

DWU #6 Material Balance Calculations

Data		Calculations	
P*1 =	4,306 psi	(P/Z)3-(P/Z)1 =	(4,961) psi
Z1 =	0.868		
(P/Z)1 =	4,961 psi	(P/Z)2 - (P/Z)1 =	(427) MMCF
		G2-G1 =	600 MMCF
P*2 =	3,604 psi		
Z2 =	0.795	(P/Z)2 - (P/Z)1/(G2 - G1) =	(0.713) psi/MMCF
(P/Z)2 =	4,533 psi		
		O&GP =	(4,961)/(0.713) + 98 MMCF
			7,057 MMCF
(P/Z)3 =	0 psi		
		Ult. Recovery =	Limit at 1,000 psi
		z @ 1,000 psi =	0.827
Prod to 1st Test	G1 = 98 MMCF	P/Z @ 1,000 psi abandonment P =	1,209
Prod to 2nd Test	G2 = 698 MMCF		
Test Duration (hrs)	72		
Test Dates	5/11 - 5/14/96 9/6 - 9/12/96	Ult. Recovery =	5,360 MMCF