



465949

**Field Inspection Report**

Vessel # 465949

<b>Client</b>	Canadian Natural Resources Ltd.		<b>Inspection Date</b>	2003/06/16	
<b>Prov. Reg.#</b>	465949		<b>Insp. Type</b>	VE/UT	
<b>Equipment</b>	Sales Cyclone Separator		<b>Location</b>	Clearhills	
<b>Tag/Equip. #</b>			<b>LSD</b>	16-11-88-13W6	
<b>Vessel Status</b>	In Service		<b>Comp./Unit</b>		
<b>Manufacturer</b>	Compact	<b>Serial #</b>	C0165251	<b>MAWP/Temp</b>	2000 psi 200 F
<b>CRN #</b>	P5547.21	<b>Shell Material</b>	SA-516-70-N	<b>Shell Thick.</b>	2.000 in
<b>Corrosion All.</b>	0.125 in	<b>Head Material</b>	SA-516-70-N	<b>Head Thick.</b>	1.900 in
<b>Manway</b>	No	<b>Head Material 2</b>		<b>Head Thick. 2</b>	in
<b>Coating</b>	No	<b>Channel Material</b>		<b>Channel Thick.</b>	in
<b>Diameter</b>	30 in	<b>Length</b>	in	<b>Height</b>	144 in
<b>Year Built</b>	2002	<b>Next Inspection</b>	2007		<b>Next Insp. Type</b>
<b>Service</b>	Sour			<b>Job #</b>	03-203

<b>PSV #.</b>	249081				
<b>Mfg.</b>	Crosby	<b>Serial #</b>	249081	<b>Set Pressure</b>	1480 psi
<b>Type/Model</b>	JOSE45A	<b>Capacity</b>	37818 SCFM	<b>Size</b>	3.000 in
<b>Date of Service</b>	2002/06/16	<b>Next Service</b>	2007	<b>Service Co.</b>	Unified Valve

**Observations:**

External

The vessel is in good condition both inside and outside the building, no damage on coating. The level gauge assembly, pressure gauge are in good shape. The ground cable appears tight. About 7 nozzles are not being used, blinded off. The vessel is protected by vessel with A#454859 (this will be removed from service).

Internal

None at this time.

AB-40 to be attached

#111,4808 - 87 Street, Edmonton, Alberta T6E 5W3  
Phone: (780) 469-2401 Fax (780) 468-2422

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UT

Random, measurements in inches  
Bottom Head - 1.924 to 2.046  
Bottom Shell - 2.034 to 2.045  
Opposite Inlet Nozzle - 2.037 to 2.046

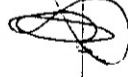
**Recommendations:**

No concern at this time.

Inspector:

  
Rex Sadaba

Reviewed by:



AB-40 to be attached

# Certificate of Inspection

CANADIAN NATURAL RESOURCES LTD  
855-2 STREET SW, SUITE 2500

CALGARY, AB  
T2P 4J8

LOCATION: PORTABLE - CALGARY *STOCK*  
DESCRIPTION: COMPACT VERTICAL CYCLONE SEPARATOR  
COMPANY CODE:  
MANUFACTURER: COMPLETE PACKAGE

PREFERRED RE-INSP. INTERVAL: 2.00 Yr.

YEAR BUILT: 2002  
CRN: P5547.2  
SERIAL #: C01-6525-1

VOLUME: 0.719 M3  
HEATING SURFACE:  
SURFACE AREA:  
Safety Valves

PART	MAX. AUTHORIZED WORKING PRESSURE	MAX. TEMP	MIN. TEMP	VALVE ID	SETTING	CAPACITY	LOCATION
VESSEL	13790 KPA	104 C	-29 C	SV1			TO BE INSTALLED

### OWNER INSTRUCTIONS/REMARKS:

CONTACT THE ABSA SAFETY CODES OFFICER BEFORE PLACING THE VESSEL/BOILER IN SERVICE.

VESSEL/BOILER TO BE INSTALLED IN ACCORDANCE WITH THE SAFETY CODES ACT AND REGULATIONS.

VERIFY THAT VESSEL/BOILER IS PROTECTED BY AN ACCEPTABLE ASME CODE PRESSURE RELIEF VALVE, OF ADEQUATE CAPACITY, SET AT NO MORE THAN MAXIMUM PRESSURE AUTHORIZED AND INSTALLED IN ACCORDANCE WITH THE SAFETY CODES ACT & REGULATIONS.

Safety Codes Officer: LAKE, HAROLD

Signature: 

**NOTE: REQUIREMENTS OF THE SAFETY CODES ACT AND THE REGULATIONS ISSUED THEREUNDER:**

The owner or person in charge shall report all accidents involving a boiler, pressure vessel or pressure piping system to the district Safety Codes Officer immediately and shall send a full report in writing to the Administrator as required by the Act. No repairs or alterations may be made unless authorized by a Safety Codes Officer.