

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Williams Production Company				Lease of Unit No. NOV 2001 RECEIVED OIL CON. DIV. DIST. 3			
Test Type X Initial Annual Special			Test Date 10/19/2001				
Completion Date 10/10/2001		Total Depth 7989'		Plug Back TD 7967'		Elevation 6320'	
Casing Size 5 1/2"		Weight 17#		Set At 7989'		Perforations: 5093' - 5596'	
Tubing Size 2 1/16"		Weight 3.25#		Set At 5753'		Perforations: 5627' - 5762'	
Type Well - Single-Bradenhead-GG or GO Multiple				Packer Set At		Formation MV	
Producing Thru Tubing		Reservoir Temp. oF		Mean Annual Temp. oF		Barometer Pressure - Pa	
Connection		L		H		Gq	
Meter Run		Taps		Prover 3/4"		Taps	

FLOW DATA				TUBING DATA				CASING DATA	
NO	Prover Line Size	X Orifice Size	Pressure p.s.i.q	Temperature oF	Pressure p.s.i.q	Temperature oF	Pressure p.s.i.q	Temperature oF	Duration of Flow
SI		2" X 3/4"			950	47	1810		0
1					275	58	1830		0.5 hr
2					275	61	1830		1.0 hr
3					275	64	1830		1.5 hrs
4					275	65	1835		2.0 hrs
5					265	68	1840		3.0 hrs

RATE OF FLOW CALCULATION									
NO	Coefficient (24 Hours)				hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fg	Super Compress. Factor, Fpv
1	9.604					277	0.9924	1.29	1.029
2									
3									
4									
NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ration				Mcf/bbl.
1					A.P.I Gravity of Liquid Hydrocarbons _____				Deq.
2					Specific Gravity Separator _____				XXXXXX
3					Specific Gravity Flowing Fluid xxxxxxxxxx				
4					Critical Pressure _____ p.s.i.a.				____ p.s.i.a.
5					Critical Temperature _____ R				____ R

Pc	1822	Pc2	3319684	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		1852	3429904	-110220
2				
3				
4				
(1) $Pc2 = -30.118708$ (2) $Pc2^n = \#NUM!$				
Pc2-Pw2 Pc2-Pw2				
AOF = Q $Pc2^n = \#NUM!$				
Pc2 - Pw2				
Absolute Open Flow #NUM!		Mcf @ 15.025		Angle of Slope _____
				Slope, n 0.75

Remarks:			
Approved By Commission:	Conducted By: Larry Higgins	Calculated By: Tracy Ross	Checked By: