

SERVICES
DIVISION OF
BIG THREE INDUSTRIES

File W.M. Barge Raina del Rama



TO INSURE PROPER CREDIT RETURN ONE COPY OF THIS INVOICE WITH YOUR REMITTANCE

S O 609595-02 L P P G INDUSTRIES INC D ATTN JAMES CHAMPAGNE T PO BOX 1000 O LAKE CHARLES LA 70601	S H I P P E D LAND ☐ INLAND WATER ☐ OFFSHORE ☐ WELL BARGE RAINA DELRAMA FIELD PPG PLANT WESTLAKE LA COUNTY OR PARISH: CALCASTEU LA
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Type Job: BARGE PURGE

CUSTOMER ORDER NUMBER	DATE SHIPPED	FIELD TICKET	DISTRICT	INVOICE DATE	REVIEW
57-922	2/22/83	02930	405	2/28/83	21.00

PART #	DESCRIPTION	QUANTITY SHIPPED	U/M	UNIT PRICE	AMOUNT
100110	SERVICE CHARGE/PER UNIT	1.00	E	595.00	595.00
100111	FIRST 25,000 SCF/UNIT	25,000.00	C	1.40	35,000.00
100111	NEXT 25,000 SCF/UNIT	25,000.00	C	1.30	32,500.00
100111	ALL ADDITIONAL NITROGEN	793,590.00	C	1.25	991,987.50
100112	TIME: PER HR/PER UNIT	18.50	F	60.00	1,110.00
100112	TRANSPORT TIME/PER UNIT	18.50	F	50.00	925.00

Charge to W.O. 902679

*Shipping Labor 40 hours @ 4.046/hr
overhead @ 110% 40 hours @ 15.450/hr*

561.34

618.00

CBR → 1199.84

N₂ → 13262.38

→ 14442.22

Purging cost - Labor & Nitrogen

This amount should be credited to W.O. 902679

SUB TOTAL	SALES TAX	INVOICE TOTAL
13,262.38	.00	13,262.38

TERMS NET CASH 30 DAYS — MAKE ALL CHECKS PAYABLE TO NOWSCO SERVICES, HOUSTON, TEXAS 77253
CUSTOMER COPY

SL 102281

NOWSCO
SERVICES

NOWSCO SERVICES
A BIG THREE INDUSTRY
P.O. Box 1574 • Houston, Texas 77001 • Phone 713/861-4111



TUBING TICKET # _____

NITROGEN SERVICE

FEB 23 1983

Starting Time: 6:00 ^{AM}/_{PM} Date 2-23-83

Ending Time 5:00 ^{AM}/_{PM} Date 2-23-83

Account Number _____

Circle One. Daylight/Continuous _____

Customer's Name PPG Industries

Land ☒ Inland Water _____ Offshore _____

Mailing Address _____

Name of Well Barge

The undersigned customer agrees to the NOWSCO General Terms and Conditions of service including those appearing on the reverse hereof

Field PPG Plant

County Calcasieu State LA

Customer's Signature _____

PRICING INFORMATION

MILEAGE

Type Job Barge Purge

Pump Truck _____ Units x _____ Miles = _____

Total Nitrogen: 846,590

Trans Truck _____ Units x _____ Miles = _____

Top Injec Press. 55 PSI

Auto/Pickup _____ Units x _____ Miles = _____

Selling District LC 405

TIME

No. of Trucks

District Name

District No

Standard 1 Units @ 2.5 Hrs = 20.5

2501

Lake Charles

405

High Rate _____ Units @ _____ Hrs @ _____ scf/min

High Rate _____ Units @ _____ Hrs @ _____ scf/min

Transport 1 Units @ 20.5 Hrs = 20.5

Remote Subsistence: _____ Men @ _____ Days

Crew Travel Time: _____ Men @ _____ Hours

Unmanned Time _____ Hrs

OPERATIONAL DATA

Packer Depth _____ Type of Fluid _____ Wt of Fluid _____ lbs/gal

Total Depth N/A Injection Rate of Fluid _____ B.P.M

Size of Tubing _____ Injection Rate of Nitrogen 300-1200 SCF/Min

Size of Casing _____ Ratio of Nitrogen to Fluid _____ SCF/Bbl

Perforation Depth _____ Operators K. Andrews R. Julian

JOB REMARKS

Date	Time Start	Time End	Work Description	Daily Hours
2-21	6:00	12:00	Arrive Location Rig up STD BY until 8 PM Start Pumping. Have Heater Trouble. Start Pumping 10:20 (2.5 Hrs Down Time)	3.5
2-22	12:00	5 PM	Pump as directed 300-1200 SCF/Min	17.
			Total	20.5

NOWSCO Supervisor Dick Cook

CUSTOMER COPY #1

The undersigned customer acknowledges receipt of the above services and materials

Customer P.O. # _____

Customer's Signature _____

SL 102282

**NOWSCO
SERVICES**

NOWSCO SERVICES

A BIG THREE INDUSTRY

P.O. Box 1574 • Houston, Texas 77001 • Phone 713/861-4111



TUBING TICKET #

NITROGEN SERVICE

405-2930

Starting Time: 6:00 AM Date 2-21-83

Ending Time: 5:00 PM Date 2-22-83

Circle One: Daylight/Continuous

Account Number:

Customer's Name: RRG Industries

Land ☒ Inland Water ☐ Offshore ☐

Mailing Address:

Name of Well: Barge

Field: RRG Plant

County: Calhoun State LA

PRICING INFORMATION

Type Job: Barge Purge

Pump Truck Units x Miles =

Total Nitrogen: 846,890

Trans. Truck Units x Miles =

Top Injec. Press: 55 PSI

Auto/Pickup Units x Miles =

Selling District: 405

TIME

No. of Trucks: 2501

District Name:

District No:

Standard Units @ 20.5 Hrs = 20.5

High Rate Units @ Hrs @ scf/min

High Rate Units @ Hrs @ scf/min

Transport Units @ 20.5 Hrs = 20.5

Remote Subsistence Men @ Days

Crew Travel Time Men @ Hours

Unmanned Time Hrs

OPERATIONAL DATA

Packer Depth:

Type of Rod: WL of Fluid lbs/gal

Total Depth:

Injection Rate of Fluid B.P.M.

Size of Tubing:

Injection Rate of Nitrogen 300-1200 SCF/Min

Size of Casing:

Ratio of Nitrogen to Fluid SCF/Bbl

Perforation Depth:

Operators: R. Julian

JOB REMARKS:

Date	Time Started	Time Ended	Work Description	Daily Hours
2-21	6:00	12:00	ARRIVE JACKSON RIVER BY 8 PM	
			START PUMPING HAVE NO PROBLEMS, START PUMPING	
			10:20 (2.5 Hrs Down Time)	3.5
2-22	12:00	5:00	Pump as directed 300-1200 SCF/min	17
			TOTAL	20.5

NOWSCO Supervisor: D. M. [Signature]

CUSTOMER COPY #2

The undersigned customer acknowledges receipt of the above services and materials

Customer P.O. #

Customer's Signature

SL 102283

Reina Del Rama
Tanks 1P & 1S and 3F (Tobepressure checked and purged)

Purging vcm Barge for Policesa.

		Purge Time (3 Tanks)	
		88 hr 2079	72 hr 2079
Plant Nitrogen @ 77/ton x 27 Tons			
Labor weighted Avg 14.046 /Mln (2men) x		120 = 1685 x 144	2022.6
Labor Head @ 110% 15.45 /Mln (2men) x		x 120 = 1854 x 144	2224.6
Tug Cost \$3495 / day \$145.63 / hr	x	60 = 8737 x 72	10,484
		<u>14,356.32</u>	<u>16,814.8</u>

690,600 ft³ N₂ Needed 5 x 50 psig purges

Truck Nitrogen		15 hr	20 hr
\$1.40 / 100 CF 1st 25,000	(350.00)	840,390	
1.35 / 100 CF 2nd 25,000	(337.50)	<u>50</u>	^{6.87}
1.25 / 100 CF Balance 640,000	(8000.00)	790,000	<u>9875</u>
Setup Charge	595.00		10,562

\$60 / hr pumping Charge	9282.50	9282.50	2282.50
Nitrogen Cost		<u>900.00</u>	<u>1200.00</u>
		10,182.50	10,482.50

Shipping Labor 14.046 x 1.80	421.38	x 40	561.8
Head 15.45 x 30	463.50	x 40	618.00

Tug Boat @ \$145.63 / hr	x 15 = 2184.45	x 20	2912.60
	<u>13,251.83</u>		<u>14,574.94</u>

WO 902679 - Shipping Labor to purge Reina Del Rama
Order release to Navsea 757922

Jim
LacFleur

300 cubic meters each tank

7 tanks on barge

1P 1.8 3P - need sweeping with nitrogen

Tanks had been opened to atmosphere

Other tanks have VSM bottoms - about - 30 lbs pressure.

We have to arrange for Nitrogen truck & pay costs (or can we use our Nitrogen line at barge dock)

accumulate costs for charge back to customer.

Tanks that were opened had been leaking -

- supposedly repaired? (Need to leak check at 50 psig)

AJ Beatrice

2/23