

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

3127069
3/27069

- Manufactured and certified by Nusco Manufacturing & Supply Ltd., 1604-8th St., Nisku, Alta, Can. T9E 7S6
(Name and address of manufacturer)
- Manufactured for Blue Range Resources Corp. #1100, 801-6 Ave. S.W. Calgary, Al'ta. T2P 3W2
(Name and address of purchaser)
- Location of installation Joffre Compressor Station LSD 4-10-39-26 W4M
(Name and address)
- Type Vert. Separator 50612-200 (Mfg's serial No.) M-9934.2 (Drawing No.) D0569-200 R.1 (N.A.T. Bd. No.) 1995 (Year built)
- The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1. 1992 Year
- TO 94A Code Case No. N/A Special Service per UG-120(d) N/A
- Shell: SA-516-70N Min. Thick. (in.) 1.125" Corr. Allow. (in.) 0.0625 Diam. I.D. (In. & In.) 48" OD Length (overall) (ft. & In.) 10' - 0"
- Seams: Weld Sngl. Butt RT-2 Full R.T. (Spot or Full) 100 H.T. Temp. (°F) None N/A Weld Sngl. Butt RT-2 Full 1
Long. (Welded, Dn., Sngl., Lap, Butt) SA-516-70N R.T. (Spot, Partial, or Full) SA-516-70N (Spec. No., Grade)
- Heads: (a) Matl. SA-516-70N (Spec. No., Grade) (b) Matl. N/A

Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) Top	1.125	0.0625	---	---	2:1	---	---	---	Concave
(b) Bottom	1.126	0.0625	---	---	2:1	---	---	---	Concave

If removable, bolts used (describe other fastenings) N/A (Matl., Size, No., Gr., Size, No.) 100 of
 9. MAWP 740 psi at max. temp. -20 °F at 740 psi. Hydro., pneu., or comb. test pressure 1110 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Reinforcement Matl.	How Attached	Location
See U4 Form							

11. Supports: Skirt Yes (Y or no) Lugs 2 (No.) Legs --- (No.) Other --- (Describe) Attached Welded to heads (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: N/A (Name of part, item number, Mfg's name and identifying stamp)

Vessel is impact test exempt per UG 20 (f) & UCS - 66
Capacity - 117.96 Cu. Ft.
Customers responsibility to install adequate pressure relief valve

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 24776 expires April 24, 1996.
 Date NOV 17 1995 Co. name Nusco Manufacturing & Supply Ltd. (Manufacturer) Signer [Signature] (Representative)

Vessel constructed by Nusco Manufacturing & Supply Ltd. at 1604-8th St. Nisku, Alta, Can. T9E 7S6
 I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Alberta and employed by Alberta Boilers Safety Association
 have inspected the component described in this Manufacturer's Data Report on Nov 17, 1995, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date Nov 17 1995 Signed [Signature] (Inspector) Commissions Alberta S. (N.B. Board local, international, State, Prov. and No.)

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

(A)3127069

- Manufactured and certified by Nisco Manufacturing & Supply Ltd. 1604 37th St. Nisku, Alta., Can. T9E 7S6
(Name and address of Manufacturer)
- Manufactured for Blue Range Resources Corp. #1100, 801-6 Ave. S.W. Calgary, Alta. T2P 3W2
(Name and address of Purchaser)
- Location of installation Joffre Compressor Station LSD 4-10-39-26 W4M
(Name and address)
- Type: Vertical Separator 50612-200
(Shell, vert., or sphere) (Tank, separator, heat exch., etc.) (Mfg's serial No.)
M-9934.2 D0569-200 Rev. 1 1995
(Drawing No.) (Part, Bd. No.) (Year Built)

Date Report Item Number

Remarks

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NOZZLES, INSPECTION AND SAFETY VALVE OPENINGS:

NO.	DIA.	TYPE	MAT'L	NOM. THK.	REIN. MAT'L	ATTACH/LOCATION
N1	6"	300# REWN	SA-106-B	XXH/XH	N/A	Weld to shell
N2	6"	300# REWN	SA-106-B	XXH/XH	N/A	Weld to top head
N3	2"	300# REWN	SA-106-B	SCH 160	N/A	Weld to shell
N4	2"	300# REWN	SA-106-B	SCH 160	N/A	Weld to shell
C1	2"	Full CPLG	SA-106-B	SCH 160	N/A	Weld to botm head
C2	2"	TOL	SA-105	3000#	N/A	Weld to shell
C3	2"	TOL	SA-105	3000#	N/A	Weld to shell
C4	3/4"	TOL	SA-105	3000#	N/A	Weld to shell
C5	3/4"	TOL	SA-105	3000#	N/A	Weld to shell
C6	1 1/2"	TOL	SA-105	3000#	N/A	Weld to shell
C7	3/4"	TOL	SA-105	3000#	N/A	Weld to shell
C8	2"	TOL	SA-105	3000#	N/A	Weld to shell
C9	2"	TOL	SA-105	3000#	N/A	Weld to shell
C10	2"	TOL	SA-105	3000#	N/A	Weld to shell
M1	18"	300# REWN	SA-106-B	SCH 80	SA-516-70N	Weld to shell

Certificate of Authorization: Type U No. 2476 Expires April 24 19 96

Date NOV 17 1995 Name Nisco Manufacturing & Supply Ltd. Signed [Signature]
(Manufacturer) (Representative)

Date Nov 17/95 Name [Signature] Commission Alberta 5
(Authorized Inspector) (Part Board Incl. endorsement, State, Province and No.)