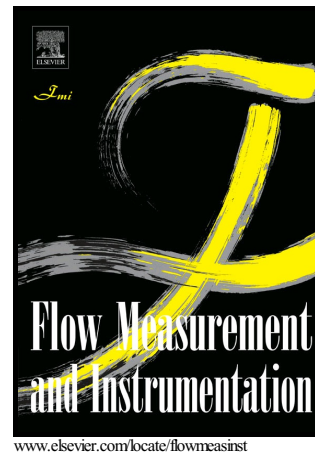


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become “Lose Out” Agreements

Phil Stockton



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# When Allocation “Back Out” Agreements can become “Lose Out” Agreements

Phil Stockton  
Accord Energy Solutions Limited

## NOTATION

A	Constant
B	Back-out balance / constant
$B_X$	Back-out balance in payment phase
$B_Y$	Back-out balance in re-payment phase
$C_1$	System parameter defined in (43)
$C_2$	System parameter defined in (44)
D	Constant
E	Constant
F	Constant
G	Constant
$GDP_\alpha$	Field Alpha cumulative gas production to date
K	Constant
$k_\alpha$	Constant relating Alpha’s reservoir pressure to its gas volume
$k_\beta$	Constant relating Bravo’s reservoir pressure to its gas volume
L	Constant
M	Constant
N	Constant
$P_\alpha$	Field Alpha Shared Production reservoir pressure
$P_\alpha'$	Field Alpha Stand-Alone reservoir pressure
$P_\alpha^o$	Initial Alpha reservoir pressure
$P_\beta$	Field Bravo Shared Production reservoir pressure
$P_\beta'$	Field Bravo Stand-Alone reservoir pressure
$P_\beta^o$	Initial Bravo reservoir pressure
$P_D$	Delivery pressure
$P_X$	Manifold pressure
$Q_\alpha$	Field Alpha Shared Production volumetric flow rate
$Q_\alpha'$	Field Alpha Stand-Alone volumetric flow rate
$Q_\beta$	Field Bravo Shared Production volumetric flow rate
$Q_\beta''$	Field Bravo allocated volumetric flow rate
$Q_R$	Back-out volumetric re-payment rate
$Q_X$	Back-out volumetric payment rate
r	Discount rate
$R_\alpha$	Flow resistance factor Alpha to X (manifold)
$R_\beta$	Flow resistance factor Bravo to X (manifold)
$R_p$	Flow resistance factor X (manifold) to delivery point
S	Monetary value of gas per unit volume
t	Time
$V_\alpha$	Field Alpha Shared discounted present value
$V_\alpha'$	Field Alpha Stand-Alone discounted present value
$V_\beta''$	Field Bravo allocated allocated discount value
$V_{Tran}$	Discounted present value of transferred gas
Y	Repayment factor
Z	Gas compressibility
$\lambda_1$	System parameter defined in (41)
$\lambda_2$	System parameter defined in (42)
$\tau_0$	Repayment completion time
$\tau_{COP}$	COP time

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