300</u> (Street) <u>OKLAHOMA CITY OK 73134</u> (City) (State) (Zip)
1. Name and Address of Reporting Person* <u>BAYOU CITY ENERGY MANAGEMENT LLC</u> (Last) (First) (Middle) <u>C/O BAYOU CITY ENERGY, L.P.</u> <u>2229 SAN FELIPE STREET, SUITE 1075</u> (Street) <u>HOUSTON TX 77019</u> (City) (State) (Zip)

(City)	(State)	(Zip)
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Explanation of Responses:

1. The price reported in Column 4 is a weighted average price. These common units were purchased by Bayou City Energy Management LLC ("BCEM") in multiple transactions at prices ranging from \$11.28 to \$11.30, inclusive. The Reporting Persons undertake to provide to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of common units purchased at each separate price within the ranges set forth in this footnote (1) to this Form 4.

2. The reported common units are directly held 74,835,939 by BCE Mach Aggregator LLC ("BCE Aggregator") and 36,368 by BCEM. BCE Aggregator is indirectly managed by BCEM. William W. McMullen is the Managing Partner of BCEM. Accordingly, William W. McMullen may be deemed to beneficially own the securities directly held by BCE Aggregator and BCEM, as applicable, but disclaims beneficial ownership of such common units except to the extent of his pecuniary interest therein.

Remarks:

William W. McMullen is a Director of Mach Natural Resources GP LLC, the general partner of the Issuer (the "General Partner"). The Issuer is managed by the directors and executive officers of the General Partner.

<u>William W. McMullen, By: /s/</u>	<u>09/17/2026</u>
<u>William W. McMullen</u>	
<u>Bayou City Energy Management</u>	
<u>LLC, By: /s/ William W.</u>	
<u>McMullen, Name: William W.</u>	<u>09/17/2026</u>
<u>McMullen, Title: Managing</u>	
<u>Partner</u>	

** Signature of Reporting Person	Date
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.