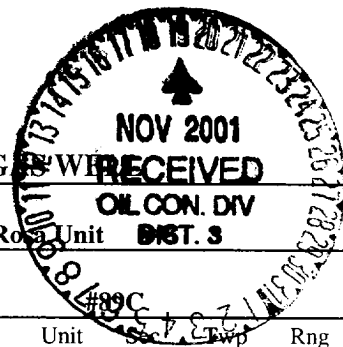


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS



Operator Williams Production Company				Lease or Unit Name Williams Production Company			
Test Type X Initial Annual Special			Test Date 10/15/2001		Well Number		
Completion Date 10/5/2001		Total Depth 6380'		Plug Back TD 6355'		Elevation 6426'	
Casing Size 4 1/2"		Weight 10.5#		Set At 6380'		Perforations: 5050' - 5928'	
Tubing Size 2-3/8"		Weight 4.7#		Set At 6261'		Perforations: 5959' - 6240'	
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	
0.6		%CO2		%N2		%H2S	
Prover 3/4"		Meter Run		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"			825	73	1090		0		
1					205	61	1055		0.5 hr		
2					270	63	1035		1.0 hr		
3					270	64	1020		1.5 hrs		
4					265	65	1010		2.0 hrs		
5					260	66	990		3.0 hrs		

RATE OF FLOW CALCULATION							
NO	Coefficient (24 Hours)	hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fq	Super Compress. Factor, Fpv	Rate of Flow Q,Mcfd
1	9.604		272	0.9943	1.29	1.03	3451
2							
3							
4							

NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ration				Mcf/bbl.
1					A.P.I Gravity of Liquid Hydrocabrons _____				Deq.
2					Specific Gravity Separator _____				XXXXXXX
3					Specific Gravity Flowing Fluid xxxxxxxxxx				
4					Critical Pressure _____ p.s.i.a.				_____ p.s.i.a
5					Critical Temperature _____ R				_____ R

Pc	1102	Pc2	1214404							
NO	Pt1	Pw	Pw2	Pc2-Pw2	(1)	$\frac{Pc2}{Pc2-Pw2} =$	<u>5.7718821</u>	(2)	$\frac{Pc2^n}{Pc2-Pw2} =$	<u>3.7238149</u>
1		1002	1004004	210400	AOF = Q	$\frac{Pc2^n}{Pc2 - Pw2} =$	<u>12851</u>			
2										
3										
4										

Absolute Open Flow	12851	Mcf @ 15.025	Angle of Slope	Slope, n	0.75
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Remarks:			
Approved By Commission:	Conducted By: Larry Higgins	Calculated By: Tracy Ross	Checked By: