| Canadian Natural Resources Limited GENERAL PRESSURE VESSEL INFORMATION Job |                                    |                             |                |                                 |                      |        |              |          | ob 10.115386         |  |
|--|------------------------------------|-----------------------------|----------------|---------------------------------|----------------------|--------|--------------|----------|----------------------|--|
| District: Edson, Ab  |                                    |                             |                | Skid No.                        |                      |        |              |          |                      |  |
| Facility: Cecilia Gas Gathering  |                                    |                             |                | Location (LSD): 06-23-58-23 W5M |                      |        |              |          |                      |  |
| Vessel Name Equ  | uipment Number: Line Hea           | ter                         |                |                                 |                      |        |              |          |                      |  |
| Orientation: Hor   | rizontal                           |                             |                |                                 |                      |        |              |          |                      |  |
| Status: Out of Service   |                                    |                             |                |                                 | Inventory Inspection |        |              |          |                      |  |
|  | I                                  | PRESSURE VES                | SEL N          | AME                             | PLATE DATA           | 1      |              |          |                      |  |
| "A" or "G" or "S" (Sask.) or BC Registration Number.                       |                                    |                             |                | CRN Number:                     |                      |        |              |          |                      |  |
| A2993517   |                                    |                             |                | F 3086.23                       |                      |        |              |          |                      |  |
| Vessel serial number: 4527   |                                    |                             |                | Size: 36" x 5"                  |                      |        |              |          |                      |  |
| Shell thickness:   |                                    |                             |                | Shell material: SA-36           |                      |        |              |          |                      |  |
| Head thickness:  |                                    |                             |                | Head material: SA-36            |                      |        |              |          |                      |  |
| Tube wall thickness: 0.218"  |                                    |                             |                | Tube material:                  |                      |        |              |          |                      |  |
| Tube diameter:   |                                    |                             |                | Tube length:                    |                      |        |              |          |                      |  |
| Channel thickness:   |                                    |                             |                |                                 | Channel material:    |        |              |          |                      |  |
| Design pressure  | 1                                  | Shell: 3375 psi             |                |                                 | Operating pressure   |        |              | Shell:   |                      |  |
|  | Tubes:                             |                             |                |                                 |                      |        | Tubes:       |          |                      |  |
| Design Temp.   | Shell: -20/200°F                   |                             |                | Operating temperature           |                      | Shell: |              |          |                      |  |
|  | Tubes:                             |                             |                |                                 |                      |        | Tubes:       |          |                      |  |
| X-ray: RT-4  |                                    |                             |                | Heat treatment: no              |                      |        |              |          |                      |  |
| Code parameters: ASME B31.3  |                                    |                             |                | Coated: unknown                 |                      |        |              |          |                      |  |
| Manufacturer: Priority Projects  |                                    |                             |                | Year built: 1995                |                      |        |              |          |                      |  |
| Corrosion allowance: Nil   |                                    |                             |                | Manway: No                      |                      |        |              |          |                      |  |
|  | PRE                                | SSURE SAFETY                | VALV           | E NA                            | MEPLATE D            | ATA    |              |          |                      |  |
| PSV Tag #  | Manufacture / Model /<br>Serial    | Set Pressure<br>(PSI / kPa) | Capac<br>(scfr |                                 | Size                 |        | ock<br>ilve  | Location | Service by /<br>Date |  |
|  |                                    |                             |                |                                 |                      |        |              |          |                      |  |
| SERVICE CONDITIONS-INDICATE ALL THAT APPLY                                 |                                    |                             |                |                                 |                      |        |              |          |                      |  |
| Connect  |                                    |                             |                |                                 |                      |        |              |          |                      |  |
| Sweet  | Sour Oi                            |                             |                |                                 |                      |        | Gas          |          | Water                |  |
| Amine  | LPG Con                            |                             |                | densate Air                     |                      |        |              |          | Glycol               |  |
| Other (Describe):  | :                                  |                             |                |                                 |                      |        |              |          |                      |  |
| Inspection Inter   | val                                |                             |                | _PSV                            | Service Interv       | val    |              |          |                      |  |
|  | in conjunction with Chief Inspecto | or following guideline      | es of CNR      |                                 |                      |        | m)           |          |                      |  |
| •  | •                                  |                             |                |                                 |                      | ת      | <b>N</b> oto |          |                      |  |
| wiechanicai inte   | egrity Coordinator                 |                             |                |                                 |                      | L      | Oate         |          |                      |  |

Inspected By: Keith Kowal Date: January 13, 2015

