

CERTIFICATE OF ANALYSIS

<u>MaxxID</u>		<u>Client ID</u>	<u>Meter Number</u>	<u>B914402:VH1942-01</u> <i>Laboratory Number</i>
AGES THERMAL PROCESSING CORP				
<u>Operator Name</u>		<u>LSD</u>	<u>Well ID</u>	
AGES THERMAL PROCESSING		N/A	AGES THERMAL PROCESSING	
<u>Well/Plant/Facility</u>		<u>Initials of Sampler</u>	<u>Sampling Company</u>	
		22819-001 (BARREL)	GLASS BOTTLE	
<u>Field or Area</u>	<u>Pool or Zone</u>	<u>Sample Point</u>	<u>Container Identity</u>	<u>Percent Full</u>
<u>Test Recovery</u>		<u>Interval</u>	<u>Elevations (m)</u>	<u>Sample Gathering Point</u>
<u>Test Type</u>	<u>No.</u>	<u>Multiple Recovery</u>	<u>KB</u>	<u>GRD</u>
<u>Production Rates</u>		<u>Gauge Pressures kPa</u>	<u>Temperature °C</u>	
<u>Water m³/d</u>	<u>Oil m³/d</u>	<u>Source</u>	<u>As Received</u>	<u>23.0</u>
<u>Gas 1000m³/d</u>		<u>Source</u>	<u>As Received</u>	
<u>2019/02/13</u>	<u>2019/02/28</u>	<u>2019/03/12</u>	<u>2019/03/22</u>	<u>SM1,DRE</u>
<u>Date Sampled Start</u>	<u>Date Sampled End</u>	<u>Date Received</u>	<u>Date Reported</u>	<u>Date Reissued</u>
				<u>Analyst</u>

PARAMETER DESCRIPTION	RESULT	UNIT	METHOD	RDL
Dean Stark Analysis				
Mass Bitumen	49.21	g	OSRD Method 1.0	0.01
Mass Solids	163.89	g	OSRD Method 1.0	0.01
Mass Water	14.83	g	OSRD Method 1.0	0.01
Mass Total	229.97	g	OSRD Method 1.0	0.01
Mass % Bitumen	21.40	wt%	OSRD Method 1.0	0.01
Mass % Solids	71.27	wt%	OSRD Method 1.0	0.01
Mass % Water	6.45	wt%	OSRD Method 1.0	0.01
Mass % Recovery	99.11	wt%	OSRD Method 1.0	0.01
Measured Properties				
Total Sediment	93.000	vol%	ASTM D4007	0.025
Total Water Content	<0.025	vol%	ASTM D4007	0.025
Total Sediment and Water	93.000	vol%	ASTM D4007	0.025

Results relate only to items tested

Remarks:

Reference Method suffix "M" indicates test methods incorporate validated modifications from specific reference methods to improve performance.