



**FLASHED CRUDE OIL LIQUID STUDIES  
CERTIFICATE OF ANALYSIS**

|                  |                      |                  |                         |
|------------------|----------------------|------------------|-------------------------|
| Company:         | <b>Mull Drilling</b> | Sample Name:     | <b>Petlon Heirs A</b>   |
| Date Sampled:    | 05/06/2014           | Sample Number:   | 14051308-09             |
| Sample Location: | Colorado             | Date Tested:     | 05/27/2014              |
| Type Sample:     | SPOT                 | Date Reported:   | 5/29/2014               |
| County:          | NI                   | Sampling Method: | Unpressurized Quart Can |

**TEST PERFORMED**

**RESULTS DATE TESTED**

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|   |        |           |
|---|--------|-----------|
| H2S CONTENT (UOP-163), ppmS, measured       | <1     | 5/27/2014 |
| MERCAPTAN CONTENT (UOP-163), ppmS, measured | 43.179 | 5/27/2014 |