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**

Definitive Optimization
AER/OGC Requirements - Oil/Gas Optimization – Technical Services
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Surface Casing Vent Flow/Gas Migration Data Sheet

You must complete a separate form for each well and submit the form to the appropriate AER area office. The Well Abandonment Guide comes with a pad of additional data sheets; more copies are available from AER Information Services. (403) 297-8190; fax: (403) 297-7040

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 Indentifier:* 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

	Non - Serious		**Considered Non - Serious**		**Serious**

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)		Flow Rate (m^3/d):	1.83
Stabilized Build-up Pressure (kPag)	2214	Duration (hrs)	214.92
Stabilized Build-up Pressure (kPaa)	2307	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

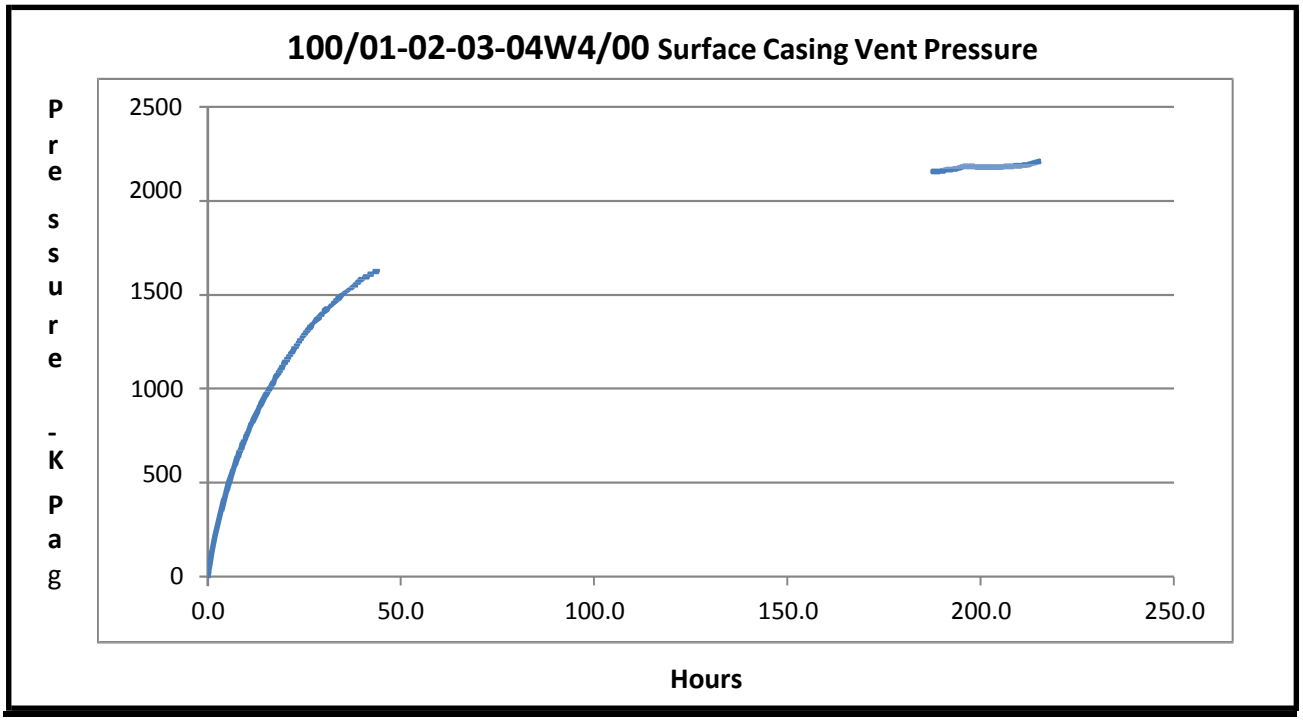
100/01-02-03-04W4/00

	ELAPSED TIME		SURFACE CASING PRESSURE	PD METER READING	AS MEASURED GAS FLOW RATE	CORRECTED GAS FLOW RATE
	SHUT-IN (hrs)	FLOWING (hrs)	(kPa-ga)	(cu. ft.)	(m^3/d)	(m^3/d @ STP)
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.						
01/21/2014 10:54		0.00		108221		
01/22/2014 13:23		26.48		108299	2.00	1.83
Rig out PD meter. Rig in pressure recorder. Shut-in for buildup.						
01/22/2014 13:25	0.00					
01/24/2014 12:20	214.92		2214			
Days to stabilization: 3						
Rig out pressure recorder.						
Terminate test.						
Surface Casing Vent left OPEN.						

Wellhead Assumptions For Corrected Volume		
	93	Atm. (kPa)
	15.6	Degrees C.

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



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