## US Williston Basin Oil Production - 2013

<table>
<thead>
<tr>
<th>MONTH</th>
<th>ND</th>
<th>Eastern MT*</th>
<th>SD</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>739,072</td>
<td>70,598</td>
<td>4,617</td>
<td>814,287</td>
</tr>
<tr>
<td>February</td>
<td>781,305</td>
<td>71,861</td>
<td>4,891</td>
<td>858,057</td>
</tr>
<tr>
<td>March</td>
<td>786,347</td>
<td>73,406</td>
<td>5,111</td>
<td>864,864</td>
</tr>
<tr>
<td>April</td>
<td>793,687</td>
<td>76,027</td>
<td>5,131</td>
<td>874,845</td>
</tr>
<tr>
<td>May</td>
<td>811,763</td>
<td>75,058</td>
<td>4,800</td>
<td>891,621</td>
</tr>
<tr>
<td>June</td>
<td>823,376</td>
<td>73,547</td>
<td>4,781</td>
<td>901,704</td>
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<tr>
<td>July</td>
<td>874,208</td>
<td>75,854</td>
<td>4,678</td>
<td>954,740</td>
</tr>
<tr>
<td>August</td>
<td>911,477</td>
<td>75,727</td>
<td>4,877</td>
<td>992,080</td>
</tr>
<tr>
<td>September</td>
<td>932,962</td>
<td></td>
<td>5,017</td>
<td>--</td>
</tr>
<tr>
<td>October</td>
<td>941,637</td>
<td></td>
<td></td>
<td>--</td>
</tr>
<tr>
<td>November</td>
<td></td>
<td></td>
<td></td>
<td>--</td>
</tr>
<tr>
<td>December</td>
<td></td>
<td></td>
<td></td>
<td>--</td>
</tr>
</tbody>
</table>
Estimated Williston Basin Oil Transportation

- Estimated Pipeline Export: 23%
- Tesoro Refinery: 7%
- Truck to Canadian Pipelines: 1%
- Estimated Rail: 69%

October 2013
Estimated Williston Basin Oil Transportation

- Estimated Rail
- Estimated Pipeline Export
- Tesoro Refinery
- Truck to Canadian Pipelines
Estimated ND Rail Export Volumes

Barrels Per Day


0  100,000  200,000  300,000  400,000  500,000  600,000  700,000  800,000
Crude Oil Prices – Dec. 13, 2013

Cushing $96.36

Brent $108.06
WTI + $11.70

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JJ Kringstad - North Dakota Pipeline Authority
Solving the Flaring Challenge

**Simple Terms**

**Orange** – Challenges on existing infrastructure

**Blue** – Lack of pipelines

**GREEN** – % of gas captured and sold

**Orange** – % flared from wells with at least one mcf sold.

**Blue** – % flared from zero sales wells

Statewide

August 2013 Data – Non-Confidential Wells
Capturing the 12%
Faster Well Connections

New Gas Sales Wells Per Month

- New Wells Selling Gas
- New Producing Wells
Contact Information

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