

CONTRATOS DE COMPRA-VENTA DE CRUDO A LARGO PLAZO FÓRMULAS DE FACTURACIÓN



PETROEQUADOR

ANTECEDENTES

- Publicación "Argus Crude - Crude Market Prices and Analysis", crudos latinoamericanos, edición del 26 de marzo de 2014, propone la terminación de sus valoraciones para Oriente fob Ecuador, Napo fob Ecuador y Oriente entregado en la costa oeste de EE.UU.
- Publicación "Argus Crude - Crude Market Prices and Analysis", crudos latinoamericanos, edición del 30 de abril de 2014, informa la terminación de sus valoraciones para Oriente y Napo, publicación precios hasta 30 de mayo de 2014.
- Necesidad de redefinir la fórmula para la valoración de crudos ecuatorianos.
- Asesoría Arthur D. Little.

FÓRMULA PREVIA

CONTRATO COMERCIAL:

$$PF = \overset{1}{WTI} \text{ +/- } \overset{2}{\text{Diferencial}} + \overset{3}{\text{Premio}}$$

CONTRATO PAGO ANTICIPADO:

$$PF = WTI \text{ +/- Diferencial} + \text{Premio}$$

$$PF - K$$

FECHA DE PAGO:

Día 10 (hábil) del mes siguiente al mes de levante.

(Facturación total Mes N, pagada en mes N+1)

CONTRATOS VIGENTES

CONTRATO	EMPRESA	VIGENCIA		
PGH 2	2010253	PETROCHINA	31-ago-10	31-ago-14
PGH 4	2011203	PETROCHINA	24-jun-11	24-jun-19
PGH 5	2012291	PETROCHINA	20-dic-12	20-dic-20
UNI 1	2012292	UNIPEC	20-dic-12	20-dic-20
PGH 6	2013084	PETROCHINA	03-ago-13	03-ago-17
UNI 2	2014090	UNIPEC	15-may-14	31-mar-18

FÓRMULA CRUDO ORIENTE

$$PFO = \overset{1}{WTI} + \overset{2}{Diferencial} + \overset{3}{Premio}$$

PFO - K

WTI = Primeras 5 cotizaciones posteriores al décimo día calendario inmediatamente siguiente a la fecha de B/L.

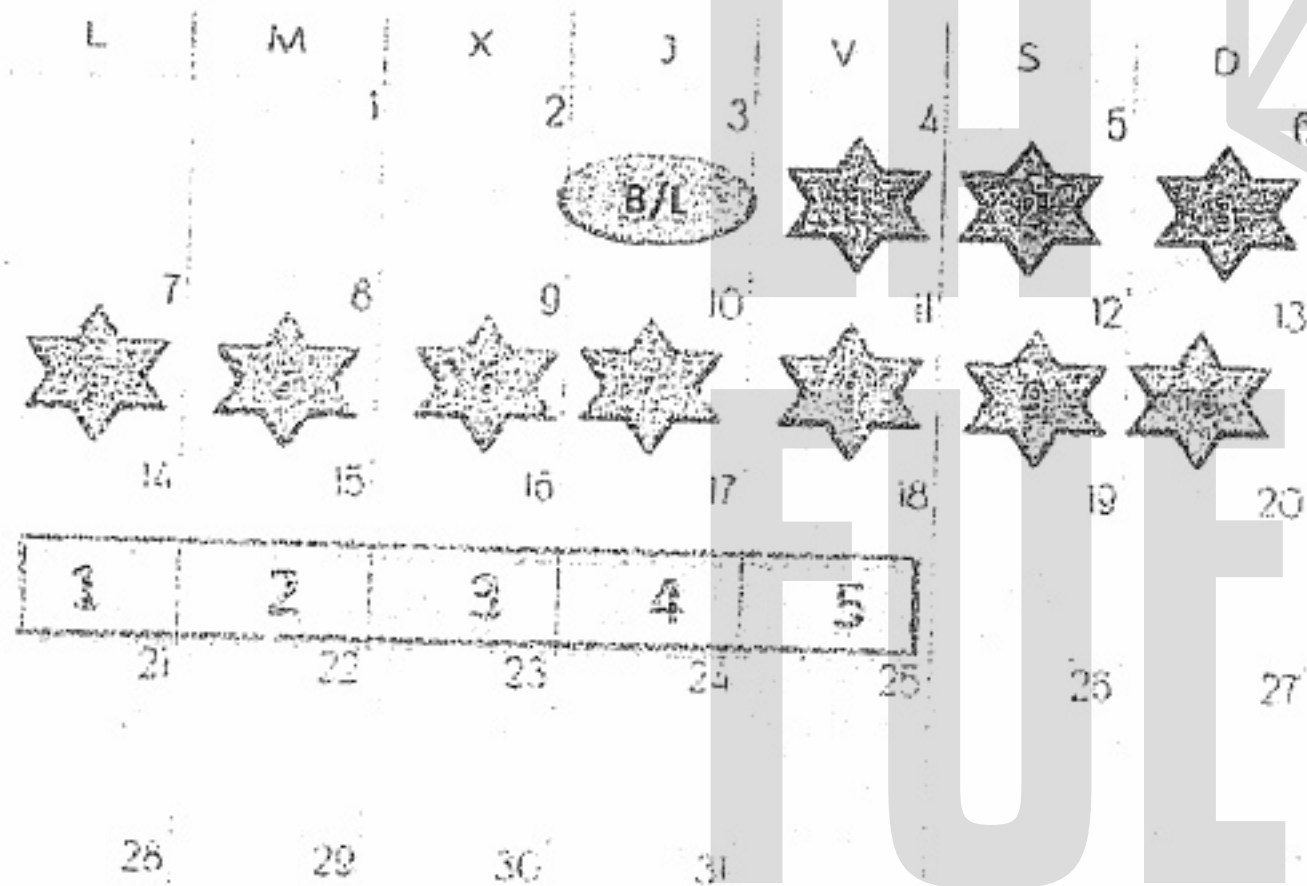
Diferencial = Diferencial ASCI - Ajuste Calidad - Factor Flete

Q *Premio* = Según lo establecido en cada contrato.

CÁLCULO WTI

WTI = Primeras 5 cotizaciones posteriores al décimo día calendario inmediatamente siguiente a la fecha de B/L.

JULIO



EJEMPLO:

B/L = Julio 03/2014

Rango WTI = Julio 14-18/2014



CÁLCULO DIFERENCIAL

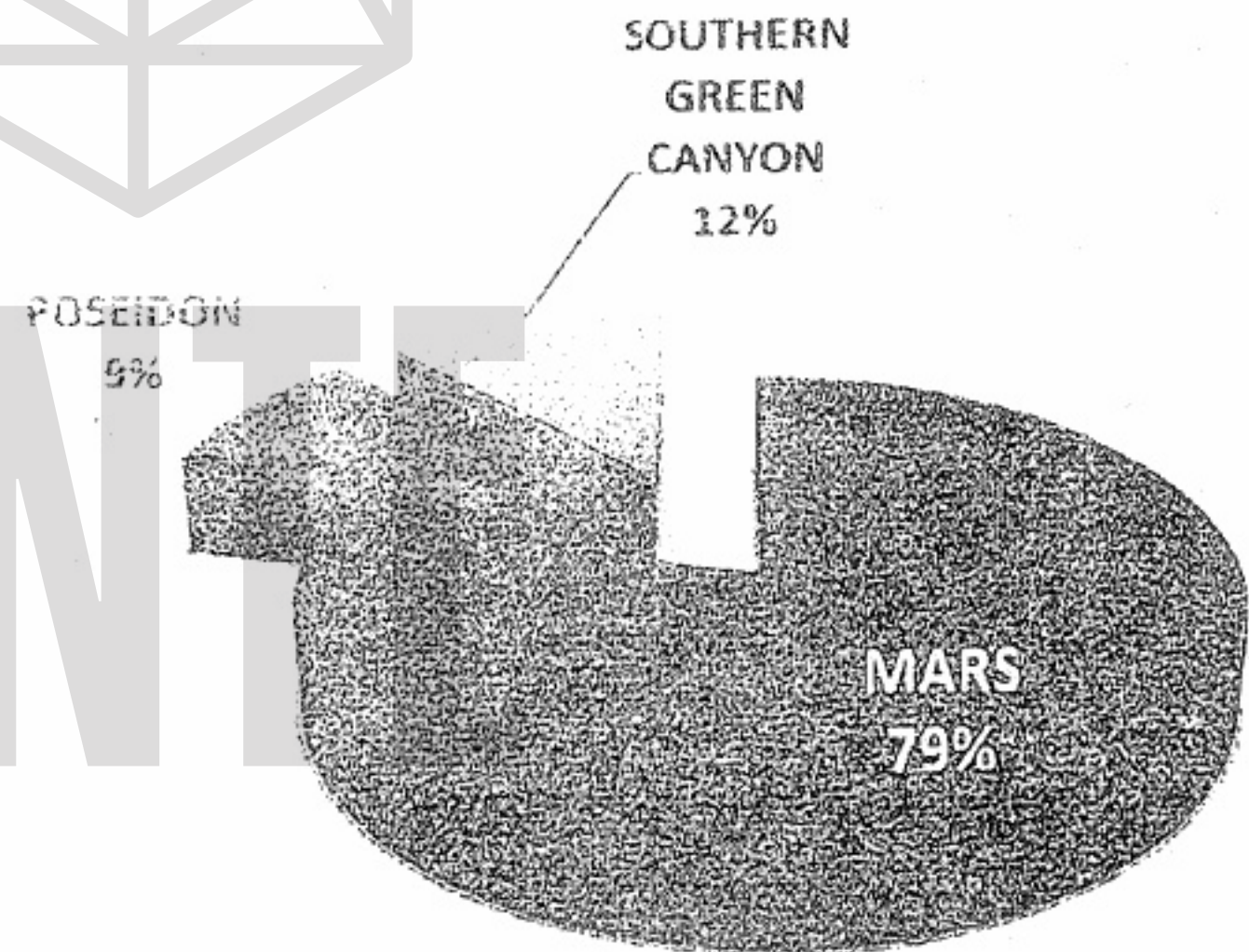
$$PFO = WTI + \text{Diferencial} + \text{Premio}$$

The diagram shows three arrows originating from the word 'Diferencial' in the equation above. The left arrow points to 'Diferencial ASCI', the middle arrow points to 'Ajuste Calidad', and the right arrow points to 'Factor Flete'. Each of these three terms is followed by a minus sign.

$$\text{Diferencial ASCI} - \text{Ajuste Calidad} - \text{Factor Flete}$$

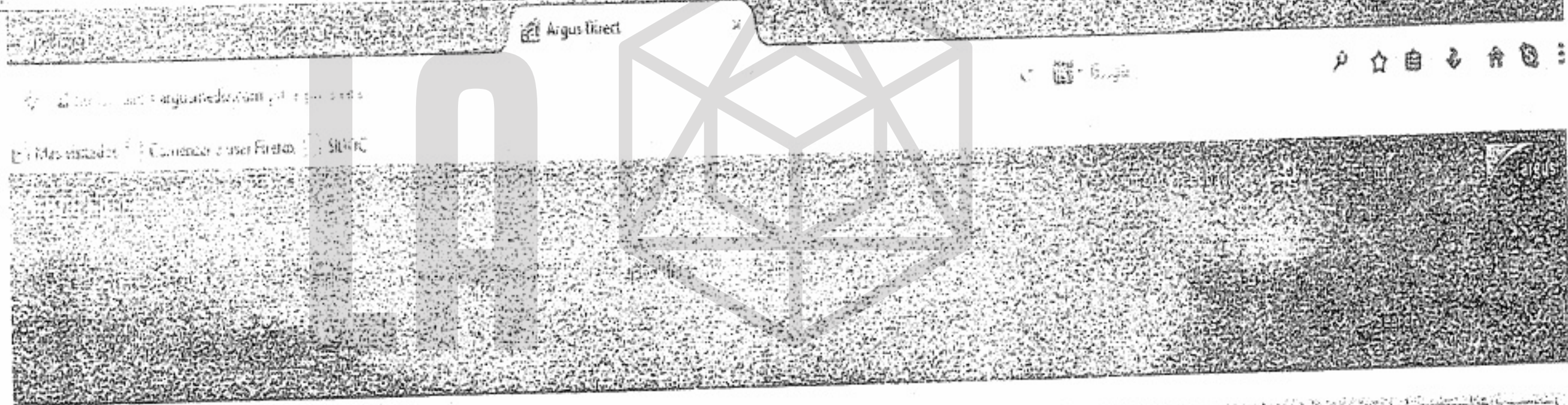
Argus Sour Crude Index (ASCI)

- Publicado desde 2009.
- Usado para la compra-venta de crudo en contratos de largo plazo.
- Compuesto por tres crudos (Mezcla proporcional – volumen de transacciones)
- Valor del crudo amargo en la USGC.
- Trading day 7 am – 3 pm



DIFERENCIAL: Diferencial ASCI

Argus Sour Crude Index (ASCI)



Price data

Prices Charts

Add prices Edit prices Export prices

Description	Base type	Units	Low	High	Open	Close	Date	More
<input type="checkbox"/> Nymex WTI month 1 - Houston close	open	USD/bl			100.40	-2.40	14 Jul 14	More
<input type="checkbox"/> Nymex WTI month 1 - Houston close	range	USD/bl	100.22	101.19		-0.22	14 Jul 14	More
<input type="checkbox"/> Nymex WTI month 1 - Houston close	settlement	USD/bl			100.91	0.08	14 Jul 14	More
<input type="checkbox"/> Argus Sour Crude Index (ASCI) month 1 - Houston close	diff index	USD/bl			-1.40	-0.03	11 Jul 14	More

Alert settings

Change the currency / units

To change a price currency or units, simply click "edit" and select any currency or units available in the drop down.

Price data

Prices Charts

Add prices Edit prices Export prices

Description

CO2 California Carbon allowances / Washington close



DIFERENCIAL: Diferencial ASCI

Argus Sour Crude Index (ASCI)

Date	diff index	Date	diff index
30 jun 2014	-1,570000	13 jun 2014	-1,590000
27 jun 2014	-2,140000	12 jun 2014	-2,390000
26 jun 2014	-1,710000	11 jun 2014	-2,140000
25 jun 2014	-2,840000	10 jun 2014	-2,470000
24 jun 2014	-2,680000	09 jun 2014	-1,630000
23 jun 2014	-3,200000	06 jun 2014	-1,080000
20 jun 2014	-2,340000	05 jun 2014	-1,660000
19 jun 2014	-4,290000	04 jun 2014	-1,970000
18 jun 2014	-3,720000	03 jun 2014	-2,340000
17 jun 2014	-3,010000	02 jun 2014	-2,960000
16 jun 2014	-2,430000		
PROMEDIO			-2,388571

Tabla de Rendimientos

Ajuste de Calidad

----- USGC Coking Refinery -----

	100% Mars - 100% Oriente			Product Prices		Quality Adjustment	
	Yield % Crude	Yield % Crude	Yield % Crude	Codes	Source		US\$/B
1 Nat Gas Feedstock, FOEB*	1,57%	1,69%	-0,12%	PA0008893	ARGUS		
2 iC4	4,68%	4,63%	0,05%	PMAAB00	PLATT'S		
3 FEEDSTOCK (1+2)	6,25%	6,32%	-0,07%				
4 Propane	2,86%	2,77%	0,09%	PMAAY00	PLATT'S		
5 Butane	2,33%	1,47%	0,86%	PMAAI00	PLATT'S		
6 ULR (Conventional 87)	52,79%	48,83%	3,96%	PGACU00	PLATT'S		
7 Jet 54	10,00%	10,00%	0,00%	PJABM00	PLATT'S		
8 Diesel (ULSD)	25,58%	27,75%	-2,18%	AATGZ00	PLATT'S		
9 No.2	3,41%	2,92%	0,48%	POAEE00	PLATT'S		
10 Slurry	3,00%	3,19%	-0,18%	PPAPW00	PLATT'S		
11 No.6 (3%)	0,00%	0,00%	0,00%	PUAFZ00	PLATT'S		
12 Coke*	5,44%	9,77%	-4,32%	PA0002612	ARGUS		
13 Sulfur*	0,61%	0,50%	0,11%	PA0012092	ARGUS		
14 TOTAL PRODUCT DIFFERENCE (SUM 4 to 13)	106,02%	107,20%	-1,18%				
15 PRODUCT LESS FEEDSTOCK (14 - 3)							
16 Incremental Cost Difference (Net Purchased Energy)							-0,120000
17 NET QUALITY ADJUSTMENT (15+16)							

Ajuste de Calidad (ARGUS)

FACTOR CONVERSIÓN:

AZUFRE

COKE

GAS NATURAL

Dividir para 3,195, conversión de \$/Ton Larga a \$/BL

Dividir para 5,0, conversión de \$/Ton a \$/BL

Multiplicar por 6,2, conversión de \$/MMBTU a \$/FOEB (Fuel Oil Equivalent Barrels)

FECHA	PRODUCTO			PRODUCTO (USD/BL)		
	AZUFRE PA0012092	COKE PA0002612	GAS NATURAL PA0008893	AZUFRE PA0012092 Conversion 3,195	COKE PA0002612 Conversion 5,0	GAS NATURAL PA0008893 Conversion 6,2
10/07/2014						
09/07/2014		64.500000				12.900000
08/07/2014						
07/07/2014						
06/07/2014						
05/07/2014						
04/07/2014						
03/07/2014						
02/07/2014						
01/07/2014						27.187000
30/06/2014			4.385000			27.187000
29/06/2014			4.385000			27.187000
28/06/2014			4.385000			28.303000
27/06/2014			4.565000			28.365000
26/06/2014	132.500000		4.575000	41.471049		27.900000
25/06/2014			4.500000			27.776000
24/06/2014			4.480000			27.962000
23/06/2014			4.510000			27.962000
22/06/2014			4.510000			27.962000
21/06/2014			4.645000			28.799000
20/06/2014			4.695000			29.109000
19/06/2014	132.500000		4.670000	41.471049		28.954000
18/06/2014			4.705000			29.171000
17/06/2014			4.675000			28.985000
16/06/2014			4.675000			28.985000
15/06/2014			4.675000			28.985000
14/06/2014			4.495000			27.869000
13/06/2014			4.500000			27.900000
12/06/2014	132.500000		4.570000	41.471049		28.334000
11/06/2014			4.660000			28.892000
10/06/2014			4.645000			28.799000
09/06/2014			4.645000			28.799000
08/06/2014			4.645000			28.799000
07/06/2014			4.635000			28.737000
06/06/2014			4.570000			28.334000
05/06/2014	132.500000		4.595000	41.471049		28.489000
04/06/2014			4.525000			28.055000
03/06/2014			4.485000			27.807000
02/06/2014			4.485000			27.807000
01/06/2014			4.485000			27.807000
		PROMEDIO		41.471049	12.900000	27.962000

Ajuste de Calidad (PLATTS)

Symbol:	PMAAB00	Isobutane non-LST Mt Belvieu pipe	0,420000			
Key	Date	Close				
1	06/02/2014	130,000000	54,600000	1	06/02/2014	91,650000
2	06/03/2014	130,000000	54,600000	2	06/03/2014	91,880000
3	06/04/2014	130,000000	54,600000	3	06/04/2014	91,590000
4	06/05/2014	127,750000	53,655000	4	06/05/2014	91,360000
5	06/06/2014	127,500000	53,550000	5	06/06/2014	90,560000
6	06/09/2014	128,650000	54,033000	6	06/09/2014	90,930000
7	06/10/2014	128,500000	53,970000	7	06/10/2014	90,980000
8	06/11/2014	129,250000	54,285000	8	06/11/2014	91,830000
9	06/12/2014	130,750000	54,915000	9	06/12/2014	94,080000
10	06/13/2014	132,750000	55,755000	10	06/13/2014	94,280000
11	06/16/2014	132,500000	55,650000	11	06/16/2014	94,650000
12	06/17/2014	133,750000	56,175000	12	06/17/2014	93,350000
13	06/18/2014	134,500000	56,490000	13	06/18/2014	93,760000
14	06/19/2014	139,000000	58,380000	14	06/19/2014	94,100000
15	06/20/2014	137,650000	57,813000	15	06/20/2014	94,660000
16	06/23/2014	137,000000	57,540000	16	06/23/2014	94,630000
17	06/24/2014	137,150000	57,603000	17	06/24/2014	94,950000
18	06/25/2014	136,900000	57,498000	18	06/25/2014	94,150000
19	06/26/2014	137,000000	57,540000	19	06/26/2014	94,050000
20	06/27/2014	136,750000	57,435000	20	06/27/2014	94,160000
21	06/30/2014	136,250000	57,225000	21	06/30/2014	93,540000
PROMEDIO		133,028571	55,872000			93,540000

DIFERENCIAL: Ajuste Calidad

Ajuste de Calidad

Tabla de Rendimientos

----- USGC Coking Refinery -----

	100% Mars		100% Oriente		Mars - Oriente		Product Prices			Quality Adjustment
	Yield, % Crude	Yield, % Crude	Yield, % Crude	Yield, % Crude	Codes	Source	US\$/B	US\$/B	US\$/B	
1 Nat Gas Feedstock, FOEB*	1,57%	1,69%	-0,12%		PA0008893	ARGUS	28,313333		-0,033976	
2 iC4	4,68%	4,63%	0,05%		PMAAB00	PLATT'S	55,872000		0,027936	
3 FEEDSTOCK (1+2)	6,25%	6,32%	-0,07%						-0,006040	
4 Propane	2,86%	2,77%	0,09%		PMAAY00	PLATT'S	43,947000		0,039552	
5 Butane	2,33%	1,47%	0,86%		PMAAI00	PLATT'S	53,075000		0,456445	
6 ULR (Conventional 87)	52,79%	48,83%	3,96%		PGACU00	PLATT'S	125,942400		4,987319	
7 Jet 54	10,00%	10,00%	0,00%		PJABM00	PLATT'S	121,660200		0,000000	
8 Diesel (ULSD)	25,58%	27,75%	-2,18%		AATGZ00	PLATT'S	123,151000		-2,684692	
9 No.2	3,41%	2,92%	0,48%		POAEE00	PLATT'S	120,890400		0,580274	
10 Slurry	3,00%	3,19%	-0,18%		PPAPW00	PLATT'S	94,101905		-0,169383	
11 No.6 (3%)	0,00%	0,00%	0,00%		PJAFZ00	PLATT'S	93,101905		0,000000	
12 Coke*	5,44%	9,77%	-4,32%		PA0002612	ARGUS	12,900000		-0,557280	
13 Sulfur*	0,61%	0,50%	0,11%		PA0012092	ARGUS	41,471049		0,045618	
14 TOTAL PRODUCT DIFFERENCE (SUM 4 to 13)	106,02%	107,20%	-1,18%						2,697853	
15 PRODUCT LESS FEEDSTOCK (14 - 3)									2,703893	
16 Incremental Cost Difference (Net Purchased Energy)									-0,120000	
17 NET QUALITY ADJUSTMENT (15 + 16)									2,583893	

PF N = Julio 2014

Datos N-1 = Junio 2014

Factor Flete

ESMERALDAS
HOUSTON



ESMERALDAS
LOS ANGELES



FACTOR
FLETE



2

Long Beach, CA
McClatchy-Petroleum, Inc.
Petroleum Division



West Coast
Contact: West Coast Group, Inc.

United States
Contact: United States Group, Inc.



East Coast
Contact: East Coast Group, Inc.

ASBA Tanker Broker Panel, L.L.C.
PO Box 253 Department NJ 07040
Tel: 973-763-1194 - Fax: 973-763-1057
Email: asbatbp@asbatbp.com

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PO Box 253 Department NJ 07040
Tel: 973-763-1194 - Fax: 973-763-1057
Email: asbatbp@asbatbp.com

MONTHLY AVERAGE MARKET RATE ASSESSMENT

DATE: JUNE 21, 2014 Rate Request # 14-0020 R
REPLY BY: JULY 01, 2014

FIXTURE DATE: ALL FIXTURES CONCLUDED IN THE MONTH OF JUNE 2014
VESSEL DWT/CATEGORY: PANAMA - COCKLE HULLED
DESCRIPTION OF CARGO: ORIENTE CRUDE OIL OF NORMAL EXPORT QUALITY
QUANTITY: 360,000 BBL'S
GRADE: ORIENTE CRUDE OIL
HEAT: NO HEAT

LOAD PORT (S)/RANGE: ESMERALDAS, ECUADOR
DISCHARGE PORT (S)/RANGE: HOUSTON, TEXAS

LAYCAN: JUNE 2014

VOYAGE RESTRICTIONS: ACCEPTABLE TO EF FLOPEC

MISC. INFO: REQUIRE FREIGHT PER BARREL CALCULATION.

THIS CALCULATION MUST INCLUDE ALL CHARTERER'S COST PER WORLDSCALE AND ALL LOCAL COSTS ASSOCIATED WITH THE SHIPMENT OF THE CRUDE OIL. EXPRESSLY THIS SHOULD INCLUDE:

- A: EF FLOPEC 10% ECUADORIAN FREIGHT TAXES
- B: LIGHT AND BODY DUES PAID AT LOAD PORT
- C: FIXED OR VARIABLE RATE DIFFERENTIALS AS PUBLISHED BY WORLDSCALE
- D: CALCULATED SURCHARGE DUE TO OWNERS
- E: ESTIMATE OF COST FOR COMPULSORY TUGS OR PORT COSTS THAT ARE ANNOTATED BY WORLDSCALE.
- F: FEES FOR VENDORS DEEMED TO BE REQUIRED BY EF FLOPEC (AGENTS OR OTHER SERVICE PROVIDERS)

RATE: \$3.31 PER BBL

FREIGHT PER BARREL (360,000 BBL'S): \$3.31 PER BARREL

Freight to be received by the ASBA Tanker Panel, L.L.C. Reply to be made by 1700 HRS on the next working day following the date of request, unless otherwise advised.

For information, the market rate is estimated based on current market conditions and is subject to change without notice. The market rate is not intended to be used as a contract and is not intended to be used as a contract.

LOAD PORT (S)/RANGE: ESMERALDAS, ECUADOR
DISCHARGE PORT (S)/RANGE: HOUSTON, TEXAS

FREIGHT PER BARREL (360,000 BBL'S): \$3.31 PER BARREL

DIFFERENTIAL Factor Rate

MONTHLY AVERAGE MARKET RATE ASSESSMENT

DATE: JUNE 21, 2014 Rate Request # 14-0020 R
REPLY BY: JULY 01, 2014

FIXTURE DATE: ALL FIXTURES CONCLUDED IN THE MONTH OF JUNE 2014
VESSEL DWT/CATEGORY: PANAMA - DOUBLE HULLED
DESCRIPTION OF CARGO: ORIENTE CRUDE OIL OF NORMAL EXPORT QUALITY
QUANTITY: 360,000 BBL'S
GRADE: ORIENTE CRUDE OIL
HEAT: NO HEAT

LOAD PORT (S)/RANGE: ESMERALDAS, ECUADOR
DISCHARGE PORT (S)/RANGE: LOS ANGELES, CALIFORNIA

LAYCAN: JUNE 2014

VOYAGE RESTRICTIONS: ACCEPTABLE TO EF FLOPEC

MISC. INFO: REQUIRE FREIGHT PER BARREL CALCULATION.

THIS CALCULATION MUST INCLUDE ALL CHARTERER'S COST PER WORLDSCALE AND ALL LOCAL COSTS ASSOCIATED WITH THE SHIPMENT OF THE CRUDE OIL. EXPRESSLY THIS SHOULD INCLUDE:

- A: EF FLOPEC 10% ECUADORIAN FREIGHT TAXES
- B: LIGHT AND BODY DUES PAID AT LOAD PORT
- C: FIXED OR VARIABLE RATE DIFFERENTIALS AS PUBLISHED BY WORLDSCALE
- D: CALCULATED SURCHARGE DUE TO OWNERS
- E: ESTIMATE OF COST FOR COMPULSORY TUGS OR PORT COSTS THAT ARE ANNOTATED BY WORLDSCALE.
- F: FEES FOR VENDORS DEEMED TO BE REQUIRED BY EF FLOPEC (AGENTS OR OTHER SERVICE PROVIDERS)

RATE: \$3.26 PER BBL

FREIGHT PER BARREL (360,000 BBL'S): \$3.26 PER BARREL

Freight to be received by the ASBA Tanker Panel, L.L.C. Reply to be made by 1700 HRS on the next working day following the date of request, unless otherwise advised.

For information, the market rate is estimated based on current market conditions and is subject to change without notice. The market rate is not intended to be used as a contract and is not intended to be used as a contract.

LOAD PORT (S)/RANGE: ESMERALDAS, ECUADOR
DISCHARGE PORT (S)/RANGE: LOS ANGELES, CALIFORNIA

FREIGHT PER BARREL (360,000 BBL'S): \$3.26 PER BARREL

Factor Flete

LOAD PORT (S)/RANGE: ESMERALDAS, ECUADOR
 DISCHARGE PORT (S)/RANGE: HOUSTON, TEXAS

LOAD PORT (S)/RANGE: ESMERALDAS, ECUADOR
 DISCHARGE PORT (S)/RANGE: LOS ANGELES, CALIFORNIA

FREIGHT PER BARREL (360,000 BBLs): \$3.31 PER BARREL

FREIGHT PER BARREL (360,000 BBLs): \$3.26 PER BARREL

ASBA		
VALOR FLETE PANAMAX USD/BBL		
RUTA	MES	RATE
Esmeraldas - Houston	JUNIO 2014	3,310000
Esmeraldas - Los Angeles	JUNIO 2014	3,260000
PROMEDIO		3,285000

FORMULA ACTUAL

CÁLCULO DIFERENCIAL

$$PFO = WTI + \text{Diferencial} + \text{Premio}$$

$$\text{Diferencial} = \text{Diferencial ASCI} - \text{Ajuste Calidad} - \text{Factor Flete}$$

-2,388571	2,583893	3,285000
-8,257465		

Premio (Contrato)

CONTRATO	EMPRESA	VIGENCIA	PREMIO		
PGH 2	2010253	PETROCHINA	31-ago-10	31-ago-14	0,51
PGH 4	2011203	PETROCHINA	24-jun-11	24-jun-19	0,745
PGH 5	2012291	PETROCHINA	20-dic-12	20-dic-20	0,80
UNI 1	2012292	UNIPEC	20-dic-12	20-dic-20	0,80
PGH 6	2013084	PETROCHINA	03-ago-13	03-ago-17	0,555
UNI 3	2014090	UNIPEC	15-may-14	31-mar-18	0,45

FÓRMULA CRUDO NAPO

$$PFN = PFO - (\text{Diferencial Oriente} - \text{Diferencial Napo})$$

$$PFN - K$$

Diferencial Oriente / Napo = Promedio aritmético mensual diferenciales de Oriente menos Napo, publicadas por PLATT's durante el mes N-1, siendo N el mes de levante.

Diferencial Oriente – Diferencial Napo

DIFERENCIALES JUNIO 2014 (PLATT'S)		
	ORIENTE	NAPO
Symbol:	PCAGU00	AAMCD00
Date	Close	Close
02/06/2014	-5,250000	-11,250000
03/06/2014	-5,400000	-11,400000
04/06/2014	-5,500000	-11,500000
05/06/2014	-5,350000	-11,350000
06/06/2014	-5,450000	-11,450000
09/06/2014	-5,650000	-11,650000
10/06/2014	-5,750000	-11,750000
11/06/2014	-5,700000	-11,700000
12/06/2014	-5,300000	-11,300000
13/06/2014	-5,400000	-11,400000
16/06/2014	-5,300000	-11,300000
17/06/2014	-5,100000	-11,100000
18/06/2014	-5,000000	-11,000000
19/06/2014	-4,900000	-10,900000
20/06/2014	-5,150000	-11,150000
23/06/2014	-5,200000	-11,200000
24/06/2014	-5,100000	-11,100000
25/06/2014	-5,400000	-11,400000
26/06/2014	-5,450000	-11,450000
27/06/2014	-5,500000	-11,500000
30/06/2014	-5,650000	-11,650000
PROMEDIO	5,357143	11,357143
DIF. ORIENTE - NAPO		6,000000

FORMULA ACTUAL

FÓRMULA CRUDO NAPO

$$PFN = PFO - (\text{Diferencial Oriente} - \text{Diferencial Napo})$$

$$PFN = (WTI - 8,257465 + \text{Premio}) - 6,000000$$

FORMULA ACTUAL

FECHA DE PAGO:

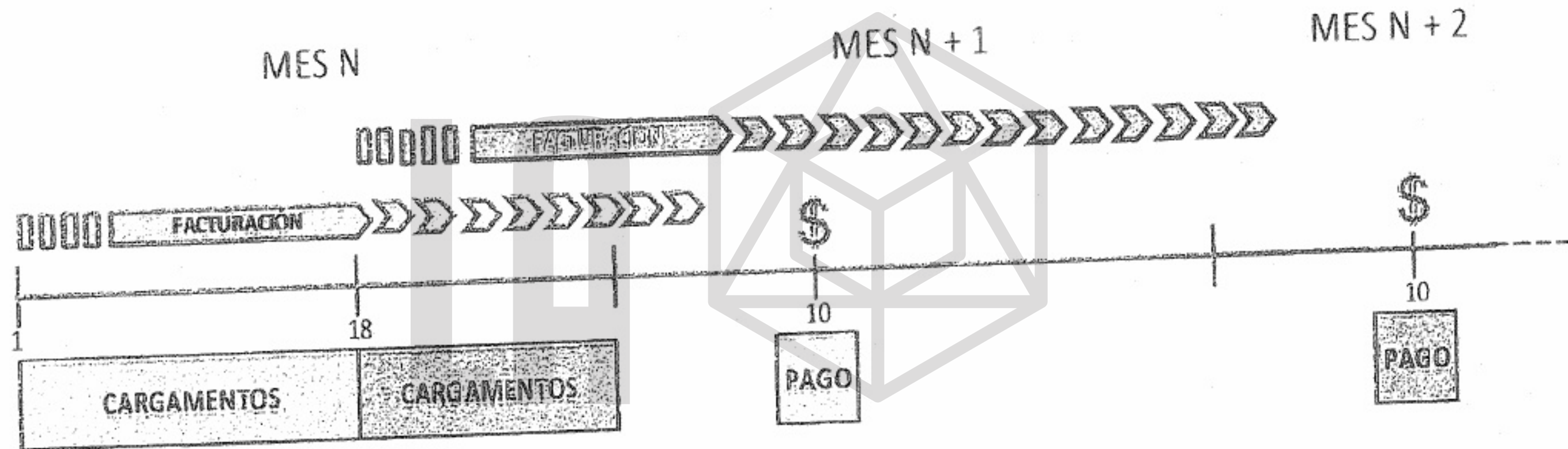
	COMERCIAL	PAGO ANTICIPADO
FACTURACIÓN	Cargamentos hasta B/L 18	Cargamentos total mes
PAGO	10 primeros días, N+1	20 primeros días, N+1

FACTURA PROVISIONAL:

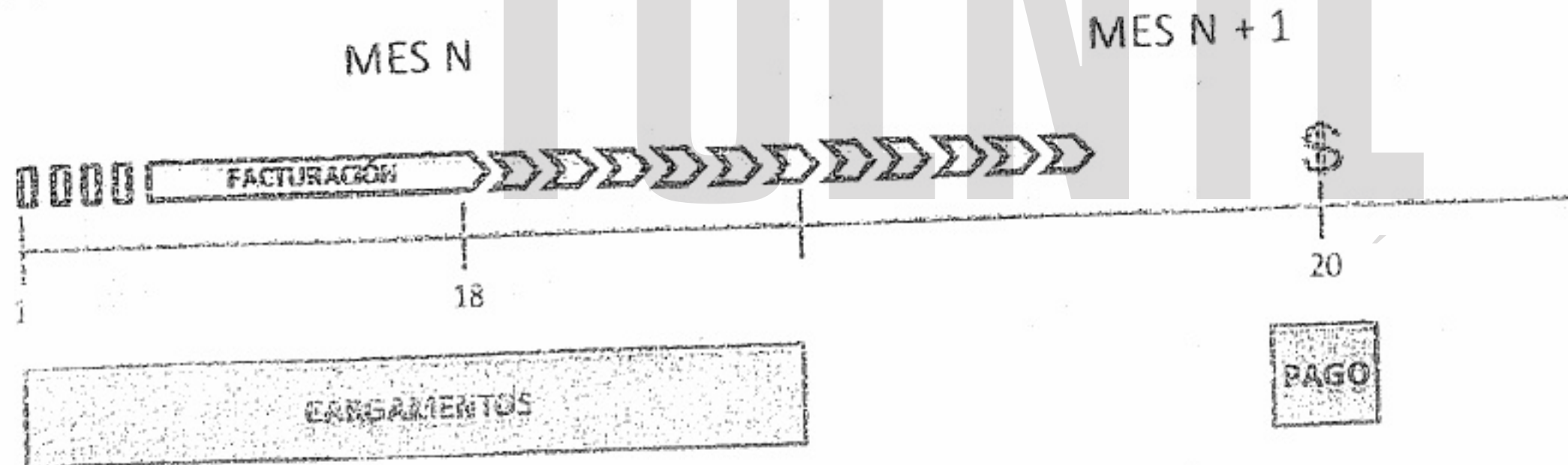
el Vendedor expedirá una factura provisional al Comprador y el Comprador realizará el pago en la Fecha de Facturación de manera provisional, usando en la fórmula de precio provisional el promedio de todas las cotizaciones WTI de primera línea disponibles posterior al 10º calendario inmediatamente siguiente al B/L y hasta la Fecha de Facturación.

FORMULA ACTUAL: Fecha de Pago

COMERCIAL:



PAGO ANTICIPADO:



EJEMPLOS:

FORMULA ACTUAL

CONTRATO	E/L	FACTURACION	PRESENTACION FACTURA	PAGO
COMERCIAL	03/07/2014	14-18/07/2014	Hasta 04/08/2014	11/08/2014
	11/07/2014	22-28/07/2014	Hasta 04/08/2014	11/08/2014
	29/07/2014	11-15/08/2014	Hasta 03/09/2014	10/09/2014
CONTRATO	E/L	FACTURACION	PRESENTACION FACTURA	PAGO
P. ANTICIPADO	03/07/2014	14-18/07/2014	Hasta 13/08/2014	20/08/2014
	11/07/2014	22-28/07/2014	Hasta 13/08/2014	20/08/2014
	29/07/2014	11-15/08/2014	Hasta 13/08/2014	20/08/2014

JULIO

L	M	X	J	V	S	D
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

AGOSTO

L	MA	X	J	V	S	D
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

SEPTIEMBRE

L	M	X	J	V	S	D
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					