

# **PSV TESTING**

30" QUADRUPLES SEPARATOR PACKAGE  
CORDOVA D-55-A/94-P-10 FACILITY  
PENN WEST EXPLORATION  
P.O. # PEI-A13370663-01  
C/O PIONEER ENGINEERING INC  
CADO PROJECT # 2013-070 UNIT 1 OF 2

**CADO INDUSTRIES INC.**

7491 – 110 AVENUE SE CALGARY, AB T2C 3B8 TEL 403-279-6662 FAX 403-279-6687

# FARRIS PRESSURE MANAGEMENT

## EDMONTON FACILITY INSPECTION TEST REPORT

Farris Pressure Management  
a Division of Spartan Controls

<b>CUSTOMER</b>	<b>ORDER#</b>	<b>Farris WO#</b>	<b>Metal Tag:</b>
Cado Industries Inc	2077522	2077522-002	
<b>PO:</b>	2013-070-8697		
<b>Req#</b>	8697- 070		<b>Sup. Tag:</b>

<b>MODEL:</b>	<b>TYPE:</b>	<b>VALVE SIZE:</b>	<b>ORIFICE</b>	<b>FactorySerial#</b>	<b>CRN#</b>
26EA13-120/00	2600	1"600RFx2"150RF	E	607569-23-A10	0G8442.5R2CL


**SERVICE:**

SERVICE: Gas StampSymbol: UV NB

CAPACITY: 5657 SCFM Metric Only: No

Set Pressure	Back Pressure	Diff	Cold Diff	Temp. Corr.	Temperature
1440 PSIG	0 PSIG	1440 PSIG	1440 PSIG	0 PSIG	60 F (16 C)

**MATERIAL/HEAT NUMBER ASSIGNMENT:**

Body	Y7165	Nozzle	B3K6	Valve Inspected for Hydro Tested Parts	
Bonnet	Y6222	Disc	A3E5		

**PERFORMANCE TEST DATA:**

TEST FLUID  Air  Water  Air Over Water

Final Test Pressure 1440 PSIG  KPAG

Upper B.D.R. Setting: \_\_\_\_\_ Notches

Lower B.D.R. Setting: -20 Notches

Shop Test Gauges Used: 1. S11M 2. S11J

**BACK PRESSURE TEST:**

Not Applicable, (Open Bonnet / Cap Design)

120 PSIG Air

**SEAT TIGHTNESS TEST: API-527**

TEST FLUID  Air  Water  Air Over Water

Req'd At  90%  95% Of Set Pressure

Leak Test Pressure 1296 PSIG \_\_\_\_\_ KPAG

No Visible Leaks

Leak Rate 8 B.P.M.

Final Inspection / Tech Tested [Signature]

Date Tested 28 Nov 13

**FOR WITNESS TESTING ONLY**

Tested By: \_\_\_\_\_ Date: \_\_\_\_\_

Customer Witness: \_\_\_\_\_ Farris Witness: \_\_\_\_\_

# FARRIS PRESSURE MANAGEMENT

## EDMONTON FACILITY INSPECTION TEST REPORT

Farris Pressure Management  
a Division of Spartan Controls

<b>CUSTOMER</b>	<b>ORDER#</b>	<b>Farris WO#</b>	<b>Metal Tag:</b>
Cado Industries Inc	2077522	2077522-001	
<b>PO:</b>	2013-070-8697		
<b>Req#</b>	8697-070		<b>Sup. Tag:</b>

<b>MODEL:</b>	<b>TYPE:</b>	<b>VALVE SIZE:</b>	<b>ORIFICE</b>	<b>FactorySerial#</b>	<b>CRN#</b>
26EA13-120/00	2600	1"600RFx2"150RF	E	601682-3-A10	0G8442.5R2CL

**SERVICE:**

SERVICE: Gas Stamp Symbol: UV NB

CAPACITY: 5657 SCFM Metric Only: No

<u>Set Pressure</u>	<u>Back Pressure</u>	<u>Diff</u>	<u>Cold Diff</u>	<u>Temp. Corr.</u>	<u>Temperature</u>
1440 PSIG	0 PSIG	1440 PSIG	1440 PSIG	0 PSIG	60 F (16 C)

**MATERIAL/HEAT NUMBER ASSIGNMENT:**

Body Y4162	Nozzle 9W027-LP0	Valve Inspected for Hydro Tested Parts <span style="border: 1px solid black; padding: 2px;">DS</span>
Bonnet Y6269	Disc S79141	

**PERFORMANCE TEST DATA:**

TEST FLUID	Final Test Pressure	Upper B.D.R. Setting:
<input checked="" type="checkbox"/> Air	1440 PSIG	Notches
<input type="checkbox"/> Water		Lower B.D.R. Setting: -20 Notches
<input type="checkbox"/> Air Over Water		Shop Test Gauges Used: 1. S11M 2. S11J

**BACK PRESSURE TEST:**

Not Applicable, (Open Bonnet / Cap Design)

120 PSIG Air

**SEAT TIGHTNESS TEST: API-527**

TEST FLUID	Req'd At	Leak Test Pressure	PSIG	KPA
<input checked="" type="checkbox"/> Air	<input checked="" type="checkbox"/> 90%	1296		
<input type="checkbox"/> Water	<input type="checkbox"/> 95% Of Set Pressure	No Visible Leaks	<input type="checkbox"/>	
<input type="checkbox"/> Air Over Water	Leak Rate	10	B.P.M.	Final Inspection / Tech Tested <span style="border: 1px solid black; padding: 2px;">DS</span>
				Date Tested 28 Nov / 13

**FOR WITNESS TESTING ONLY**

Tested By: \_\_\_\_\_ Date: \_\_\_\_\_

Customer Witness: \_\_\_\_\_ Farris Witness: \_\_\_\_\_

# FARRIS PRESSURE MANAGEMENT

## EDMONTON FACILITY INSPECTION TEST REPORT

Farris Pressure Management  
a Division of Spartan Controls

<b>CUSTOMER</b>	<b>ORDER#</b>	<b>Farris WO#</b>	<b>Metal Tag:</b>
Cado Industries Inc	2077522	2077522-008	
<b>PO:</b>	2013-070-8697		
<b>Req#</b>	8697-070		<b>Sup. Tag:</b>

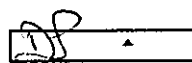
<b>MODEL:</b>	<b>TYPE:</b>	<b>VALVE SIZE:</b>	<b>ORIFICE</b>	<b>FactorySerial#</b>	<b>CRN#</b>
26EA13-120/00	2600	1"600RFx2"150RF	E	630417-3-A10	0G8442.5R2CL

**SERVICE:**

SERVICE: Gas StampSymbol: UV NB  
CAPACITY: 5657 SCFM Metric Only: No

<u>Set Pressure</u>	<u>Back Pressure</u>	<u>Diff</u>	<u>Cold Diff</u>	<u>Temp. Corr.</u>	<u>Temperature</u>
1440 PSIG	0 PSIG	1440 PSIG	1440 PSIG	0 PSIG	60 F (16 C)

**MATERIAL/HEAT NUMBER ASSIGNMENT:**

Body Y9599 Nozzle E5H8 Valve Inspected for Hydro Tested Parts   
Bonnet Y9567 Disc C7L0

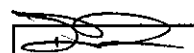
**PERFORMANCE TEST DATA:**

TEST FLUID  Air  Water  Air Over Water  
Final Test Pressure 1440 PSIG  
Upper B.D.R. Setting: \_\_\_\_\_ Notches  
Lower B.D.R. Setting: -20 Notches  
Shop Test Gauges Used: 1. S11M 2. S11J

**BACK PRESSURE TEST:**

Not Applicable, (Open Bonnet / Cap Design)  
 120 PSIG Air

**SEAT TIGHTNESS TEST: API-527**

TEST FLUID Reqd At Leak Test Pressure 1296 PSIG \_\_\_\_\_ KPAG  
 Air  90% No Visible Leaks   
 Water  95% Of Set Pressure Leak Rate 0 B.P.M. Final Inspection / Tech Tested   
 Air Over Water Date Tested 28 Nov / 13

**FOR WITNESS TESTING ONLY**

Tested By: \_\_\_\_\_ Date: \_\_\_\_\_  
Customer Witness: \_\_\_\_\_ Farris Witness: \_\_\_\_\_

# FARRIS PRESSURE MANAGEMENT

## EDMONTON FACILITY INSPECTION TEST REPORT

Farris Pressure Management  
a Division of Spartan Controls

<b>CUSTOMER</b>	<b>ORDER#</b>	<b>Farris WO#</b>	<b>Metal Tag:</b>
Cado Industries Inc	2077522	2077522-006	
<b>PO:</b>	2013-070-8697		
<b>Req#</b>	8697-070		<b>Sup. Tag:</b>

<b>MODEL:</b>	<b>TYPE:</b>	<b>VALVE SIZE:</b>	<b>ORIFICE</b>	<b>FactorySerial#</b>	<b>CRN#</b>
26EA13-120/00	2600	1"600RFx2"150RF	E	630417-2-A10	0G8442.5R2CL

**SERVICE:**

SERVICE: Gas StampSymbol: UV NB

CAPACITY: 5657 SCFM Metric Only: No

<u>Set Pressure</u>	<u>Back Pressure</u>	<u>Diff</u>	<u>Cold Diff</u>	<u>Temp. Corr.</u>	<u>Temperature</u>
1440 PSIG	0 PSIG	1440 PSIG	1440 PSIG	0 PSIG	60 F (16 C)

**MATERIAL/HEAT NUMBER ASSIGNMENT:**

Body	Y9198	Nozzle	E5H8	Valve Inspected for Hydro Tested Parts	<i>DP</i>
Bonnet	Y9568	Disc	C7L0		

**PERFORMANCE TEST DATA:**

TEST FLUID  Air  Water  Air Over Water

Final Test Pressure 1440 PSIG  KPAG

Upper B.D.R. Setting: \_\_\_\_\_ Notches

Lower B.D.R. Setting: -20 Notches

Shop Test Gauges Used: 1. S11M 2. S11J

**BACK PRESSURE TEST:**

Not Applicable, (Open Bonnet / Cap Design)

120 PSIG Air

**SEAT TIGHTNESS TEST: API-527**

TEST FLUID Req'd At Leak Test Pressure 1296 PSIG \_\_\_\_\_ KPAG

Air  90% No Visible Leaks

Water  95% Of Set Pressure Leak Rate 2 B.P.M. Final Inspection / Tech Tested *DP*

Air Over Water Date Tested 28 Nov 13

**FOR WITNESS TESTING ONLY**

Tested By: \_\_\_\_\_ Date: \_\_\_\_\_

Customer Witness: \_\_\_\_\_ Farris Witness: \_\_\_\_\_