1. Name and Address of Reporting Person*  
Chalmers Mark  
(Street) C/O ENERGY FUELS INC. 225 UNION BLVD., SUITE 600  
(City) LAKEWOOD CO  
(State) 80228  
(Zip)

2. Issuer Name and Ticker or Trading Symbol  
ENERGY FUELS INC [ UUUU ]

3. Date of Earliest Transaction (Month/Day/Year)  
08/07/2019

4. If Amendment, Date of Original Filed  

5. Relationship of Reporting Person(s) to Issuer  
(Develop all applicable)  
Director  
Officer (give title below)  
President & CEO  

6. Individual or Joint/Group Filing (Check Applicable Line)  
X 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

<table>
<thead>
<tr>
<th>1. Title of Security (Instr. 3)</th>
<th>2. Transaction Date (Month/Day/Year)</th>
<th>2A. Deemed Execution Date, if any (Month/Day/Year)</th>
<th>3. Transaction Code (Instr. 8)</th>
<th>4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)</th>
<th>5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)</th>
<th>6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>7. Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Shares</td>
<td>08/07/2019</td>
<td>P</td>
<td>6,277</td>
<td>A</td>
<td>$1.5795</td>
<td>414,288</td>
<td>D</td>
</tr>
<tr>
<td>Common Shares</td>
<td>08/07/2019</td>
<td>P</td>
<td>6,121</td>
<td>A</td>
<td>$1.61</td>
<td>420,409</td>
<td>D</td>
</tr>
</tbody>
</table>

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

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

Explanation of Responses:  
Mark S. Chalmers 08/08/2019  
** Signature of Reporting Person  Date

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).  
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.