DEFINITIVE OPTIMIZATION

SURFACE CASING VENT TEST

INNOVATIVE RESOURCES LTD.
Innovative HZ PROLIFIC 01-02-03-04
100/01-02-03-04W4/00
FIELD: PROLIFIC

Test Date: January 21 - 24, 2014

Distribution: John Doe – Calgary, Ab.
Prepared by: Definitive Analyst
Report Date: January 24, 2014
Surface Casing Vent Flow/Gas Migration Data Sheet

The licensee certifies that the information on this sheet is correct and that the vent flow or gas migration repair will be done according to regulatory requirement or as directed by the AER.

Date: 21-Jan-14
Your File No.

1: General Information and Certification
Licensee: INNOVATIVE RESOURCES LTD.
Agent: Definitive Optimization
Consultant: Definitive Optimization
Contact Person: John Duncan
Phone Number: 1(855) 933-3678
Fax Number:

2: Well Test Information
Licence Number: 399873
Unique Identifier: 100/01-02-03-04W4/00
Date Tested: January 21 - 24, 2014

3. Surface Casing Vent Flow Test Data
3.1 Vent Flow Exists: YES
3.2 Test Type: P.D. Meter

3.3 Type of Flow: GAS
The Flow is: SWEET

3.4 Casing Information:
Surface Casing: Depth (m): 315.0 Size (mm): 244.0 Weight (kg/m):
Producing Casing: Depth (m): 1158.0 Size (mm): 177.8 Weight (kg/m):

3.5 Cementing Details:
Cement Top (m): N/A
Describe cementing details: N/A

Should review of Surface Casing cementing procedures indicate the cement top meets the AER ID directive 2003-1 requirements, the well may be classified as "Non-Serious".

3.6 Vent Flow Data:
Leak-off Pressure Gradient (kPa/m) Stabilized Build-up Pressure (kPag) Stabilized Build-up Pressure (kPaa) Flow Rate (m³/d): 1.83 Duration (hrs): 214.92 Source of Flow (m depth): Is Vent Tied-in? No

3.7 Groundwater Information:
Depth of Usable Water Aquifers (m) 258.9 Nearest Domestic Water Well (m) 514 Deepest Water Well within 1 km 7.6

Flow Tested by: Definitive Optimization

Report Completed By: Def Opt Analyst
## SURFACE CASING VENT TEST FIELD DATA

### 100/01-02-03-04W4/00

<table>
<thead>
<tr>
<th>ELAPSED TIME</th>
<th>SURFACE CASING PRESSURE (kPa-ga)</th>
<th>PD METER READING (cu. ft.)</th>
<th>AS MEASURED GAS FLOW RATE (m³/d)</th>
<th>CORRECTED GAS FLOW RATE (m³/d @ STP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHUT-IN (hrs)</td>
<td>FLOWING (hrs)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Surface Casing Vent found OPEN.

The production casing pressure was recorded at 447 kPa(g) - OPEN.
The tubing pressure was recorded at 427 kPa(g) - OPEN

Type of flow recorded: SWEET GAS.

Rig in positive displacement (PD) meter and open flow through meter.

Rig out PD meter. Rig in pressure recorder. Shut-in for buildup.

Days to stabilization: 3
Rig out pressure recorder.
Terminate test.
Surface Casing Vent left OPEN.

### Wellhead Assumptions

<table>
<thead>
<tr>
<th>For Corrected Volume</th>
<th>93 Atm. (kPa)</th>
<th>15.6 Degrees C.</th>
</tr>
</thead>
</table>

NOTE: A gurgling (liquid) sound could be heard when bleeding down the surface casing vent pressure following the build-up.
SURFACE CASING VENT PRESSURE BUILD-UP

100/01-02-03-04W4/00 Surface Casing Vent Pressure

Run 100 01-02-03-04W4
Gauge WIKA, CPG1000, 2750120, 4.04
Log Type CONTINUOUS
Sample Type INTERVAL END
Interval 10 minutes
Unit KPAL
Custom Factor 1.000 / psi
Trip Setpoint 0.0 KPAL
Trip Reset 0.0 KPAL
Initial Zero -6.9 KPAL
Initial Tare 0.0 KPAL